

4TH INTERNATIONAL CLIMATE CHANGE ADAPTATION CONFERENCE
ROTTERDAM THE NETHERLANDS 10 – 13 MAY 2016



ADAPTATION FUTURES 2016

practices and solutions



PRELIMINARY PROGRAMME



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MONDAY 9 MAY	TUESDAY 10 MAY	WEDNESDAY 11 MAY	THURSDAY 12 MAY	FRIDAY 13 MAY
	PLENARY OPENING AND SESSIONS	PLENARY AND SESSIONS	SESSIONS AND PLENARY CLOSURE	FIELD TRIPS
START REGISTRATION	BUSINESS FAIR: STANDS, MATCHMAKING AND SIGNING CEREMONIES			
ADAPTATION FUTURES 2016 practices and solutions	EXHIBITION, PROJECTS AND POSTERS			
	CONFERENCE DINNER			

The programme of the conference offers a variety of plenary and parallel sessions, round tables, field trips, exhibition, side events and back-to-back meetings.

The conference Adaptation Futures 2016 lasts for four days; three days of plenary and parallel sessions and one day of field trips.

- Each day a plenary session
- High level round tables
- Parallel sessions: practice sessions, science sessions, science practice sessions
- Field trips
- Project exhibition
- Business fair
- The possibility to organise back-to-back meetings

To maximise the impact of the conference, seven themes and three cross cutting issues have been identified that reflect the prominent subjects in climate adaptation of today and the coming decade.



PL PL plenaries

RT RT round tables

SC science sessions

PR practice sessions

SP science-practice sessions

THEMES

1. Cities and infrastructure
2. Food, forestry and rural livelihoods
3. Fresh water availability and access
4. Public health
5. Ecosystems and ecosystem based adaptation
6. Disaster risk reduction
7. The Arctic

CROSS-CUTTING ISSUES

8. Risk assessment, adaptation planning and evaluation
9. Institutions and governance
10. Finance, investment and business

MONDAY 9 MAY 2016

17.00 – 19.00 Welcome reception
and start registration

TUESDAY 10 MAY 2016

08.00 – 19.00 Registration
09.00 – 19.00 Adaptation Expo
09.30 – 10.40 Plenary
10.40 – 11.15 Break
11.15 – 12.15 Plenary
12.15 – 13.30 Lunch
13.30 – 15.15 Sessions
15.15 – 15.45 Break
15.45 – 17.30 Sessions
17.30 – 19.00 Reception and poster session



Plenary
09.30 – 12.15
Rotterdam Hall

Moderator Vivienne Parry, United Kingdom

Speakers Melanie Schultz van Haegen, Minister of Infrastructure and the Environment, the Netherlands
 Robert-Jan Smits, Director-General for Research and Innovation, European Commission
 Ibrahim Thiaw, Deputy Executive Director, United Nations Environment Programme
 Christiana Figueres, Executive Secretary of the United Nations Framework Convention on Climate Change
 Roger Pulwarty, National Oceanic and Atmospheric Administration, USA

Panel Debra Roberts, eThekweni Municipality, Durban, South Africa, and IPCC Working Group II
 John Firth, Acclimatise, United Kingdom
 Christiana Figueres, Executive Secretary of the United Nations Framework Convention on Climate Change
 Roger Pulwarty, National Oceanic and Atmospheric Administration, USA
 Mark Watts, Executive Director of the C40 Cities Climate Leadership Group, USA

Short film by Kadir van Lohuizen, the Netherlands

12.15 – 13.30 **Lunch**



Round Table
13.30 – 15.15
Town Hall

RT 1 **Delta Coalition: urbanising deltas in the frontline of climate change**

Within the UN-Habitat framework, consequences and challenges stemming from urbanisation and urbanising deltas require special attention. Delta cities face tensions because of socio-economic- and environmental dynamics. In 2050, 75% of the world population will live in cities; more than 70% of this urban population will live in delta- and coastal cities. The delta coalition – which exists of 12 delta countries – will have its first ministerial meeting to present key messages on urbanising deltas for the new global urban agenda. The conclusions of this ministerial meeting will be presented to the public in this Round Table.

Organised by Maurice van Beers, Ministry of Foreign Affairs and Infrastructure and Environment, the Netherlands
Partners Delta Coalition: the governments of Bangladesh, Myanmar, Japan, Indonesia, Vietnam, France, Egypt, Mozambique, Philippines, South Korea and Colombia
Chair Tbd
Rapporteur Tbd

Presentations

- Urbanising deltas in the frontline of climate change (tbd)
- An integrated delta approach as the way forward (tbd)
- A coalition of delta countries (tbd)



THEME 1 • Cities and infrastructure

13.30 – 15.15

Goudriaan Room II

SC 1.1

Critical infrastructure

Chair
Rapporteur

Chris Zevenbergen, UNESCO-IHE/Delft University of Technology, the Netherlands
Alexander Stubbings, International Centre for Climate Change and Development (ICCCAD), United Kingdom

Presentations

The relevance of cascading effects for adapting critical infrastructures to climate change
Markus Groth, Climate Service Center Germany (GERICS), Germany
Adapting long-lived infrastructure to uncertain climate change
Klaus Eisenack, Carl von Ossietzky University Oldenburg, Germany
The impacts of global and regional change on the resilience of critical infrastructures
Joern Birkmann, University of Stuttgart, Germany
Simulated adaptation in storm water systems: evaluating the efficiency of adaptation pathways
Adam McCurdy, University of Colorado, USA
A Pan-European framework for strengthening critical infrastructure resilience to climate change
Thanasis Sfetsos, National Center for Scientific Research Demokritos, Greece



Theme 3. Fresh water availability and access

13.30 – 15.15

Leeuwen Room II

SC 3.1

Fresh water availability under drought conditions as a potential driver for water conflicts

Chairs
Rapporteur

Nigel Arnell, University of Reading, United Kingdom
Roland Schulze, University of KwaZulu-Natal, South Africa
Carolien Caspers, Radboud University, the Netherlands

Presentations

Water security and climate change: an evolving research agenda
Declan Conway, London School of Economics, United Kingdom
Regional headwater governance in Himalaya for water security in South Asia under climate change
Prakash Chandra, Tiwari Kumaun University, India
Hotspots of climate change-enhanced conflict risks
Karen Meijer, Deltares, the Netherlands

Climate change foreseeing to avoid conflict in the transposition of the Sao Francisco River, Brazil
Norma Angelica Hernandez-Bernal, independent, Mexico
Using a novel climate – water conflict vulnerability index to capture double exposures in Lake Chad
Uche Okpara, University of Leeds, United Kingdom



Theme 6. Disaster risk reduction

13.30 – 15.15

Diamond Room II

SC 6.1

Measuring and enhancing resilience

Chair
Rapporteur

Tbd
Joris Baars, Wageningen UR, the Netherlands

Presentations

Measuring resilience – Strengths, gaps and future directions
Aditya Bahadur, Overseas Development Institute (ODI), United Kingdom
Capacity building for disaster risk management
Zoe Scott, University of East Anglia, United Kingdom
The influence of livelihood assets to resilience household in flooding condition at rural Indonesia
Fatimah Azzahra, Bogor Agricultural University, Indonesia
Understanding adaptation and resilience in the national disaster resilience competition in the USA
Jesse Keenan, Columbia University, USA
Improving the business case for resilience
Emily Wilkinson, Climate and Environment Programme, Overseas Development Institute (ODI), United Kingdom



Theme 7. The Arctic

13.30 – 15.15

Van Walsum Room

SC 7.1

Scenarios, governance and adaptation in the Arctic

Chair
Rapporteur

Marcus Carson, Stockholm Environment Institute (SEI), Sweden
Tbd

Presentations

Barents region futures under different global socio-economic scenarios
Bob van Oort, Center for Climate and Environmental Research Oslo (CICERO), Norway

The construction of socioeconomic scenarios to guide adaptation in the Eurasian Arctic
Karoliina Pilli-Sihvola, Finnish Meteorological Institute, Finland

Offshore is onshore
Rasmus Dahlberg, Copenhagen Center for Disaster Research, Denmark



Issue 8. Risk assessment, adaptation planning and evaluation

13.30 – 15.15

Antwerp Room

SC 8.4

Indicators and modelling of impacts and adaptation

Chair
Rapporteur

Paula Harrison, University of Oxford, United Kingdom

Presentations

Key findings from the fourth generation of European-wide climate change impact assessments

Hans-Martin Füssel, European Environment Agency (EEA), Denmark

How do models treat climate change adaptation?

Ian Holman, Cranfield University, United Kingdom

Behavioural models for climate change adaptation in land-based sectors

Calum Brown, University of Edinburgh, United Kingdom

Role-playing games in validating agricultural land-use adaptation decisions in an agent-based model

Amadou Mahamadou Laouali, Regional Centre AGRHYMET, Niger

Protected areas resilient to climate change

Elise Belle, United Nations Environment Programme, World Conservation Monitoring Centre (UNEP-WCMC), United Kingdom



Issue 8. Risk assessment, adaptation planning and evaluation

13.30 – 15.15

Antwerp Room

SC 8.12

Adaptation guidance

Chair
Rapporteur

Rob Swart, Wageningen UR, the Netherlands
Tbd

Presentations

Advances in guidance standards for adaptation planning

Mark Stafford Smith, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia

Demand vs. supply of adaptation support in Nepal: what factors drive to the sustainability?

Dipak Bishwokarma, Multi-Stakeholder Forestry Programme, Nepal

Base: adaptation in Europe from a bottom-up and top-down perspective

Hans Sanderson, Aarhus University, Denmark

Redundancy, an urban design tool to measure passive survivability: Caribbean experience

Tapan Kumar Dhar, University of Waterloo, Canada

Tef production in Ethiopia: when what we like is more important than what works

Tesfaye Shiferaw Sida, International Maize and Wheat Improvement Center-CIMMYT, Ethiopia



Issue 9. Institutions and governance

13.30 – 15.15

Oscar Auditorium

SC 9.5

Implementation challenges of climate adaptation

Chair
Rapporteur

Tiago Capela Lourenço, Lisbon University, Portugal

Olaf Meynecke, Griffith University, Australia

Presentations

Climate change adaptation: Implementation barriers and enablers across Europe
Olivia Rendon, University of Leeds, United Kingdom

Benchmarking government adaptation progress: identifying barriers and enablers

Christopher Lee, NSW Office of Environment and Heritage, Australia

Implementing climate change adaptation policies: problems of fit and response strategies

Marco Pütz, Swiss Federal Research Institute WSL, Switzerland

Governance of social dilemma in adaptation

Jochen Hinkel, Global Climate Forum, Germany

Protecting coastal agriculture in regional Australia by uncovering limits to adaptive capacity

Shyamalee Gunaseakra, Central Queensland University, Australia (and Ministry of Public Administration and Management, Sri Lanka)



Issue 10. Finance, investment and business

13.30 – 15.15

Leeuwen Room I

SC 10.3 Options and opportunities for the loss and damage mechanism: understanding the roles of risk management, finance and climate justice

COP 21 in Paris gave formal recognition to the Warsaw Loss and Damage Mechanism (WIM) and established the WIM as a separate field of negotiation in addition, not under adaptation. There is currently very little understanding of the role and potential of the WIM. This session aims to advance debate in science and policy by presenting state-of-the-art research on extreme events attribution and loss projections; the framing of loss and damage; the potential of climate risk management; and innovative options in negotiations.

Organised by Reinhard Mechler, Thomas Schinko, International Institute for Applied Systems Analysis (IIASA) / Vienna University of Economics and Business/ University of Graz, Austria
Laurens Bouwer, Deltares, the Netherlands
Swenja Surminski, London School of Economics (LSE), United Kingdom
Rachel James, University of Oxford, United Kingdom

Chair Reinhard Mechler, International Institute for Applied Systems Analysis (IIASA), Austria

Rapporteur Thomas Schinko, Austria International Institute for Applied Systems Analysis (IIASA), Austria

Presentations

Trends and projections of weather impacts: attribution relevant to the Loss & Damage Mechanism
Laurens Bouwer, Deltares, the Netherlands

Perceptions of loss and damage from a range of stakeholders: implications for science and policy
Rachel James, University of Oxford, United Kingdom

A (physical) science perspective of the risk of Loss and Damage: implications for decision making
Swenja Surminski, Ana Lopez, London School of Economics (LSE), United Kingdom

A climate risk management approach for the Warsaw Loss & Damage Mechanism
Reinhard Mechler, Thomas Schinko, International Institute for Applied Systems Analysis (IIASA) / Vienna University of Economics and Business/ University of Graz, Austria

Discussion: Innovative perspectives on Loss and Damage



Issue 8. Risk assessment, adaptation planning and evaluation

13.30 – 15.15

Tokyo Room

PR 8.1 Adaptation to climate change in the IJsselmeer region: creating the future by addressing the past

After the large flooding of the Zuiderzee region in 1916, the Afsluitdijk was constructed in 1932 as a safety measure. In the following decades, fertile land could be reclaimed, offering many economic opportunities. The now called IJsselmeer region is of great value to the Netherlands in terms of its natural environment and cultural history. However, new challenges related to water management issues and the need to balance social, economic and ecological interests, require an adaptive and integrative response. This will be the focus of the session. Facilitated by reflections on international cases, the audience will be challenged to join the discussion.

Organised by Flos Fleischer, Foundation 'Het Blauwe Hart', the Netherlands
Pieter den Besten, Ministry of Infrastructure and the Environment, the Netherlands

Partners Rebuild by Design, USA

Chair Dutch Society for Nature Conservation, the Netherlands
Henk Ovink, Special Envoy for International Water Affairs for the Kingdom of the Netherlands

Rapporteur Flos Fleischer, Foundation 'Het Blauwe Hart', the Netherlands

Presentations

Film presentation and short introductions on the challenges in the IJsselmeer region:
Peter Heij, Ministry of Infrastructure and the Environment, the Netherlands
Marc van den Tweel, Dutch Society for Nature Conservation, the Netherlands
Leen Verbeek, Metropolitan Delta Association, the Netherlands
Ingwer de Boer, special advisor of Ministry of Infrastructure and the Environment, the Netherlands

Reflection based on experiences of the Rebuild by Design programme (New York, USA)
Amy Chester, Managing Director Rebuild by Design, USA

Lake Taihu (China): balancing ecology and economy
Zhu Wei, Deputy Director General of Taihu Basin Authorities, China



Issue 8. Risk assessment, adaptation planning and evaluation
13.30 – 15.15
Beurs Lounge

PR 8.7 Country experiences in mainstreaming climate resilience into development planning: lesson learned from the Pilot Program for Climate Resilience (PPCR)

Because project-based activities alone have limited potential to affect national or sector-wide transformations, many countries are now adopting a programmatic approach that links strategic planning with investment to advance their adaptation agendas. In this session, three countries will share lessons on what has worked and what has not – and what would they do differently – as they work to mainstream resilience into development planning and investment. The presenters will clearly articulate how a programmatic approach has helped them shape investment plans and priorities across key economic sectors and with the participation of diverse stakeholder groups. Participants will interact through Q&A.

Organised by	Rachel Allen, Shaanti Kapila, Focal Point, Saint Lucia
Partners	Climate Investment Funds Administrative Unit (World Bank Group), USA Governments of St. Lucia, Zambia and Tajikistan
Chair	Rachel Allen, Pilot Program for Climate Resilience (PPCR), Climate Investment Funds, USA
Rapporteur	Shaanti Kapila, Climate Investment Funds (CIF), USA
Presentations	Lessons in mainstreaming climate resilience from: Tajikistan Jamshed Hasanov, PPCR Secretariat Zambia Jean Mukumwa, Interim Climate Change Secretariat, Ministry of Finance St. Lucia Crispin D'Auvergne, Chief Sustainable Development & Environment Officer, Government of St. Lucia Lessons learned from the PPCR portfolio Kanta Kumari Rigaud, The World Bank



Issue 9. Institutions and governance
13.30 – 15.15
Diamond Room I

PR 9.2 Direct access to adaptation funding: five years of experience by pioneering organisations

Being first of three international funds to allow 'direct access' to its resources, the Adaptation Fund enables countries to have their agencies directly manage funds for adaptation projects, which helps them break free from reliance on international organisations. Twenty countries have successfully done so. In this panel session, the Fund and four national implementing entities will share their experiences in direct access, discuss the challenges they encountered in pioneering this ground-breaking modality, and chart out possibilities for the future. The speakers will also discuss what this experience can offer to the new scaled up adaptation resources expected to become available.

Organised by	Mikko Ollikainen, Adaptation Fund Board Secretariat, USA
Partners	Centre de Suivi Ecologique, Senegal Micronesia Conservation Trust, Federated States of Micronesia South African National Biodiversity Institute, South Africa
Chair	Mikko Ollikainen, Adaptation Fund Board Secretariat, Finland / USA
Rapporteur	Daouda Ndiaye, Adaptation Fund Board Secretariat, Senegal / USA
Presentations	The Adaptation Fund experience: what we have learned Daouda Ndiaye, Adaptation Fund Board Secretariat, Senegal / USA Getting ready for direct access: how experiences from the first National Implementing Entity (NIE) and the first direct access project can help other developing countries Dethie Soumare Ndiaye, Centre de Suivi Ecologique, Senegal Direct access as a learning exercise: developing pilot initiatives in different states and sectors Sachin Kamble, National Bank for Agriculture and Rural Development, India (tbc) Experiences from a small island developing state: how to use small country organisations to access funds directly Lisa Andon, Micronesia Conservation Trust, Federated States of Micronesia Experiences from the first 'enhanced direct access' programme, small grants facility for climate change adaptation completely managed at the country level Mandy Barnett, South African National Biodiversity Institute, South Africa



Theme 1. Cities and infrastructure

13.30 – 15.15

Van Oldenbarnevelt Room

SP 1.1 Mainstreaming adaptation

The ultimate goal of mainstreaming is to make sure that adaptation becomes fully incorporated in urban development. This requires sufficient knowledge and tools, and incorporation of adaptation objectives into masterplans, building codes etc., but also in (municipal) budgets. This session will offer a wide variety of approaches to mainstreaming climate change adaptation into people, plans, procedures and projects. Five cities will present their methods, achievements, struggles and lessons learned. The governance scientists will reflect and advise on the cases. The audience is invited to jump in with their experiences, recommendations and questions. Based on these recommendations, the five cities and the audience will be able to take mainstreaming to the next level.

Organised by Chantal Oudkerk Pool, City of Rotterdam, the Netherlands

Mzukisi ka-Gwata, City of Johannesburg, South Africa

Partners New York City, USA

C40 Climate Leadership Group, USA

Moderator Mandy Ikert, C40 Climate Leadership Group, USA

Rapporteur Valerie Brown, City of Rotterdam, the Netherlands

Presentations Mainstreaming the Rotterdam Adaptation Strategy: maximising piggybacking

Chantal Oudkerk Pool, City of Rotterdam, the Netherlands

Mainstreaming CCA in Johannesburg's Integrated Development plan: ensuring funding

Mzukisi ka-Gwata, City of Johannesburg, South Africa

Washington DC Silver Jackets

Phetmano Phannavong, Washington DC, USA

Ho Chi Minh City: mainstreaming into district planning

Ha Minh Chau, Ho Chi Minh City, Vietnam

New York City Climate Change Adaptation Task Force

Katherine Greig, New York City Mayor's Office of Recovery and Resilience, USA

Reflections Katrien Termeer, Wageningen UR, the Netherlands

Arwin van Buuren, Erasmus University Rotterdam, the Netherlands



Theme 2. Food, forestry and rural livelihoods

13.30 – 15.15

Goudriaan Room I

SP 2.2 From islands of innovation to a sea of change: how can we sustainably build resilient livelihoods and food security in the Sahel at scale

Community livelihoods and food security in the Sahel are heavily reliant on natural resources and especially wetlands. Climate change and large scale development investments in hydropower and irrigation mean that water insecurity looks set to increase, negatively impacting water reliant ecosystems and consequently community resilience. Rural communities will need to adapt and fast. There is a lot of innovation in this field but bringing this to scale and achieving real impact remain difficult. This session will explore the challenges and the roles and actions that government and the wider development community can undertake to help overcome them.

Organised by Chris Baker, Wetlands International

Partners Research Programme on Climate Change, Agricultural and Food Security (CGIAR), France

Partners for Resilience (Wetlands International; Netherlands Red Cross; Red Cross Red Crescent Climate Centre; Cordaid), the Netherlands

Chair Alain Vidal, Research Programme on Climate Change, Agricultural and Food Security (CGIAR), France

Rapporteur Frank van Weert, Wetlands International

Presentations Climatic and environmental change scenarios across the Sahel

Chris Baker, Wetlands International

Case studies

Community-based innovations for food security in the Sahel

John van der Walle, CARE, the Netherlands

Decision support for rural communities in the Inner Niger Delta: the OPIDIN tool

Eddy Wymenga, Altenburg and Wymenga, the Netherlands

BioRights: an innovative financial tool for increasing community resilience

Ibrahima Sadio Fofana, Wetlands International

Farming for the future, communication efforts to advance family farming in Mali

Francois Laureys, ICT4D information and communication technologies for development, the Netherlands

Panel Discussion 1

Innovations for Sahelian rural community resilience and food security based on successful innovation case studies

John van der Walle, CARE, the Netherlands

Eddy Wymenga, Altenburg and Wymenga, the Netherlands
 Ibrahima Sadio Fofana, Wetlands International
 Francois Laureys, IICD, the Netherlands

Panel Discussion 2

Bringing innovation to scale overcoming challenges and capitalising on opportunities
 Sasha Alexander, advisor to UNCCD, Germany
 Pieter Terpstra, Ministry of Foreign Affairs, the Netherlands
 Caroline Figueres, Netherlands Water Partnership, the Netherlands



Theme 6. Disaster risk reduction

13.30 – 15.15

Penn Room I

SP 6.1 Enhancing adaptation to changing extremes: showcasing standard operating procedures for forecast-based action from three continents

Given increasing extremes with climate change, this session will convene a dialogue between scientists and practitioners on adaptation to reduce the impact of extreme events. Four pilot projects in Africa, Latin America, and Asia have successfully established triggers for risk-reducing actions using weather forecasts in advance of an actual disaster. In an interactive 'marketplace' format, project teams from the pilots will showcase learnings and instigate debate between participants on the concept of a 'forecast-based financing system'. Offering the experiences from these pilots, we invite participants, both scientists and practitioners, to discuss the challenges of receiving, translating and taking action from forecasts.

- Organised by** Erin Coughlan De Perez, Red Cross/Red Crescent Climate Centre, the Netherlands
 Elisabeth Stephens, Department of Geography and Environmental Science, University of Reading, United Kingdom
 Andrew Kruczkiewicz, International Research Institute for Climate and Society, USA
- Partners** Red Cross (Peru, Mozambique, Uganda, Germany)
 Bangladesh Red Crescent
 Institute for Environmental Studies, VU University Amsterdam
- Chair** Erin Coughlan De Perez, Red Cross Red Crescent Climate Centre, the Netherlands
- Rapporteur** Andrew Kruczkiewicz, International Research Institute for Climate and Society, USA
- Presentations** Hydrological advances: the application of global models in data-scarce regions of Uganda
 Elisabeth Stephens, University of Reading, United Kingdom
 El Nino: triggering forecast-based action at several months' lead time in Peru
 Juan Bazo, Red Cross Red Crescent Climate Centre, Peru

Storm Watch: innovative actions for extensive cyclone preparedness In Mozambique
 Flavio Monjane, Mozambique Red Cross, Mozambique
 Risk modelling: tying forecasted flood levels with actual impact
 Ahmadul Hassan, Red Cross Red Crescent Climate Centre, Bangladesh



Theme 6. Disaster risk reduction

13.30 – 15.15

Penn Room II

SP 6.3 How to promote adaptation towards resilient flood risk governance in Europe? Key recommendations from STAR-FLOOD in a practitioners' perspective

The need for good governance to deal with increasing flood risks is becoming ever more apparent. In this session we will present conclusions and recommendations, as well as good practices drawn from the rich empirical data generated in STAR-FLOOD (www.starflood.eu). Examples are the Belgian Water test and River contracts (promoting collaboration between sectors and across boundaries), Polish crisis management (enabling dealing with floods), English insurance system (stimulating awareness and enabling recovery) and Dutch Delta programme (promoting learning and change). Then, all participants will engage in an interactive world café discussion, in which they are invited to bring in their own good practices.

- Organised by** Tom Raadgever, Grontmij Nederland (part of Sweco), the Netherlands
 Dries Hegger, Peter Driessen, Utrecht University, the Netherlands
 Mark Wiering, Radboud University, the Netherlands
 Ann Crabbé, University of Antwerp, Belgium
- Partners** Organisation for Economic Cooperation and Development (OECD), Public Governance and Territorial Development Directorate, France
 Water Governance Centre, the Netherlands
- Chair** Enrico Moens, Grontmij Nederland (part of Sweco), the Netherlands
- Rapporteur** Dries Hegger, Utrecht University, the Netherlands
- Presentations** Key findings from the STAR-FLOOD project about flood risk governance in Europe
 Marleen van Rijswijk, Utrecht University, the Netherlands
 The STAR-FLOOD Practitioner's Guidebook: a strategic guide towards more resilient and appropriate flood risk management and governance
 Tom Raadgever, Grontmij Nederland, the Netherlands



Issue 8. Risk assessment, adaptation planning and evaluation

13.30 – 15.15

Zaal Staal

SP 8.1 Community based adaptation: lessons, challenges and pathways

The main objective of the session is to share information on emerging lessons from the growing community of practice on Community Based Adaptation (CBA) to climate change from Asia and Africa. The lessons are mostly based on the outcomes of the 9th international conference on CBA held in Kenya in April 2015 where over four hundred practitioners of CBA from ninety countries met to share their experiential knowledge on practicing CBA. Three presentations from Bangladesh, Kenya and Mali are expected to highlight the current progresses, challenges and pathways of CBA. The interactive discussions will also emphasize how CBA can meaningfully interact with Sustainable Development Goals (SDGs) and Paris CoP outcomes.

Organised by	Nazmul Huq, International Centre for Climate Change Adaptation and Development (ICCCAD), Bangladesh
Partner	International Institute for Environment and Development (IIED), United Kingdom
Chair	Saleemul Huq, International Centre for Climate Change Development, Bangladesh / International Institute for Environment and Development (IIED), United Kingdom
Rapporteur	Helena Wright, International Institute for Environment and Development (IIED), United Kingdom
Presentations	Community based adaptation: learning from Bangladesh Atiq Rahman, Bangladesh Centre for Advanced Studies, Bangladesh
	Community based adaptation: experiences from Kenya Victor Orindi, Climate change advisor to the Arid and Semi-Arid Lands Secretariat, Kenya
	Challenges of community based adaptation: lessons from Mali Birama Diarra, National Directorate of Meteorology, Mali
	Pathways of community based adaptation: learning from Tanzania Euster Kibona, Environmental Protection and Management Service, Tanzania



Issue 8. Risk assessment, adaptation planning and evaluation

13.30 – 15.15

New York Room

SP 8.4 Droughts from a social, economic and technical perspective

Water management in arid and semi-arid areas is usually characterized by conflicting uses. The impact of droughts is expected to be exacerbated by climate and global change. In this cabaret session we will discuss the challenges of drought management in different parts of the world taking into account the different water needs from an economic, environmental and social perspective. We aim at providing inputs coming from science-practitioner experiences combining them with science based services and inviting the public to actively participate with their knowledge. We will take advantage of transdisciplinary knowledge creation on droughts and come up with a policy brief and a scientific publication.

Organised by	Maria Manez, Climate Service Center 2.0, Helmholtz Zentrum Geesthacht, Germany Joaquin Andreu, Hydraulic Engineering, Polytechnical University of Valencia, Spain Javier Macian, Aguas de Valencia, Spain
Partners	Institute for Environmental and Water Research Engineering (IIAMA), Spain
Chair	Maria Manez, Climate Service Center 2.0, Helmholtz Zentrum Geesthacht, Germany
Rapporteur	Roger Cremades, Climate Service Center Germany, Germany
Presentations	The arising of bottom-up governance approaches for drought management Maria Manez, Maria Carmona, Joaquin Andreu and Manuel Pulido, GERICS and IIAMA, Germany and Spain
	Lessons from droughts: what work and what did not work in California? Richard Howitt, UC DAVIS, USA
	Integrating conflict analysis and consensus reaching in a decision support system for water resource management Raffaele Giordano, Water Research Institute (IRSA), Italy
	The impacts of droughts in water quality, quantity and microbiological contamination for urban demand Javier Macian, Aguas de Valencia, Spain
	Drought approaches and management in Brasil Erwin Denis, The World Bank



Issue 8. Risk assessment, adaptation planning and evaluation
Tuesday, 13.30-15.15
New Orleans Room

SP 8.9 Exploring the adaptation potential of technologies

Technology transfer and diffusion in adaptation to climate change has proven to be challenging. This session aims to outline the approaches and metrics currently used for assessing and evaluating the impact of technologies for adaptation. It further aims to discuss how to improve measurement of the impacts of these technologies, with the objective of contributing to the dialogue on how to increase investments in development and deployment of technologies for adaptation.

The session consists of three presentations followed by an expert round table discussion how efforts on measuring impacts of adaptation technologies can be improved.

Organised by Sara Traerup, United Nations Environment Programme (UNEP) DTU Partnership, Denmark

Partners Stockholm Environment Institute (SEI), Sweden
 Climate Technology Centre and Network (CTCN), Denmark

Chair Jason Spensley, Climate Technology Centre and Network (CTCN), Denmark

Rapporteur Skylar Bee, United Nations Environment Programme (UNEP) DTU Partnership, Denmark

Presentations

Assessing adaptation technologies, existing and proposed metrics
 Sara Traerup, United Nations Environment Programme (UNEP) DTU Partnership, Denmark

Barriers encountered when assessing technologies and their contribution to vulnerability reduction. Examples from the coastal sector
 Richard Klein, Stockholm Environment Institute (SEI), Germany

Case Study: coastal infrastructure protection using a combination of hard and soft engineering technologies in Mauritius
 Sanju Deenapanray, Ecological Living In Action Ltd, Mauritius



Issue 8. Risk assessment, adaptation planning and evaluation
13.30 – 15.15
Rotterdam Hall

SP 8.13 Adaptive policy pathways planning: sharing techniques, tools and experiences across domains, jurisdictions and institutional settings

This session aims to share a range of experiences in using a pathways approach to adaptation planning to advance the quality and understanding of the concept, possible tools and methods, and practicalities of using the approach in policy-making and planning. The session exists of pitches on experiences and challenges, for example, on tools for exploring and evaluation pathways, institutional settings, scales, and multi-actor situations. Contributions from case studies in New Zealand, Australia, Maldives, Netherlands, Peru, Bangladesh and Indonesia.

Organised by Marjolijn Haasnoot, Deltares / Delft University of Technology, the Netherlands
 Judy Lawrence, Victoria University, New Zealand
 Karyn Bosomworth, RMIT University, Australia

Chair Bert Enserink, Delft University of Technology, the Netherlands

Rapporteurs Sadie McEvoy, Delft University of Technology, Netherlands
 Andrew Warren, Deltares, the Netherlands

Presentations

Jon Barnett, University of Melbourne, Australia
 Sally Brown, University of Southampton, United Kingdom
 Judy Lawrence, Victoria University, New Zealand
 Rob Lempert/Nidhi Kalra, RAND Corporation, USA
 Umme Kulsum, Buet, Bangladesh

15.15 – 15.45 Break



Round Table
15.45 – 17.30
Town Hall

RT 2 Nature based-solutions in cities

More and more cities are using nature-based solutions as part of urban planning. This session explores good examples and lessons learned. Key questions include: what are the mid/long term benefits motivating cities to promote and implement nature based solutions? What concrete examples can be found of effective ways by which cities can quantify the costs and benefits of nature-based solutions and green infrastructure as compared to standard solutions (i.e. grey infrastructure)? How can research and innovation stimulate practice and decision making in cooperation with cities to foster transformation toward sustainability? What are the key priorities?

Organised by Julia Peleikis and Holger Robrecht, ICLEI
Denis Peter and Ugo Guarnacci, European Commission
Christiaan Wallet, Government of The Netherlands

Partners Edyta Wisniewska, Netherlands Water Partnership

Moderators Birgit Georgi, European Environment Agency
Holger Robrecht, ICLEI

Rapporteur Edyta Wisniewska, Netherlands Water Partnership
Niki Frantzeskaki, Erasmus University, Rotterdam, The Netherlands



Theme 2. Food, forestry and rural livelihoods
15.45 – 17.30
New Orleans Room

SC 2.4 Climate change adaptation with mitigation co-benefits in forests and woodlands

Chair
Rapporteur

Cheikh Mbow, World Agroforestry Centre (ICRAF), Kenya
Carolien Caspers, Radboud University, the Netherlands

Presentations

Links between adaptation and climate change mitigation in forests
Rebecca Mant, United Nations Environment Programme, World Conservation Monitoring Centre (UNEP-WCMC), United Kingdom

Development of a prioritization tool of climate change adaptation measures in the forestry sector
Tania Guillen, Climate Service Center, Germany / Nicaragua

Linkages between forests and climate change vulnerability in the complex Himalayan landscape
Anusheema Chakraborty, TERI University, India

Drivers for adaptation planning and action in the forestry sector of New Zealand
Andrew Dunningham, Scion, New Zealand

Faidherbia albida trees buffer impacts of climate change on wheat in semiarid farming systems
Tesfaye Shiferaw Sida, International Maize and Wheat Improvement Center-CIMMYT, Ethiopia



Theme 3. Fresh water availability and access
15.45 – 17.30
Leeuwen Room II

SC 3.2 Fresh water availability and access: guidelines and methodologies

Chairs
Rapporteur

Tong Jiang, National Climate Centre, China
Ainun Nishat, Asian Region IUCN, Bangladesh
Tbd

Presentations

Water sector adaptations for hydraulic fracturing in Texas
Syeda Mariya Absar, University of Tennessee Knoxville, USA

Guidelines to assess sustainable production limits for irrigated agriculture: Letaba basin (SA)

Jeroen Veraart, Wageningen UR, the Netherlands

Establishing a water sharing mechanism at local level in Vietnam

Chuong Huynh Van, Hué University of Agriculture and Forestry, Vietnam

Critical periods for adaptation in Asia; irrigation demand by crop linked to water supply by source

Hester Biemans, Wageningen UR, the Netherlands

BeWater: science and society creating river basin adaptation plans to face climate change

Anabel Sanchez, CREAM, Spain



Theme 4. Public health

15.45 – 17.30

Leeuwen Room I

SC 4.2

Adapting to heat in OECD countries

Chairs

Leendert van Bree, PBL Environmental Assessment Agency / Utrecht University, the Netherlands

Rapporteur

Vladimir Kendrovski, World Health Organization (WHO), Germany

Tbd

Presentations

Public health adaptation to climate change in OECD Countries

Stephanie Austin, McGill University, Canada

Evaluation of information systems relevant to climate change and health

Hans-Guido Mücke, Federal Environment Agency, Germany

Experiences from a communication campaign to foster adaptation to increasing heat extremes

Torsten Grothmann, University of Oldenburg / e-fect, Germany

Changes in the heat-health relationship across the USA, 1975-2010: adaptation and its limits

Scott Sheridan, Kent State Institute, USA

Assessing costs and benefits of heat warning systems at European level: a methodological framework

Aline Chiabai, Basque Centre for Climate Change, Spain



Theme 6. Disaster risk reduction

15.45 – 17.30

Diamond Room II

SC 6.2

Floods: recent experience and long-term planning

Chair

Tbd

Rapporteur

Tbd

Presentations

Extreme events, informal sector vulnerability and private adaptation in coastal megacities of Asia

Archana Patankar, Regional Centre for Urban and Environmental Studies, All India Institute of Local Self Government, India

Hurricane Sandy as a tipping point for climate adaptation and resiliency in New York City

William Solecki, City University of New York - Hunter College, USA

Ho Chi Minh city adaptation to increasing risk of coastal and fluvial flood

Paolo Scussolini, VU University Amsterdam, the Netherlands

Ensemble flood risk assessment and adaptation strategies in Europe at 4°C global warming

Lorenzo Alfieri, Joint Research Centre, Ispra, Italy

European flood insurance market structures: present and future performance, and possible reforms

Paul Hudson, VU University Amsterdam, the Netherlands



Theme 7. The Arctic

15.45 – 17.30

Van Walsum Room

SC 7.2

Understanding adaptation in the Arctic

Chair

James Ford, McGill University, Canada

Rapporteur

Joris Baars, Wageningen UR, the Netherlands

Presentations

Adaptation to climate change in Nunavut: where are we at and where do we go from here?

Jolène Labbé, McGill University, Canada

Vulnerability and adaptive capacity of Inuit women to climate change: a case study from Nunavut

Anna Bunce, McGill University, Canada

How to evaluate climate change adaptation: a pilot study in Arviat, Canada

Melanie Flynn, McGill University, Canada

How's life on Svalbard?

Judith Klostermann, Wageningen UR, the Netherlands



Issue 8. Risk assessment, adaptation planning and evaluation

15.45 – 17.30

Beurs Lounge

SC 8.5

Stakeholder needs and adaptation

Chair
Rapporteur

Saskia Werners, Wageningen UR, the Netherlands
Tbd

Presentations

Measuring adaptive capacity among local organisations: a case study in South Africa
Marie-Ange Baudoin, University of Cape Town, South Africa

Learning from stakeholder needs and enabling adaptive capacity: a synthesis from the US West
Lisa Dilling, University of Colorado, USA

Multi-level perspective for adaptation in Cascais
Filipe Alves, CCIAM-FCUL/UL, Portugal

Decision maker preferences for adaptation actions and funding: case studies in Brazil, USA and United Kingdom
Catherine Reynolds, University of South Florida, USA

Are we adapting to climate change? The case of Chile, barriers and enablers
Paulina Aldunce, University of Chile, Chile



Issue 8. Risk assessment, adaptation planning and evaluation

15.45 – 17.30

Van Oldenbarnevelt Room

SC 8.6

Participatory processes and co-production of adaptation knowledge

Chair
Rapporteur

Sebastian Vicuña, Pontificia Universidad Catolica de Chile, Chile
Tbd

Presentations

Critical reflections on a co-production science-policy process: a case study from Malawi
Katharine Vincent Kulima, Integrated Development Solutions (Pty) Ltd, South Africa

The co-production of climate-change adaptation indicators at a basin scale: Maipo basin in Chile
Sebastian Vicuna, Pontificia Universidad Catolica de Chile, Chile

Enhancing the use of indigenous knowledge on climate change mitigation and adaptation in Nigeria
Anthony Akpan, Pan African Vision for the Environment (PAVE), Nigeria

Comparing robust decision making approaches for long-term water resources in Southern India

Ajay Bhawe, Grantham Research Institute on Climate Change and the Environment, United Kingdom

Adaptation planning combining participation with novel visualisation and decision support tools

Michiel Blind, Deltares, the Netherlands



Issue 8. Risk assessment, adaptation planning and evaluation

15.45 – 17.30

Mees Auditorium

SC 8.10

Adaptation in coastal systems

Chair
Rapporteur

Felix Olorunfemi, Institute of Social and Economic Research, Nigeria
Tbd

Presentations

Designing adaptation to sea-level rise: where to protect and where to retreat?
Daniel Lincke, Global Climate Forum, Germany

An integrated framework to analyse vulnerability and adaptive capacity to sea level rise in Brazil
Luci Nunes, University of Campinas, Brazil

Storm surge inundation risk analysis for coastal electricity generation facilities
Benjamin Preston, Oak Ridge National Laboratory, USA

Spatially-explicit coastal flood impact scenarios for sea-level rise adaptation
Jackie Z.K. Yip, University of British Columbia, Canada

Timing of adaptation to high end sea level rise: when to start?
Sally Brown, University of Southampton, United Kingdom



Issue 9. Institutions and governance

15.45 – 17.30

Oscar Auditorium

SC 9.7

The policy-economic aspects of adaptation responses

Chair
Rapporteur

Mike Brklacich, Carleton University, Canada
Tbd

Presentations

The political economy of climate change induced resettlement
Colette Mortreux, Exeter University, United Kingdom

Private sector involvement in urban adaptation planning: exploring the role of property developers

Sofie Storbjörk, Linköping University, Sweden

Parliamentary actions in South Asia on climate change adaptation: successes and challenges

Mukul Sharma, Climate Parliament/Indian Institute of Mass Communication, India

Development implications of assessing loss and damage in the Philippines

Ana Veronica Gabriel, The Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk Management Foundation Inc., Philippines

Challenges smallholder farmers face in accessing institutional support in rural Ghana
Ruth Quaye, University of Ghana, Ghana



Issue 8. Risk assessment, adaptation planning and evaluation

15.45 – 17.30

Tokyo Room

PR 8.4 Reducing risks and seizing opportunities: lessons from the development and implementation of business adaptation strategies

Business sector engagement on adaptation to climate change is fundamental as there are risks and opportunities to business; on the other hand, companies can bring relevant contributions to the agenda of adaptation to climate change. In order to support business to elaborate adaptation strategies and action plans, the Business for Climate Platform, Brazil, has developed a framework and tool that have been implemented by seven companies. This session aims to explore the common bottlenecks and solutions in this developing process and to debate the lessons learned that could contribute to the advancement of other companies in climate adaptation. After three presentations, the participants will be invited to contribute their experiences on the main challenges faced by business in this agenda.

Organised by	Mariana Nicollelli, Business for Climate Platform, Center for Sustainability Studies of the Business Management School at the Getulio Vargas Foundation - EAESP/FGV, Brazil
Partners	UK Climate Impacts Programme (UKCIP), United Kingdom Ministry of the Environment (MMA), Brazil
Chair	Mariana Nicollelli, Center for Sustainability Studies of the Business Management School at the Getulio Vargas Foundation (EAESP/FGV), Brazil
Rapporteur	Thais Guimarães, Center for Sustainability Studies of the Business Management School at the Getulio Vargas Foundation (EAESP/FGV), Brazil
Presentations	Adaptation to climate change: engaging private sector Patrick Pringle, UK Climate Impacts Programme (UKCIP), United Kingdom

Lessons learned from business adaptation strategies in Brazil: the examples of CCR Group and Braskem

Mariana Nicollelli, Center for Sustainability Studies, Brazil

Connecting business adaptation strategies with the National Adaptation Plan
Pedro Christ, Ministry of the Environment, Brazil (tbc)



Issue 9. Institutions and governance

15.45 – 17.30

Goudriaan Room I

PR 9.8 Territorial development and adaptation to climate change

Since the Lisbon Treaty and the Europe 2020 strategy, there has been much attention for territorial cohesion within the European Union. Through territorial cohesion the European Union wishes to promote a polycentric territorial integration of places where people live.

Adaptation to climate change is a vital challenge in EU territorial development. During this round table, Directors-General of various EU member states and the European Commission will exchange experiences and best practices in the preparation and implementation of their climate adaptation strategies, and explore whether the inclusion of adaptation strategies in the work on the Territorial Agenda could be of added value.

Organised by
Chair
Rapporteur
Panel

Milou van Mourik, Ministry of Infrastructure and the Environment, the Netherlands
Tbd

Milou van Mourik, Ministry of Infrastructure and the Environment, the Netherlands
Peter Heij, Director General for Spatial Development and Water Affairs, Ministry of Infrastructure and the Environment, the Netherlands

Tibor Németh, Director General of Construction Section, Ministry of Transport, Construction and Regional Development, Slovakia

Jiří Buriánek, Secretary-General of the Committee of the Regions



Theme 1. Cities and infrastructure

15.45 – 17.30

Goudriaan Room II

SP 1.3 Adaptation of highway infrastructure to climate change in four Northern European countries – connected with spatial planning and other modalities

Climate change has significant potential effects on transport and infrastructure. This sector is a global leader in adaptation. An example is the International Roads Association Guidance on Climate Adaptation. In this session, Denmark, Germany, the Netherlands and Norway will demonstrate climate change adaptation of roads with examples of projects showing: regional, multimodal and specific aspects. The session will also demonstrate how road infrastructure is linked with environment and spatial adaptation. To engage participants, challenges will be presented by the speakers via a panel discussion, whereby participants can bring in their experience and questions interactively.

Organised by	Kees van Muiswinkel, Ministry of Infrastructure and the Environment, Rijkswaterstaat, the Netherlands
Partners	Danish Road Directorate (Vejdirektorat), Denmark Federal Highway Research Institute (BAST), Germany Norwegian Public Roads Administration (Statens Vegvesen), Norway
Chair	Christian Axelsen, Danish Road Directorate (Vejdirektorat), Denmark
Rapporteur	Gordana Petkovic, Norwegian Public Roads Administration (Statens Vegvesen), Norway
Presentations	Roads as part of complex infrastructure and area use in Norway and the Netherlands Kees van Muiswinkel, Rijkswaterstaat, the Netherlands Joakim Sellevold, Norwegian Public Roads Administration, Norway Adaptation of Road Infrastructure in a multimodal context in Germany Markus Auerbach, Federal Highway Research Institute (BAST), Germany Blue spot risk identification on major Danish roads and implementing results with an interdisciplinary approach Christian Axelsen, Danish Road Directorate (Vejdirektorat), Denmark



Theme 2. Food, forestry and rural livelihoods

15.45 – 17.30

New York Room

SP 2.1 Sowing diversity = harvesting security talented small scale farmers committed researchers working together to develop climate change resilient crops

Sowing Diversity equals Harvesting Security (SD=HS) is a five year programme aiming to forge cooperation between small-scale farmers and research institutes to select and/or breed plant varieties for local climate change adaptation in Africa, Asia and Latin America. The session aims to raise questions on the crucial historic and present role of farmers in improving and adapting crops, and managing crop diversity. The following topics will be discussed: building farmers' crop improvement capacities and strengthening cooperation between public research and farmers towards more resilient local seed systems. We will discuss ways of improving public research relevance for farmers' crop improvement needs and identification of new partners and opportunities for supporting farmers' climate change adaptation strategies through diversity management.

Organised by	Jiska van der Heide, Oxfam Novib, the Netherlands
Partners	Southeast Asia Regional Initiatives for Community Empowerment (SEARICE), Philippines Asociacion para la Naturaleza y el Desarrollo Sostenible (ANDES), Peru Community Technology Development Trust (CTDT), Zimbabwe
Chair	Bert Visser, Wageningen UR, the Netherlands
Rapporteur	Jiska van der Heide, Oxfam Novib, the Netherlands
Presentations	Overall introduction Gigi Manicad, Sowing Diversity equals Harvesting Security, Oxfam Novib, the Netherlands Examples from Zimbabwe on scaling up farmers' biodiversity management Andrew Mushita, Community Technology Development Trust, Zimbabwe A video on cooperation between women farmers and Can Tho University in Vietnam in rice improvement, from Southeast Asia Regional Initiatives for Community Empowerment, Philippines A video on indigenous communities' potato park contributing potato varieties to Svalbard global seed vault Alejandro Argumedo, Asociacion para la Naturaleza y el Desarrollo Sostenible, Peru



Theme 5. Ecosystems and ecosystem based adaptation

15.45 – 17.30

Penn Room I

SP 5.2 Exploring the potential of ecosystem based approaches – Ecosystem based Adaptation (EbA) and Ecosystem based Disaster Risk Reduction (Eco-DRR)

Nature based solutions have been gaining increased relevance as ways to adapt to climate change and decrease the risk of natural hazards. Although sharing similar goals, Ecosystem based adaptation (EbA) and Ecosystem based Disaster Risk Reduction (Eco-DRR) have traditionally been developed separately. Nonetheless, there is an urgent need to increase collaboration between both communities. This session will present the most recent knowledge on EbA and Eco-DRR, combined with good practice case studies. Following three presentations on the integration of nature based solutions, participants will be invited to discuss lessons learned and next steps for science, policy and practice.

Organised by	Mário Pulquério, Tânia Salvaterra, Faculdade de Ciencias da Universidade de Lisboa, Portugal
Partners	Karin Allenbach, Mila Lomarda, UNEP-Grid, Switzerland United Nations University, Institute for Environment and Human Security (UNU-EHS), Germany Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Italy Centre for Economics and Ecosystem Management, Faculty of Forest and Environment, Eberswalde University for Sustainable Development, Germany Writtle College, United Kingdom
Chair	Horst Korn, Federal Agency for Nature Conservation, Germany
Rapporteur	Tania Salvaterra, Faculdade de Ciências da Universidade de Lisboa, Portugal
Presentations	Integrating climate change adaptation and disaster risk reduction through ecosystems: opportunities, co-benefits and unintended side effects Fabrice G. Renaud, UNU-EHS, Germany Marisol Estrella, UNEP, Switzerland Can nature help reduce the impacts of climate change? Jaroslav Mysiak, Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Italy National case studies integrating ecosystem based measures Pierre Ibisch, Centre for Economics and Ecosystem Management, Faculty of Forest and Environment, Eberswalde University for Sustainable Development, Germany Peter Hobson, Writtle College, United Kingdom



Issue 8. Risk assessment, adaptation planning and evaluation

15.45 – 17.30

Zaal Staal

SP 8.5 Developing action plans and assessing costs and benefits for prioritising, programming and financing adaptation in developing countries

While climate finance is increasing, it will fall short of needs. Given this gap, it is important to prioritise adaptation, but this involves several challenges. These can be addressed by using a policy-orientated approach and mainstreaming, considering the timing and phasing of adaptation (iterative approaches), and assessing costs and benefits to help prioritisation and financing. This session presents the latest thinking on action plans and economic assessment. It presents two case studies from less developed countries that have gone from prioritisation to early implementation. An open session is included for other examples, followed by a panel discussion on building networks and capacity.

Organised by	Paul Watkiss, Paul Watkiss Associates/ECONADAPT, United Kingdom
Partners	South South North, South Africa International Development Research Centre (IDRC), Canada
Chair	Paul Watkiss, Paul Watkiss Associates/ECONADAPT, United Kingdom
Rapporteur	Jean-Pierre Roux, South South North, South Africa
Presentations	Using iterative risk management and economics for action planning, prioritisation, appraisal and climate finance Paul Watkiss, Paul Watkiss Associates, United Kingdom Mainstreaming climate adaptation into Rwanda's agriculture sector development plan Anita Wreford, Scotland's Rural College (SRUC), Scotland/New Zealand Ritwika Sen, Ministry of Agriculture and Animal Resources (MINAGRI), Rwanda Stanislas Mushimiyimana, Rwanda Agriculture Board (RAB), Rwanda Developing and financing an adaptation action plan for Zanzibar Federica Cimato, independent, Italy Nassir Tahir Ali, Department of Environment, Revolutionary Government of Zanzibar, United Republic of Tanzania Alistair Hunt, University of Bath, United Kingdom Alina Tepes, Basque Centre for Climate Change (BC3), Spain



Issue 9. Institutions and governance

15.45 – 17.30

Penn Room II

SP 9.3 Towards more informed climate adaptation: considerations of ethics in stakeholder participation and decision-making

Given trajectories of significant and irreversible impacts of climate changes, there is increasing focus on decision-makers and their navigation of risk and uncertainty in adapting to these impacts. Instead, we focus on the role of researchers and the ethical challenges that exist at the interface of adaptation research and decision-making which if not addressed have the potential to increase risk exposure of decision-makers. This session will outline the issues via two case-studies, then intensive structured discussions will aim to identify opportunities to improve participatory research approaches and develop a draft set of principles for ethical climate adaptation akin to those already developed for climate services.

Organised by	Justine Lacey, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia Mark Howden, Australian National University, Australia Bruce Hewitson, University of Cape Town, South Africa
Partners	University of Tasmania, Australia James Hutton Institute, United Kingdom University of Arizona, USA University of the Witwatersrand, South Africa
Chair	Mark Howden, Australian National University, Australia
Rapporteur	Lilly Lim-Camacho, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia Chris Cvitanovic, University of Tasmania, Australia
Presentations	<u>Case Study 1: Ethical challenges from the climate services domain (based on Climate Services Partnerships Ethics Working Group White Paper)</u> Bruce Hewitson, University of Cape Town, South Africa <u>Case Study 2: Ethical challenges from international agricultural adaptation (based on the GEC paper, Informed adaptation: Ethical considerations for adaptation researchers and decision-makers)</u> Justine Lacey, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia



Issue 9. Institutions and governance

15.45 – 17.30

Diamond Room I

SP 9.6 Local climate change adaptation: barriers and enablers for mainstreaming and implementation

Knowledge and experience sharing is crucial for a successful local climate change adaptation. This session summarises bottom-up lessons from three years of information analysis based on 23 European cases. The first presentation sets the context and the common methodological frameworks used. The second provides an overview of economic models and tools used in the cases, while the third presents a number of innovative participatory tools and methods applied. The last presentation provides an overview of the policy implementation across cases. All presentations identify a set of recommendations to policy-makers and practitioners to better govern, monitor and implement with success local adaptation.

Organised by	Filipe Duarte Santos, Centre for Ecology, Evolution and Environmental Change (cE3c), Faculty of Sciences, University of Lisbon (FCUL), Portugal
Partners	Helmholtz Centre for Environmental Research (UFZ), Germany Danish Board of Technology (DBT), Denmark University of Exeter, United Kingdom
Chair	Filipe Duarte Santos, cE3c – Faculty of Sciences, University of Lisbon (FCUL), Portugal
Co-chair	Hans Sanderson, University of Aarhus, Denmark
Rapporteur	Filipe Alves, cE3c – Faculty of Sciences, University of Lisbon (FCUL), Portugal
Presentations	Twenty-three BASE case studies, a common methodological framework and key results Gil Penha-Lopes, Inês Campos, Kiat Ng, University of Lisbon, Portugal Olivia Rendon, University of Leeds, United Kingdom Economic assessments review Oliver Gebhardt, Volker Meyer, Helmholtz Centre for Environmental Research, Germany Filipe Alves, University of Lisbon, Portugal Innovative participatory methodologies review Filipe Alves, André Vizinho, Gil Penha-Lopes, University of Lisbon, Portugal Andreas Clemmensen, Danish Board of Technology, Denmark Implementing adaptation: barriers and enablers across Europe Olivia Rendon, University of Leeds, United Kingdom Oliver Gebhardt, Helmholtz Centre for Environmental Research, Germany



Issue 10. Finance, investment and business

15.45 – 17.30

Antwerp Room

SP 10.2 Liquid assets and adaptation futures

Wetlands help mitigate and adapt to impacts of climate change, yet find limited mention and integration in climate change policies and programmes. Better recognition of wetland values in adaptation planning can help generate significant co-benefits for all key actors and stakeholders. Bridging the science-policy-practice divide will enable translating the evidence base on wetland ecosystem service values into improved adaptation policy and investment practices. Through case studies and moderated discussion, the session will explore pathways for better recognition of wetland values in adaptation planning by government, private sector and investors.

Organised by Ritesh Kumar, Wetlands International
Partner Institute for European Environment Policy, United Kingdom
Chair Ritesh Kumar, Wetlands International
Rapporteur Julie Mulonga, Wetlands International

Presentations Wetlands as natural capital
 Patrick ten Brink, Institute for European Environmental Policy (IEEP), United Kingdom

Case studies

Economics of Ecosystem Services and Biodiversity in Tana River Basin: implications for climate change adaptation and basin development

Peter Odengho, Government of Kenya, Kenya

Economic values of wetland ecosystem services: the implications and challenges for climate change adaptation planning and implementation

J.R.Bhatt, Ministry of Environment, Forests and Climate Change, India

Bringing the value of ecosystems into corporate decision-making

Joppe Camwinckel, World Business Council for Sustainable Development, Switzerland

Natural capital financing facility

Katarina Malmnäs, European Investment Bank, Luxembourg

Panel Patrick ten Brink, Institute for European Environmental Policy (IEEP), United Kingdom
 Peter Odengho, Government of Kenya, Kenya
 J.R.Bhatt, Ministry of Environment, Forests and Climate Change, India
 Joppe Camwinckel, World Business Council for Sustainable Development, Switzerland

17.30 – 19.00 Reception and poster session

WEDNESDAY 11 MAY 2016



08.00 – 19.00	Registration
09.00 – 19.00	Adaptation Expo
08.45 – 10.30	Sessions
10.30 – 11.00	Break
11.00 – 12.15	Plenary
12.15 – 13.30	Lunch
13.30 – 15.15	Sessions
15.15 – 15.45	Break
15.45 – 17.30	Sessions
17.30 – 19.00	Reception and poster session
19.00 – 22.00	Conference dinner (optional)



Round Table
08.45 – 10.30
Town Hall

RT 3 Business for adaptation: challenges & opportunities

Why is climate adaptation interesting for businesses? How can the private sector get involved? What are the challenges and opportunities for the corporate sector? This Round Table addresses these questions. In the first hour, executives from leading companies will explore issues such as adaptation in supply chains, business access to climate finance, business access to climate risk management tools and linkages between private and public sector actors. The mix of panellists from various sectors will allow for the sharing of interesting practices and solutions. The Round Table will close with an open floor session, feel free to join and participate.

Organised by	Rasmus Valanko, World Business Council for Sustainable Development (WBCSD), Switzerland Bart van Gent, Ministry of Foreign Affairs, the Netherlands
Moderator	Peter Bakker, President & CEO, World Business Council for Sustainable Development (WBCSD)
Panel	David Walker, CEO, DNV GL Energy, Norway Feike Sijbesma, CEO, DSM, the Netherlands Sandeep Dadlani, EVP, Infosys, India Frank Goossensen, Director Water, Arcadis, the Netherlands Christine Tørklep Meisingset, Key Account Manager, Norsk Gjenvinning Industri AS, Norway



Theme 1. Cities and infrastructure
08.45 – 10.30
Goudriaan I

SC 1.5 Adaptation processes

Chair	Debra Roberts, eThekweni Municipality, Durban, South Africa, and IPCC Working Group II, South Africa
Rapporteur	Tbd
Presentations	New spaces of flows? Global urban networks in climate change adaptation Kian Goh, Northeastern University, USA Community-based adaptation in the USA: understanding why communities are taking action Heather Hosterman, Abt Associates, USA Integrating green and social infrastructure for climate adaptation: case studies across two regions Elisabeth Hamin, University of Massachusetts, USA Achieving bottom-up adaptation through local planning policy at the development consent stage Jennifer Pang, Pittwater Council, Australia Integrating adaptation with broader urban systems and decision making Bob Webb, Australian National University, Australia



Theme 2. Food, forestry and rural livelihoods
08.45 – 10.30
New York Room

SC 2.2 Rural livelihoods and smallholder farming systems

Chair	Laurent Sédого, West African Science Service Center on Climate Change and Adapted Land Use, Ghana
Rapporteur	Carolien Caspers, Radboud University, the Netherlands
Presentations	How climate compatible are livelihood adaptation strategies & development programs in rural Indonesia Russell Wise, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia Diversification as adaptation: insights from livelihood and crop diversification in semi-arid India Chandni Singh, Indian Institute for Human Settlements, India

Impact of climate change on farmers' livelihood in a developing country: India
 Pouchepparadjou Anandan, PAJANCOA&RI, India

The complexity of linking climate change adaptation and mitigation in smallholder farming systems
 Rico Kongsager, National University of Ireland, Galway (NUIG), Ireland

The benefits of mixed systems in reducing climate shock impacts to smallholder farmers
 John Duncan, Tufts University, USA



Theme 2. Food, forestry and rural livelihoods

08.45 – 10.30

New Orleans Room

SC 2.8 Adapting cropping systems to a CO₂ rich atmosphere: opportunities and challenges for food and water security

Rising atmospheric CO₂ concentrations could benefit crops by stimulating biomass production rates whilst improving overall crop water use efficiency. Yet the actual role of CO₂ on crop yield and food security remains controversial and assessments of long-term agricultural adaptation tend to overlook crop-CO₂ interaction. This session aims to discuss challenges and opportunities in adapting cropping systems to a CO₂ rich atmosphere and to identify a list of priorities in future experimental and crop modelling research that are carefully targeted to stakeholders' needs. After three presentations from the Impact-Adaptation-Vulnerability modelling and field experiment communities, practitioners and scientists will be invited to debate in a café style setting.

Organised by Delphine Deryng, Joshua Elliott, University of Chicago, Goddard Institute for Space Studies, USA

Partners Potsdam Institute for Climate Impact Research (PIK), Germany
 AgMIP, USA

Chair Christoph Müller, Potsdam Institute for Climate Impact Research (PIK), Germany

Rapporteur Thomas Pugh, Karlsruhe Institute of Technology, Germany

Presentations Regional disparities in the beneficial effects of rising CO₂ emissions on crop water productivity
 Delphine Deryng, University of Chicago, USA

New development of FACE experiments and consequence for adaptation futures
 Andrew Leakey, University of Illinois, USA

Narrowing CO₂ uncertainty in projections of adaptation
 Julian Ramirez Villegas, University of Leeds, United Kingdom



Theme 3. Fresh water availability and access

08.45 – 10.30

Leeuwen Room II

SC 3.3 Improving fresh water availability: measures under climate change

Chairs

Holger Hoff, Stockholm Environment Institute, Sweden / Potsdam Institute for Climate Impact Research (PIK), Germany

Rapporteur

Gualbert Oude Essink, Deltares, the Netherlands
 Tbd

Presentations

Climate adaptation for food security and farming livelihood in Small Island Developing States (SIDS)

Adrian Cashman, University of the West Indies, Barbados

Freshwater supply: the subsurface to the rescue

Koen Zuurbier, KWR Watercycle Research Institute, the Netherlands

Flood water conservation underground – Case Study: Indus Basin to improve water quality & quantity

Amir Haider, Malik Comsats IIT, Pakistan

Water poverty in small islands: natural laboratories for global water management

Josep Osorio, Climate Service Center Germany, Germany

Quantifying present and future water availability in selected Caribbean catchments

Anuradha Maharaj, Centre for Resource Management and Environmental Studies (CERMES), Barbados



Theme 6. Disaster risk reduction

08.45 – 10.30

Diamond Room II

SC 6.3 Tools and approaches to assess disaster reduction strategies

Chair

Tbd

Rapporteur

Tbd

Presentations

Real options analysis in climate change adaptation decisions under uncertainty

Myungjin Kim, University of Southampton, United Kingdom

Flood-risk awareness as a first step to a self-reliant community during evacuation

Hanneke Vreugdenhil, Municipality of Dordrecht, the Netherlands

Climatic change adaption amidst other environmental hazards

Rehema Namuddu, Rural-Urban Environmental Agency, Uganda

Adapting social protection systems for disaster risk reduction
Zoe Scott, Oxford Policy Management, United Kingdom

Tools for loss and damage decision making
Swenja Surminski, London School of Economics, United Kingdom



Theme 7. The Arctic
08.45 – 10.30
Van Walsum Room

SC 7.3 The role of narratives and discourses in shaping adaptation, adaptive capacity and mitigation to climate change: cases from the Arctic

The role of narratives and discourses in shaping adaptation, adaptive capacity and mitigation to climate change is understudied. However, the importance of considering worldviews and values as integral aspects of adaptation is increasingly recognised. We think that the challenges of examining perceptions, cultural values and world views embedded in discourses and narratives will result in the unpacking of the drivers of potential climate change complacency. In this session we will address questions such as how perceptions of resilience to the changing conditions in the Arctic are reflected in different forms of narratives and expressions of world views, values and cultural norms; how such perceptions shape how we approach the challenge of global warming; whether resilience narratives affect the adaptive capacity of individuals and/or communities.

Organised by Partners Grete K. Hovelsrud, Faculty of Social Sciences, University of Nordland, Norway
University of Oulu, Finland
Kings College London, United Kingdom

Chair Rapporteur Grete K. Hovelsrud, University of Nordland, Norway
Halvor Dannevig, Western Norway Research Institute, Norway

Presentations

Adaptation options and actions to change in the Arctic: the Barents Region
Helene Amundsen, Faculty of Social Sciences, University of Nordland, Norway

Boundary arrangements for adaptation in primary industries
Halvor Dannevig, Western Norway Research Institute, Norway

Adaptation in Canadian Arctic coastal ecosystems: dissonances and challenges with M&E indicators
Johann Jacob, CREXE, ENAP, Québec, Canada

Avalanche risk in Norwegian communities: risk perceptions and boundaries of local adaptive capacity
Marianne Karlsson, Nordland Research Institute, Norway



Issue 8. Risk assessment, adaptation planning and evaluation
08.45 – 10.30
Antwerp Room

SC 8.11 Gender and adaptation

Chair Rapporteur

Felix Olorunfemi, Institute of Social and Economic Research, Nigeria
Tbd

Presentations

How is adaptation, resilience, and vulnerability research engaging with gender?
Anna Bunce, McGill University, Canada

Gender sensitivity of climate change adaptation policies in Bangladesh: an assessment
Zohra Akhter, East West University of Dhaka, Bangladesh

To study variance in adaptive capacities of women from different social groups in SAR of Maharashtra
Suchita Awasthi, Watershed Organisation Trust, India

Climate change adaptation policies and practices in the delta region of Bangladesh
Mohammad Rahman, Bangladesh University of Engineering and Technology, Bangladesh

Examining the suitability of 'subjective' forms of resilience measurement: insights from Tanzania
Lindsey Jones, Overseas Development Institute (ODI), United Kingdom



Issue 9. Institutions and governance
08.45 – 10.30
Oscar Auditorium

SC 9.4 Governance challenges of climate adaptation

Chair

Robert Kibugi, Centre for Advanced Studies in Environmental Law (CASELAP) and the School of Law, University of Nairobi, Kenya
Tbd

Rapporteur

Presentations

Adapting to climate change across boundaries – lessons from a territorial approach in Senegal
Florence Crick, London School of Economics and Political Science, United Kingdom

Climate change: business as usual or a complex issue? Let's ask practitioners
Paulina Aldunce, University of Chile, Chile

Urban local governance towards mainstreaming disaster risk reduction and climate change adaptation
Zakir Md. Hossain, Krisoker Sor (Farmers' Voice), Dhaka, Bangladesh

What is an appropriate policy response for adaptation?

Mikael Hildén, Finnish Environment Institute, Finland

Governance, institutions and practice for adaptation: adequacy and enhancements from New Zealand

Judy Lawrence, New Zealand Climate Change Research Institute, New Zealand



Theme 1. Cities and infrastructure

08.45 – 10.30

Penn Room II

PR 1.1 Integral adaptive concepts applied in urban deltas

Urban Deltas need to prepare for sea level rise and larger river discharges. This requires an integral adaptive approach to deal with floods and uncertainty in the future. This session aims to explore the strategy of adaptive concepts as developed by the Delta programme 'Coast', including concepts for spatial integration and adaptation pathways for planning and collaboration, illustrated with Dutch examples. This adaptive strategy will be challenged from an international perspective during an interactive session about the short and long term adaptation of the Elbe estuary of Hamburg. The session will be set up as a community of practice. We will challenge the strategy and connect the lessons learned to international urban delta's worldwide.

Organised by Partners

Marja Wijntjes, Ministry of Infrastructure and the Environment, the Netherlands
Hamburg University of Applied Sciences, Germany
Province of Noord-Holland, the Netherlands

Chair Rapporteur

Janneke van Bergen, Atelier 1:1, the Netherlands
Marja Wijntjes, Ministry of Infrastructure and the Environment, the Netherlands

Presentations

Introduction to the strategy of adaptive concepts for urban deltas and Dutch best practice so far
Janneke van Bergen, Atelier 1:1, the Netherlands
Introduction to the case of Hamburg / Elbe estuary
Susanne Heise, Hamburg University of Applied Sciences, Germany



Issue 8. Risk assessment, adaptation planning and evaluation

08.45 – 10.30

Van Oldenbarnevelt Room

PR 8.3 Drawing on experts and implementers beyond city government: better climate adaptation inputs and outputs

Cities are working with a wide array of partners to improve local climate and risk information as well as to motivate and cascade adaptation. To bring the virtues of partnership to light, this session will highlight how cities are working with private actors to assess shared responsibility, and with the scientific community to translate research and climate projections into practice. We will also address challenges with partnerships and potential steps to mitigate them. Audience members will be invited to ask questions of the five panellists from Toronto, Copenhagen, London and NYC concerning partnerships relevant to them. Cities will learn about the pros and cons of trying to create similar partnerships in their home countries.

Organised by Partners

Katherine Greig, New York City Mayor's Office of Recovery and Resiliency, USA
City of Sydney, Australia
City of Copenhagen, Denmark

Chair Rapporteur

Katherine Greig, New York City Mayor's Office of Recovery and Resiliency, USA
Chris Derksema, City of Sydney, Australia

Presentations

City of Sydney: benefits and challenges of partnerships driving climate adaptation
Chris Derksema, City of Sydney, Australia
Partnering with the national insurance organisation to incent flood risk mitigation
Jan Rasmussen, Copenhagen Climate Change Adaptation Plan, Denmark
London climate change partnerships
Nathalie Bellanger, London Climate Change Partnership, United Kingdom
Multi-sectoral engagement towards interdependent climate adaptation
David MacLeod, senior environmental specialist, Canada
Public, private, non-profit and academic partnerships essential to adaptation in New York city
Katherine Greig, New York City Mayor's Office of Recovery and Resilience, USA



Issue 8. Risk assessment, adaptation planning and evaluation

08.45 – 10.30

Beurs Lounge

PR 8.8 Monitoring, reporting and evaluating adaptation: current practice and looking ahead

The session will present the monitoring, reporting and evaluation (MRE) systems developed and implemented in both developing and developed countries, including Germany, Countries of the Mekong River Commission, South Africa and the United Kingdom. Discussions will explore the lessons derived from these case studies and their relevance for national level MRE systems. Lessons learned from early experiences are instrumental for countries currently planning to develop MRE systems. To draw lessons learned from recent practices, this session will consist of two presentations followed by a panel discussion with national representatives who will address guiding questions and interact with participants.

Organised by	Stéphane Isoard, Climate change impacts and adaptation, European Environment Agency, Denmark
Partners	Timo Leiter, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany Federal Environment Agency, Germany Mekong River Commission, Cambodia, Laos, Thailand, Vietnam Department of Environmental Affairs, South Africa Adaptation Sub-Committee, United Kingdom ClimateXchange, United Kingdom Climate Resilience Ltd., United Kingdom
Chair	Patrick Pringle, UK Climate Impacts Programme (UKCIP), United Kingdom
Rapporteur	Andrea Prutsch, Environment Agency Austria, Austria
Presentations	Adaptation monitoring, reporting and evaluation: an overview of experiences from Europe Stéphane Isoard, European Environment Agency (EEA), Denmark Developing national Adaptation M&E Systems: a guidebook for practitioners Timo Leiter, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany
Panel	David Thompson, Adaptation Sub-Committee, United Kingdom Petra van Rùth, Federal Environment Agency Germany Brian Mantlana / Tsepang Makholela, Department of Environmental Affairs (DEA), South Africa Nguyen Huong Thuy Phan, Mekong River Commission, Laos



Issue 8. Risk assessment, adaptation planning and evaluation

08.45 – 10.30

Diamond Room I

PR 8.9 Managing climate change risks amidst uncertainty: designing development co-operation to support national and sub-national adaptation

The objective is to share experience of how developing countries are putting into practice climate (and disaster-related) risk transfer and sharing tools and assessing how these tools can be strengthened at the national and local level. The session will facilitate an exchange of views amongst development cooperation providers and adaptation practitioners on how to successfully integrate adaptation into national and local development policy and planning. After one introductory presentation from the Organisation for Economic Co-operation and Development (OECD) and one presentation by a G7 country on the Climate Risk Initiative, partner countries (Colombia/Bolivia, Philippines - tbc) will showcase their experience.

Organised by	Jan Corfee-Morlot, Michael Mullan, Organisation for Economic Co-operation and Development (OECD), France
Partners	Federal Ministry for Economic Co-operation and Development, Germany NAP Global Network
Chair	Jan Corfee-Morlot, Development Assistance Committee (DAC) and Environment Policy Committee (EPOC) Task Team on Climate Change and Development Co-operation, France
Rapporteur	Gisela Campillo and Lola Vallejo, Organisation for Economic Co-operation and Development (OECD), France
Presentations	How are development co-operation providers supporting NAPs processes and entry points for action in countries? Jan Corfee-Morlot, Michael Mullan, OECD Secretariat, France (panelists) Anne Hammil, International Institute for Sustainable Development (IISD), Canada G7 - Climate Risk Insurance Initiative for strengthening resilience of poor people in vulnerable countries (progress report) Gottfried von Gemmingen, Federal Ministry for Economic Cooperation and Development of Germany Progress In integrating adaptation and climate risk insurance into national and sub-national development planning Rodrigo Suárez Castaño, Ministry of Environment and Sustainable Development of Colombia Other country examples (tbc) Representative from Senegal (tbc) Representative from The Philippines (tbc)



Theme 4. Public health

08.45 – 10.30

Leeuwen Room I

SP 4.1 Early warning systems in public health

Early warning systems, based on climatic and environmental conditions, can help improve and accelerate alert and public health response capabilities and provide the evidence-base for strategic public health action. Such systems can significantly enhance preparedness to emerging infectious diseases, thereby helping contain human and economic costs, particularly in resource-strapped regions. Monitoring long-term trends in order to build systems adapted to global climate change, and not just meteorological conditions, remains a challenge for public health practitioners. A number of early warning systems from around the world will be presented at this session.

Organised by Jan C. Semenza, European Centre for Disease Prevention Control (ECDC), Sweden
Kristie Ebi, University of Washington, USA

Chair Jan C. Semenza, European Centre for Disease Prevention Control (ECDC), Sweden
Rapporteur Kristie Ebi, University of Washington, USA

Presentations

Malaria early warning systems: experience from South Africa
Swadhin Behera, Application Laboratory, Japan Agency for Marine-Earth Science and Technology, Yokohama, Japan

Infectious disease early warning systems: experience from ECDC
Jan C. Semenza, European Centre for Disease Prevention Control (ECDC), Sweden

Lyme disease early warning systems: experience and lessons from Canada
Nick H. Ogden, Public Health Agency, Canada

Dengue early warning systems in Asia
Joacim Rocklov, University of Umea, Sweden

Climate change: addressing heat-health vulnerability in rapidly urbanising regions of Western India
Priya Dutta and Abhiyanti Tiwari, Indian Institute of Public Health, India

Using seasonal forecasts to drive infectious diseases early warning systems, and a bit beyond
Andy Morse, University of Liverpool, Liverpool, United Kingdom



Theme 5. Ecosystems and ecosystem based adaptation

08.45 – 10.30

Goudriaan Room II

SP 5.1 Scaling up the role of wetlands in climate change adaptation

Climate change will have significant impacts on fresh water availability and on natural capital. Wetlands provide major potential to buffer such impacts in river basins, catchments and in coastal areas through their ecosystem services. This session aims to explore how the adaptation potential of wetlands can best be sustained and enhanced through improved practice, policies and investments. Key issues and integrated solutions will be presented from case studies in Malaysia, Mali and Panama. In the session participants from private sector, NGOs, government and knowledge institutes will then explore adaptation priorities based on these and their own experiences.

Organised by Marcel Silvius, Wetlands International
Partners Stockholm International Water Institute (SIWI) Action for Source to Sea Management, Sweden
Ramsar Convention, Switzerland

Chair Jane Madgwick, Wetlands International
Rapporteur Marcel Silvius, Wetlands International

Presentations

Rajang Delta, Sarawak: addressing challenges of land subsidence caused by deforestation and drainage of tropical peatlands
Hj. Keizrul bin Abdullah, Global Water Partnership South East Asia, Wetlands International

Upper Niger Basin, Mali: options and implications of safeguarding and rehabilitating the Inner Niger Delta as part of the solution to climate adaptation and resilience to increasing climate variability and water scarcity
Bakary Kone, Wetlands International

Urban and rural wetlands of Panama: challenges and 'Building with nature': opportunities for improved coastal resilience in Panama Bay and along an urbanizing mangrove coast
Raisa Banfield, Vice Mayor of Panama City, Panama



Theme 6. Disaster risk reduction

08.45 – 10.30

Tokyo Room

SP 6.4 How to integrate Climate Change Adaptation and Disaster Risk Reduction policy and practice at different governance scales

The Sendai Framework for Disaster Risk Reduction (DRR), the EU Adaptation Strategy and the UNFCCC Paris Agreement recognise the importance of linking Climate Change Adaptation (CCA) to DRR and the need to implement policies in synergy and full coordination in the EU and Member States. This session aims to highlight good practice in CCA and DRR policy; explore how policy frameworks are reflected in real case studies; and stimulate a discussion on the best working methods to strengthen the linkages between CCA and DRR. This practice session will be based on different policy and practice cases that lead to a panel discussion and exchange with the audience.

Organised by	Mário Pulquério, Faculdade de Ciências da Universidade de Lisboa, Portugal Markus Leitner, Environmental Impact Assessment and Climate Change, Environment Agency Austria, Austria
Partners	European Commission Directorate-General for Climate Action, Directorate-General for Humanitarian Aid and Civil Protection, Belgium UNISDR, Europe Office, Belgium European Investment Bank, Luxembourg Global Network of Civil Society Organisations for Disaster Reduction, United Kingdom
Chair	Beatriz Yordi Aquirre, European Commission Directorate-General for Climate Action, Belgium
Rapporteur	Sonja Völler, Environment Agency Austria, Austria
Presentations	Disaster risk reduction, climate change and resilience: coherence and mutual reinforcement of policy frameworks Luca Rossi, UNISDR, Europe Office, Brussels European Investment Bank and national good practice examples towards climate change risks and adaptation in project planning Markus Leitner, Environment Agency Austria, Austria Nancy Saich, European Investment Bank, Luxembourg Discussing experiences from a local perspective Marcus Oxley, Global Network of Civil Society Organisations for Disaster Reduction, United Kingdom



Issue 8. Risk assessment, adaptation planning and evaluation

08.45 – 10.30

Mees Auditorium

SP 8.3 Applying adaptation pathways practice for resilient and sustainable development

'Adaptation pathways' is an emerging approach to decision-making accounting for future uncertainty, resilience, complex systems and multiple stakeholders' goals. The approach is highly relevant in developing countries, where potential impacts on communities of mal-adaptive decisions are significant, yet decision-maker capacity is low, change is rapid and competing development priorities are many. This workshop will bring together researchers and their policy or donor partners from developing countries to 1) develop lessons for adaptation pathways practice from scientists' and practitioners' experiences, and 2) initiate a community of practice amongst researchers, donors, NGOs and government stakeholders.

Organised by	James R.A. Butler, Russell Wise, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia Alice Ruhweza, Bureau for Policy and Program Support, United Nations Development Program/Global Environment Facility Africa Region, Ethiopia Carina Wyborn, World Wide Fund for Nature, Colombia Celia Harvey, David Hole, Conservation International, USA
Partners	Luc Hoffmann Institute, Switzerland Australian National University, Australia
Chair	James Butler, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
Rapporteur	Celia Harvey, Conservation International, USA
Presentations	Priming stakeholders for adaptation pathways in rural Indonesia Russell Wise, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia The resilience, adaptation pathways and transformation assessment guidelines: experiences from Ethiopian food security Alice Ruhweza, United Nations Development Programme (UNDP), Ethiopia Adaptation pathways for protected areas in Colombia: participatory processes to engage with the future Carina Wyborn, World Wildlife Fund, Colombia



Issue 8. Risk assessment, adaptation planning and evaluation

08.45 – 10.30

Penn Room I

SP 8.7 Resilient risk management strategies for critical infrastructure within cities

Recent extreme events within Europe and beyond have demonstrated the vulnerability of infrastructure networks and highlighted the challenges there are in the context of improving resiliency of cities and their infrastructure. This interactive session provides an opportunity to explore and discuss experiences, challenges and lessons learned on moving from risk assessment to adaptation planning and implementation that also consider interdependencies and connecting science to practice and policy. After short presentations on experiences of leading cities, EU projects and national approaches, participants will together explore perspectives on crucial factors for managing critical infrastructure in the context of change.

Organised by Annemarieke Grinwis, Deltaprogramme, Ministry of Infrastructure and the Environment, the Netherlands
Tara Geerdink, TNO, Netherlands Organisation for Applied Scientific Research, the Netherlands
Roger Street, UK Climate Impacts Programme (UKCIP), University of Oxford, United Kingdom

Partners City of Amsterdam, Waternet, the Netherlands
City of Rotterdam, the Netherlands

Chair Adriaan Slob, TNO, Netherlands Organisation of Applied Scientific research, the Netherlands

Rapporteur Roger Street, UKCIP, University of Oxford, United Kingdom
David van Raalten, Arcadis, the Netherlands

Presentations Adaptation approach to critical Infrastructure from a national policy perspective in the Netherlands and a practical/managing approach in the United Kingdom, pitch and reflection
Annemarieke Grinwis, Ministry of Infrastructure and the Environment, the Netherlands
Reaction: John Dora, John Dora Consulting Limited, United Kingdom
Experiences from the RESIN and INTACT project (network interdependencies) with reaction from the city of Rotterdam
Tara Geerdink, TNO, Netherlands Organisation of Applied Scientific research, the Netherlands
Reaction: Nick van Barneveld, City of Rotterdam the Netherlands
Approach to critical infrastructure from city of Toronto with reaction from the city of Amsterdam
David MacLeod, City of Toronto, Canada
Reaction: Rob Koeze, City of Amsterdam, Waternet, the Netherlands



Issue 9. Institutions and governance

08.45 – 10.30

Zaal Staal

SP 9.2 Building flood resilience: an innovative partnership integrating science and practice

Climate change and associated disasters have transformative impacts on development. While the importance of building adaptive capacity and resilience is increasingly recognized, relevant knowledge is highly fragmented; there is a need for more holistic and cost-effective strategies that truly engage with stakeholders' needs. This session aims to fill this gap by exploring an innovative cross-sector partnership, the Zurich Flood Resilience Alliance. It will demonstrate how diverse organisations work together to operationalize resilience theories and concepts to reduce flood risk in communities and support them to build back better. After three presentations practitioners and scientists will be invited to contribute their experience, findings in a world café setting.

Organised by Wei Liu, Reinhard Mechler, International Institute for Applied Systems Analysis (IIASA), Austria
Colin McQuistan, Practical Action, United Kingdom

Partner Linda Freiner, Zurich Insurance Group, Switzerland

Partner International Federation of Red Cross and Red Crescent Societies, Switzerland

Chair Colin Mcquistan, Practical Action, United Kingdom

Rapporteur Adriana Keating, International Institute for Applied Systems Analysis (IIASA), Austria

Presentations Measuring the impact of investment in community flood resilience: a systems approach to diagnose and assess community flood resilience in Peru
Adriana Keating, International Institute for Applied Systems Analysis (IIASA), Austria
Michael Szoenyi, Zurich Insurance Group, Switzerland
Meinrad Burer, International Federation of Red Cross and Red Crescent Societies, Switzerland
Reinhard Mechler, International Institute for Applied Systems Analysis (IIASA), Austria
Empowering local communities to participate, innovate and develop new approaches to build flood resilience
Colin Mcquistan, Practical Action, United Kingdom
Harnessing the power of citizen science to enhance climate and disaster resilience
Wei Liu, International Institute for Applied Systems Analysis (IIASA), Austria

10.30 – 11.00 Break

PL

Plenary**11.00 – 12.15****Rotterdam Hall****Moderator**

Vivienne Parry, United Kingdom

Speakers

Naoko Ishii, CEO of the Global Environment Facility, USA
 Feike Sijbesma, CEO & Chairman of the Managing Board DSM, the Netherlands
 Rachel Kyte, CEO of Sustainable Energy 4 All, United Kingdom
 Paula Caballero, Senior Director Natural Resources, The World Bank
 Roberto Ridolfi, Director for Sustainable Growth and Development, European Commission

12.15 – 13.30**Lunch**

RT

Round Table**13.30 – 15.15****Town Hall****RT 4****Joining forces: tackling adaptation, alleviate poverty and inequalities**

The effects of climate change are increasing and unevenly distributed, hitting poor countries and people disproportionately. Following Paris, billions of dollars will be invested every year in adaptation. From a moral and humanitarian point of view one of the major challenges is investing in adaptation and development while reducing poverty and in-equity. There also proves to be a clear cost of inaction in this respect, urging governmental attention. Which approaches do we need and how can different actors join forces? That is the debate in this roundtable, enriched with reflections from the World Bank, Bhutan, Ethiopia, OECD and the EU.

Organised by

Willem Ligtoet, PBL Netherlands Environmental Assessment Agency, the Netherlands
 Pieter Terpstra, Ministry of Foreign Affairs, the Netherlands

Partners

The World Bank, Organisation for Economic Co-operation and Development (OECD),
 EC/DG DEVCO

Chair

Heather McGray, World Resources Institute

Rapporteurs

Willem Ligtoet, PBL Netherlands Environmental Assessment Agency, the Netherlands
 Pieter Terpstra, Ministry of Foreign Affairs, the Netherlands

Presentations

Setting the scene – climate change adaptation, poverty and inequity
 Stephane Hallegatte, The World Bank

Pitch: Adaptation and in-equity in Bhutan

Pema Tanzin, Programme leader, Gross National Happiness Commission, Bhutan or
 Minister Gross National Happiness Commission, Bhutan (tbc)

Pitch: Disaster risk management, climate change and inequity in Ethiopia
 Commissioner Disaster Risk Management Agency, Ethiopia (tbc)

Pitch: Poverty and inequity: the costs of in-action

Aziza Akhmouch, Head of the Water Governance Programme, Organisation for
 Economic Co-operation and Development (OECD)

Pitch: How the EC supports developing countries to tackle climate change impacts,
 poverty and inequalities

Roberto Ridolfi, Director, Directorate Sustainable Growth and Development, EC/DG
 DEVCO

Panel

Stéphane Hallegatte, The World Bank
 Pema Tanzin or Minister Gross National Happiness Commission, Bhutan (tbc)
 Commissioner Disaster Risk Management Agency, Ethiopia
 Aziza Akhmouch, Head of the Water Governance Programme, Organisation for
 Economic Co-operation and Development (OECD)
 Roberto Ridolfi, Director Directorate Sustainable Growth and Development, EC/DG
 DEVCO



Theme 1. Cities and infrastructure

13.30 – 15.45

Goudriaan Room I

SC 1.2

Decision support

Chair
Rapporteur

Robert Kiunsi, Ardhi University, Tanzania
Tbd

Presentations

Climate adaptation in spatial planning and the four big questions of what, where, how and who?

Jozefien Hermy, Spatial Development Department Flanders, Belgium

Key design parameters towards urban resilience: insights into the transforming city of Tainan

Chia-Lung Wu, Chinese Culture University, Taiwan

Co-creating climate change adaptation and resilience decision-making support tools with cities

Alberto Terenzi, ICLEI, Local Governments for Sustainability Germany

Lessons learned from touchtable based interactive adaptation support tool sessions around the world

Reinder Brolsma, Deltares, the Netherlands

The IPSS Tool: infrastructure planning support system for adaptation options

Xavier Espinet, Resilient Analytics, USA



Theme 2. Food, forestry and rural livelihoods

13.30 – 15.15

New York Room

SC 2.7

Societal responses to climate change in agriculture

Chair
Rapporteur

Olle Olsson, Stockholm Environment Institute (SEI), Sweden
Tbd

Presentations

How do objective and subjective measures of climate stress influence household migration decisions?

Jacqueline Meijer-Irons, University of Washington, USA

How to encourage farmers to adapt to climate change?

Amarnath Tripathi, Institute of Economic Growth, India

Gender and adoption of soya bean technologies for climate change adaptation in Northern Benin

Gilbert Adjimoti, University of Ghana, Ghana

Climate-smart agriculture: a systematic review protocol for the scientific basis

Aslihan Arslan, Food and Agricultural Organization (FAO), Italy

Climate risks, food insecurity and livelihood responses: why gender matters?
Nitya Rao, University of East Anglia, United Kingdom



Theme 5. Ecosystems and ecosystem based adaptation

13.30 – 15.15

Tokyo Room

SC 5.1

Ecosystem services for climate adaptation

Chair
Rapporteur

Rebecca Shaw, Stanford University and Environmental Defense Fund, USA
Carolien Caspers, Radboud University, the Netherlands

Presentations

The contribution of ecosystem services to human resilience: a rapid review

Elizabeth Carabine, Overseas Development Institute, United Kingdom

Ecosystem based shrimp aquaculture as adaptation option in southwest Bangladesh
Atikul Islam, Khulna University, Bangladesh

Europe's ecosystem services: integrated assessment of combined climatic and socio-economic futures

Robert Dunford, University of Oxford, United Kingdom

Role of biodiversity and ecosystem services in climate adaptation and mitigation strategies

Sarahi Nunez, Wageningen UR, the Netherlands

Payment for ecosystem services – paying farmers for using farmland for flood control
Marianne Zandersen, Aarhus University, Denmark



Theme 6. Disaster risk reduction

13.30 – 15.15

Rotterdam Hall

SC 6.5

Disaster risk preparedness

Chair
Rapporteur

Tbd
Tbd

Presentations

Catalysing synergies between climate change adaptation and disaster risk reduction in agriculture

Roman Malec, Food and Agricultural Organization (FAO), Italy

Livelihood adaptation to long term exposure to volcanic ash at Volcan Tungurahua, Ecuador

Maria Teresa Armijos, University of East Anglia, United Kingdom

Disaster risk reduction efforts and factors affecting flood disaster management

Ddungu Roger Maxi, Crusade for Environmental Awareness Agency, Uganda

GO-NGO collaboration for disaster risk reduction in India: a SWOT analysis
Jayashree Parida, National Institute of Technology, India

Preparedness is overrated: community responses in (perceived) low probability contexts
Kim Anema, Red Cross, the Netherlands



Issue 8. Risk assessment, adaptation planning and evaluation

13.30 – 15.15

Zaal Staal

SC 8.13 Economics, investment and business

Chair
Rapporteur

Rob Swart, Wageningen UR, the Netherlands
Tbd

Presentations

Economic evaluation of climate change adaptation measures: lessons learned from 23 European cases
Oliver Gebhardt, Helmholtz Centre for Environmental Research, UFZ, Germany

Development of 'profitable' climate adaptation for built assets
Xiaoming Wang, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia

Long term investment scenarios and an opportunity to collaborate
Mike Steel, Environment Agency, United Kingdom

Trade-off analysis – a 21st century complement to cost-benefit analysis?
Julien Harou, University of Manchester, United Kingdom

Understanding and managing climate change risks and adaptation opportunities in a business context
Ioannis Chrysostomidis, Sustainable Futures, United Kingdom



Issue 8. Risk assessment, adaptation planning and evaluation

13.30 – 15.15

New Orleans Room

SC 8.14 The role of PROVIA: identifying key future challenges across scales

PROVIA, the Global Programme of Research on Climate Change Vulnerability, Impacts and Adaptation, has been instrumental in identifying research gaps in Vulnerability, Impacts and Adaptation (VIA). New tools and materials have been developed that bridge the science-policy gap and help practitioners in taking action. The session brings together leading experts from around the world to discuss these research gaps and to understand the views of the VIA communities on the PROVIA direction and focus for the next five years. The outcome of the session will be used to inform the PROVIA future work plan with the aim to increase the relevance and timeliness of its work for the VIA community.

Organised by
Partners

Janak Pathak, PROVIA Secretariat, Kenya
United Nations Environment Programme (UNEP), Kenya
Griffith University, Australia

Chair
Rapporteur

Jean Palutikof, Griffith University, Australia
Philip Drost, United Nations Environment Programme (UNEP), Kenya

Presentations

Examples of practical use of PROVIA products and services
Anand Patwardhan, University of Maryland, USA
Barney Dickson, United Nations Environment Programme (UNEP), Kenya

Global research challenges in climate change vulnerability, impacts and adaptation
Cynthia Rosenzweig, NASA Goddard Institute for Space Studies, USA

Future direction of adaptation research: an exploration
Kristie Ebi, University of Washington, USA

Evolving messages of the IPCC on adaptation
Yinlong Xu, Chinese Academy of Agricultural Sciences, China



Issue 9. Institutions and governance

13.30 – 15.15

Oscar Auditorium

SC 9.2 Power and agency issues in climate adaptation

Chair
Rapporteur

Peter Driessen, Utrecht University, the Netherlands
Tbd

Presentations

A practitioner-based framework of power relations for enabling successful adaptation projects
Stephen Woroniecki, Lund University, Sweden

Who, how and why 'must' participate in building resilience to disasters in a changing climate
Paulina Aldunce, University of Chile, Chile

Asking the right questions: developing a gender integration guide for local adaptation practice
Melanie Boeckmann, University of Bremen, Germany

Orchestrating adaptation, mitigation and transformation
Katharina Hölscher, Drift, the Netherlands

Power in socio-political processes of climate change adaptation
Sumit Vij, Wageningen UR, the Netherlands



Theme 1. Cities and infrastructure

13.30 – 15.15

Goudriaan Room II

PR 1.2 Climate change as an innovation driver

Innovation is often seen as the solution to solve everything. But what do we mean by innovation? What can we learn from successful innovations? How can we support innovation? In this session we present 'best practices' that have proven to be successful and innovative. The session is to stimulate a thought-provoking discussion about innovation in making cities and infrastructure more resilient to climate change exploring Working with communities, Working with nature, Using Circular Economy approaches and maximising outcomes by benefitting multiple needs and generating win-wins. We will encourage innovators and give feedback to their ideas in an interactive debate via pitches and Dragon's Den discussion.

Organised by Partners Lisette Heuer, Royal HaskoningDHV, the Netherlands
International Union for Conservation of Nature (IUCN), Switzerland
University of Manchester, United Kingdom

Chair Rapporteur Lisette Heuer, Royal HaskoningDHV, the Netherlands
Fola Ogunyoye, Royal HaskoningDHV, United Kingdom

Presentations Climate change as innovation driver in water resilient cities and infrastructure
Fola Ogunyoye, Royal HaskoningDHV, United Kingdom
Water infrastructure solutions from Ecosystem Services Underpinning Climate Resilient Policies and Programmes (WISE-UP): developing portfolios of built and natural water infrastructure
James Dalton, International Union for Conservation of Nature (IUCN), Switzerland
Trading-off ecosystem services with engineered and economic benefits to inform investment decisions
Anthony Hurford, University of Manchester, United Kingdom



Theme 1. Cities and infrastructure

13.30 – 15.15

Diamond Room I

PR 1.3 City resilience strategies – to support safe, inclusive and smart development

As cities grow and develop at a fast rate, they also increase exposure of their assets to the impacts of disasters snowballing at an alarming rate, thus planning for resilience and disaster risk reduction needs to be a priority for cities. To address these challenges, local governments need to integrate disaster risk reduction and climate change adaptation in their development plans. The practice session aims to discuss and evaluate the process of developing robust resilience plans based on current and potential future risks. Case studies include sharing of plans and experiences in disaster recovery from various cities worldwide.

Organised by Partners

Gubic Milos, United Nations Office for Disaster Risk Reduction (UNISDR), Switzerland
The United Nations Office for Project Services (UNOPS), Denmark
The Ecological Sequestration Trust (TEST), United Kingdom
Institute for Water Education (UNESCO-IHE), the Netherlands

Chair Rapporteur

Jerry Velasquez, UNISDR, Switzerland
Abhilash Panda, UNISDR, Switzerland

Presentations

City resilience plan: The framework
UNISDR, Switzerland
Cases from the cities
City officials, UNOPS, Denmark
Financing Disaster Risk Reduction & resilience plans
The Ecological Sequestration Trust (TEST), United Kingdom
City-to-city learning, a catalyst for the implementation of the plans
William Veerbeek, UNESCO-IHE, the Netherlands



Theme 3. Fresh water availability and access

13.30 – 15.15

Leeuwen Room II

PR 3.1 Green water utilities

Water Utilities need business cases that illustrate the role they can play in society to lower their climate footprint and make drinking water systems climate resilient and adaptive to climate change. In this session we want to present and promote an approach to transform water utilities into 'green utilities'. A partnership of water utilities, governments, donors and investors - gathered in the green utility network - promote this approach to transform utilities and scale up the green-grey infrastructure investments. A panel composed of representatives of water utilities, climate experts and financiers will reflect on the opportunities of green utilities and their roles and contribution for scaling up.

Organised by Partners

Marco Schouten, Vitens Evides International (VEI)
World Resources Institute, USA
IUCN National Committee of the Netherlands
Gerhard Mulder, IUCN, the Netherlands
Marco Schouten, Vitens Evides International

Chair Rapporteur

Presentations

Evides Water Utility: an inspiring green utility
Annette Ottolini, Evides Waterbedrijf, the Netherlands
Ho Chi Minh City, Climate Plan – retention area in the city
Vietnam (tbc)
Harar Water Utility, Ethiopia – Green City Plan Harar
Ethiopia (tbc)
Water Utility, Santa Cruz, Bolivia
Bolivia (tbc)



Issue 8. Risk assessment, adaptation planning and evaluation

13.30 – 15.15

Beurs Lounge

PR 8.5 Advancing city adaptation monitoring, evaluation and reporting

As cities increasingly develop and implement adaptation plans, they face barriers in understanding whether their actions are effective in reducing their risk or vulnerability: adaptation monitoring and evaluation is challenging. This session will explore the efforts of cities and their partners to advance knowledge and practice in city adaptation monitoring and evaluation. Through city case-studies, and a guided discussion we will draw on presenter and participant knowledge to identify the best action that can be taken by practitioners, researchers and city partners to improve monitoring and evaluation of adaptation on a city scale.

Organised by
Partners
Alfredo Redondo, C40 Cities Climate Leadership Group, Brazil
ARUP, United Kingdom
ICLEI Global Secretariat

Chair
Rapporteur
Alfredo Redondo, C40 Cities Climate Leadership Group, Brazil
Mandy Ikert, C40 Cities Climate Leadership Group, USA

Presentations

Climate risk assessment framework and taxonomy: development and early results	Alfredo Redondo, C40 Cities Climate Leadership Group, Brazil
The Rotterdam Adaptation Monitor	Chantal Oudkerk-Pool, Rotterdam City, the Netherlands
Monitoring health impacts of adaptation	Luciana Nery, City of Rio de Janeiro, Brazil
Decreasing Heat Impacts by 4 Degrees	Vicki Barmby, Melbourne City Government, Australia
Climate risk and adaptation framework and taxonomy	Amy Leitch, ARUP, United Kingdom
Compact of Mayors and reporting	Laura Kavanaugh, ICLEI



Issue 10. Finance, investment and business

13.30 – 15.15

Antwerp Room

PR 10.3 Insights from inclusive insurance and applications for climate change adaptation: examples from public private partnerships and participatory index insurance design

Insurance is an important tool to manage climate change risks. This industry is at an early stage in implementing insurance, yet some approaches can be highlighted as examples. This session will present lessons on how insurance can facilitate climate change adaptation among low-income populations, highlighting the importance of public-private partnerships, especially with governments to operationalise insurance programmes. Challenges in the implementation of index insurance as a risk management tool, especially through the use of satellite-derived weather information will be featured: technology, contract design, trust and distribution, and how participatory insurance product design will be combined with climate change adaptation awareness.

Organised by
Pranav Prashad, Miguel Solana, Social Finance Unit - Impact Insurance, International Labour Organization, Switzerland

Partner
Microinsurance Network, Luxembourg

Chair
Rapporteur
Pranav Prashad, ILO Impact Insurance Facility, Switzerland
Jenny Nasr, Microinsurance Network, Luxembourg

Presentations

Public Private Partnerships for catastrophic insurance for low income people: examples from Mexico (CADENA) and Peru (Seguro Agrícola Catatrófico)	Miguel Solana, ILO Impact Insurance Facility, Switzerland
New technologies in data collection, aggregation and analysis in the context of index insurance for climate change adaptation – Examples from Kenya, Senegal, Uruguay	Jenny Nasr, Microinsurance Network, Luxembourg
Portfolio covers and bundling with other services- Impact on insurance value chains	Pranav Prashad, ILO Impact Insurance Facility, Switzerland



Issue 10. Finance, investment and business

13.30 – 15.15

Penn Room II

PR 10.4 Making climate finance accessible to women

The Green Climate Fund aims to help countries adopt transformational pathways to low carbon, climate resilient development. The Fund is committed to a gender-sensitive approach to ensure climate finance addresses rather than reinforces gender inequalities, thus potentially setting an inspirational example to other financing mechanisms. This session provides concrete suggestions based on cases from Indonesia, the Philippines and India to put this commitment into practice and assure financing reaches and empowers women to contribute to adaptation efforts. In break-out groups practitioners and policy makers are invited to share their vision on their role in advancing the transformative power of climate finance.

Organised by Annelieke Douma, Both ENDS, the Netherlands
Zohra Moosa, Mama Cash, the Netherlands
Claudia Samcam, Fondo Centroamericano de Mujeres (FCAM), Nicaragua

Partner Samdhana Institute, Indonesia

Chair Cindy Coltman, Both ENDS, the Netherlands

Rapporteur Annelieke Douma, Both ENDS, the Netherlands

Presentations

Empowering women to take a lead in adaptation through small grants
Neni Rochaeni, Samdhana Institute, Indonesia & Philippines

A concrete proposal for devolution of climate finance to the local level in India
Anju Sharma, Oxford Climate Policy, United Kingdom

Screening investments in the Green Climate Fund on gender-sensitivity
Jacob Waslander, Ministry of Foreign Affairs, the Netherlands



Issue 10. Finance, investment and business

13.30 – 15.15

Diamond II

PR 10.6 Adaptation finance for private sector

The role of private finance in adaptation at the project level is not yet understood fully. The aim of the session is to provide an overview of the role and opportunities for private sector actors financing adaptation in developing countries and emerging markets. It will also describe which private finance instruments are well suited for financing different adaptation activities, building on real case studies from countries such as Morocco and Bangladesh from the Private Sector Adaptation Climate Change Programme (PSACC). The presentations will aid participant's discussions on opportunities for public sector intervention to support private finance for adaptation.

Organised by

Angelika Frei-Oldenburg, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany

Partners

United Nations Environment Programme (UNEP), Finance Initiative, Switzerland
Remco Fischer, United Nations Environment Programme (UNEP), Finance Initiative, Switzerland

Rapporteur

Angelika Frei-Oldenburg, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany

Presentations

Demystifying private adaptation finance: towards an actor based perspective
Remco Fischer, United Nations Environment Programme (UNEP), Finance Initiative, Switzerland

Alicia Rondon-Krummheuer, Frankfurt School of Finance & Management, Germany

Demystifying private adaptation finance: country case study
Angelika Frei-Oldenburg, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany and representative from partner country

Case studies of private adaptation finance
Virginie Fayolle, Acclimatise, United Kingdom

Alicia Rondon-Krummheuer, Frankfurt School of Finance & Management, Germany



Issue 10. Finance, investment and business

13.30 – 15.15

Mees Auditorium

PR 10.7 Business pitches

Do you have novel climate adaptation products to showcase? Are you interested in the latest best practices? Come and join the business pitches where start-ups, SMEs and multinationals will take the stage to show their product!

Interested to take the stage? Please contact Bart van Gent at bart-van.gent@minbuza.nl.

Organised by

Bart van Gent, Ministry of Foreign Affairs, the Netherlands



Theme 4. Public health

13.30 – 15.15

Leeuwen Room I

SP 4.2 Vulnerability and adaptation analysis as a tool for climate change adaptation planning in the health sector at national and local level

Climate change has been identified as the defining health issue of this century. Vulnerability and adaptation assessment (V&A) has been promoted as a necessary tool for viable climate change adaptation planning in the health sector at national and local level. This session aims to provide a platform for exploring the lessons learned of V&As in Malawi, Cambodia and Grenada. The benefits of the various methodological approaches and the challenges experienced will be discussed during the panel discussion and other practitioners in the field of climate change adaptation in the health sector will be invited to contribute.

Organised by Maylin Meincke, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany

Partners World Health Organization (WHO), Switzerland/Malawi
Malteser International, Cambodia

Chair Elena Villalobos Prats, WHO, Switzerland

Rapporteur Ute Jugert, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany

Presentations

Increasing resilience to health related impacts of climate change in Siem Reap Province, Cambodia: a vulnerability and adaptation assessment at the local level
Richard Hocking, Malteser International, Cambodia

Vulnerability and adaptation assessment: the Malawian experience
Allone Ganizani, Ministry of Health, Malawi

Vulnerability and adaptation assessment in Grenada: a qualitative approach
Maylin Meincke, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, on behalf of the Department of Environmental Health, Ministry of Health and Social Security, Grenada



Theme 7. The Arctic

13.30 – 15.15

Van Walsum Room

SP 7.1 Connecting Arctic researchers and industry: a dialogue for societal benefit

How can an open, productive and respectful dialogue between stakeholders from industry and scientists be established for increasing mutual understanding and identifying new ways of working for ensuring economic and societal benefits? After presentations from EU-PolarNet, Shell and Basecamp Oulanka, a small Arctic company, we will have an open discussion focused on the societal and economic impacts of Arctic change and its effects on the sustainable development of the region. Aim is to improve mutually beneficial engagement and interaction between EU-PolarNet participants and stakeholders from industry, the international research community, as well as the wider society, including young people.

Organised by Annette Scheepstra, Arctic Centre, University of Groningen, the Netherlands

Partners Alfred Wegener Institute, Helmholtz-Zentrum für Polar- und Meeresforschung Germany
European Polar Board, the Netherlands

Chair Annette Scheepstra, University of Groningen, the Netherlands

Rapporteur Kirsi Latola, University of Oulu, Finland

Presentations

The role of EU-PolarNet in better addressing societal needs in polar research
Nicole Biebow, Alfred Wegener Institute, Germany

Arctic potential: risks and opportunities
Robert Blaauw, Shell, the Netherlands

The impact of climate change on the economic development in the Arctic
Dimtry Yumashev, Ice-Arc project, the Netherlands

An interplay between the climate change and eco tourism
Keijo Salenius, Basecamp Oulanka, Finland



Issue 8. Risk assessment, adaptation planning and evaluation

13.30 – 15.15

Van Oldenbarnevelt Room

SP 8.8 User-oriented climate services: how can national meteorological and climatological data providers better meet practitioner needs?

In the wake of extreme weather events there has been a push for national meteorological and climatological centres to deepen engagement with practitioners building societal resilience to the impacts of climate change. The purpose of this session is to create a dialogue surrounding the question 'how can national meteorological and climatological institutes improve their services to better address practitioner needs?' The National Oceanic and Atmospheric Administration (NOAA), the Royal Netherlands Meteorological Institute (KNMI) and the Swedish Meteorological and Hydrological Institute (SMHI) will share opportunities and challenges to improve their services. After two presentations, practitioners will be invited to share their needs and experiences using climate services.

Organised by	Amanda Rycerz, Acclimatise, USA Bart van den Hurk, Royal Netherlands Meteorological Institute (KNMI), the Netherlands
Partners	National Oceanic and Atmospheric Administration (NOAA), USA Swedish Meteorological and Hydrological Institute (SMHI), Sweden
Chair	Amanda Rycerz, Acclimatise, USA
Rapporteur	Bart van den Hurk, Royal Netherlands Meteorological Institute (KNMI), the Netherlands
Presentations	<p>Improving end user engagement Amanda Rycerz, Acclimatise, USA</p> <p>Annette Hollingshead, National Oceanic and Atmospheric Administration (NOAA), USA Bart van den Hurk, Royal Netherlands Meteorological Institute (KNMI), the Netherlands Erik Kjellstrom, Swedish Meteorological and Hydrological Institute (SMHI), Sweden</p> <p>How have private and public sector actors used climatological data to build societal resilience? Amanda Rycerz, Acclimatise, USA Annette Hollingshead, National Oceanic and Atmospheric Administration (NOAA), USA (invited) Bart van den Hurk, Royal Netherlands Meteorological Institute (KNMI), the Netherlands</p>
Discussion	Identifying areas for improvement in climate services
Facilitators	Amanda Rycerz, Acclimatise, USA Bart van den Hurk, Royal Netherlands Meteorological Institute (KNMI), the Netherlands



Issue 10. Finance, investment and business

13.30 – 15.15

Penn Room I

SP 10.3 Adaptive value chains: addressing the challenges of cross-sectoral adaptation

Global value chains are facing increasing risks posed by climate change and associated climate variability. The challenge of adapting to overcome these risks is faced not only by local businesses, but by the network of businesses that deliver to global markets. Practitioners and scientists come together in this session to discuss and debate challenges and opportunities for adapting value chains. It will raise challenges of boundary spanning adaptation – across sectors, across borders and across futures. Case studies will be presented and discussed.

Organised by	Lilly Lim-Camacho, Mark Stafford-Smith, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia Anders Levermann, Potsdam Institute for Climate Impact Research (PIK), Germany
Partners	Australian National University, Australia University of Arizona, USA Acclimatise & Kings College, United Kingdom
Chair	Lilly Lim-Camacho, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia
Rapporteur	Nicole Glanemann, Potsdam Institute for Climate Impact Research (PIK), Germany
Presentations	<p>The role of decision tools in adapting value chains Mark Howden, Australian National University, Australia</p> <p>Climate disruptions in value chains: a case study Diana Liverman, University of Arizona, USA</p> <p>Climate resilience for SME value chains Laura Canevari, Acclimatise & Kings College, United Kingdom</p> <p>Zeean: a global perspective on supply chain disruption Anders Levermann, Potsdam Institute for Climate Impact Research (PIK), Germany</p> <p>Climate chains: supporting adaptation across food value chains Steven Crimp, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia</p>

15.15 – 15.45 Break



Round Table
15.45 – 17.30
Town Hall

RT 5 The road from Paris: closing the adaptation finance gap in vulnerable developing countries

Adapting to climate change is a huge challenge. Current funding levels fall short of what is needed. The new Paris climate agreement, emphasises the need for both public and private finance for adaptation. Despite new finance commitments, a paradigm shift is required to reach the scale needed. Scaling up finance for adaptation is a priority for the most vulnerable regions. This roundtable event will discuss the current state of finance for adaptation, and explore some of the possible pathways for post-Paris climate finance. Towards the end of the session, selected questions from the audience will be posed to the speakers.

Organised by Global Environment Facility (GEF)
Partners World Resources Institute (WRI)
Stockholm Environment Institute (SEI)
Ministry of Foreign Affairs, the Netherlands
Chair Saliha Dobardzic, Global Environment Facility (GEF)



Theme 2. Food, forestry and rural livelihoods
15.45 – 17.30
Goudriaan Room I

SC 2.6 Risk, vulnerability and resilience in climate change adaptation

Chair
Rapporteur

Mark Rounsevell, University of Edinburgh, United Kingdom
Tbd

Presentations

The adaptation-development spectrum in dryland East Africa: mapping risks and responses

Roger Few, University of East Anglia, United Kingdom

Developing drought resilience in irrigated agriculture in the face of increasing water scarcity

Dolores Rey, Cranfield University / Cranfield Water Science Institute, United Kingdom

Application of a triangular fuzzy AHP approach for flood risk evaluation: a case study
Satya Venkat Prasad, Mulakalapalli Gitam University, India

Comparison of wellbeing and vulnerability approaches for understanding climate change impacts

Irene Kunamwene, University of Cape Town, South Africa

Implications of inherent vulnerability for local adaptation in dryland agro-ecosystems
Darshini Ravindranath, University College London, United Kingdom



Theme 2. Food, forestry and rural livelihoods
15.45 – 17.30
New York Room

SC 2.10 Adapting farming systems to climate variability and change in Europe: the MACSUR experience

The session reports findings from a pilot action by the Joint Programming Initiative 'Agriculture, Food Security and Climate Change' (FACCE JPI) on the topic 'Modelling European Agriculture with Climate Change for Food Security' (MACSUR). MACSUR adopts transdisciplinary approaches and develops tools for integrated assessment of adaptation and mitigation options at regional and European scales. We present three integrated, multi-scale, regional assessments of adapting typical farming systems to climate change. These advanced model-based studies include ex-ante evaluation of a set of common sustainability indicators. In addition, we also present results on specific climate change adaptation options for crop and livestock.

Organised by Reimund Rötter, Natural Resources Institute Finland (LUKE), Finland
Floor Brouwer, Wageningen UR, the Netherlands
Martin Köchy, Thünen Institute, Germany

Partners Georg-August University Göttingen, Germany

Chair Reimund Rötter, Natural Resources Institute Finland (LUKE), Finland

Rapporteur Floor Brouwer, Wageningen UR, the Netherlands

Presentations

Introduction to MACSUR – methodology for integrated assessment
Reimund Rötter, Natural Resources Institute Finland (LUKE), Finland

Case 1: Integrated assessment of climate change mitigation and adaptation trade-offs in Austria
Martin Schönhart, Universität für Bodenkultur Wien, Austria

Case 2: More strategic farm management needed to adapt to climate change in the North Savo region
Heikki Lehtonen, Natural Resources Institute Finland (LUKE), Finland

Case 3: Winners and losers from climate change in agriculture: a case study in the Mediterranean basin
Gabriele Dono, University of Tuscia, Italy

Case 4: Adaptation of European dairy farms to climate change: a case study approach
Kairsty Topp, Scotland's Rural College, United Kingdom

Case 5: Design future climate-resilient barley cultivars using crop model ensembles
Tao Fulu, Natural Resources Institute Finland (LUKE), Finland



Theme 4. Public health

15.45 – 17.30

Leeuwen Room I

SC 4.3 Adapting to heat in South Asia

Chair Sari Kovats, London School of Hygiene and Tropical Medicine, United Kingdom

Rapporteur Tbd

Presentations

Heat waves, human health and adaptation: an empirical study in West Bengal, India
Jyotish Basu, West Bengal State University, India

Understanding the heat waves and its effects in Nagpur, India
Sathish LM, Indian Institute of Public Health, Gandhinagar India

Development and implementation of heat-health action plan in Ahmedabad: a success story
Priya Dutta, Indian Institute of Public Health Gandhinagar, India

Heat stress and human health: vulnerability of rural communities in dry semi-arid areas of India
Bhupali Mhaskar, Watershed Organization Trust, India



Theme 6. Disaster risk reduction

15.45 – 17.30

Antwerp Room

SC 6.7 Megacity transitions: towards justice with resilience

Large cities are at the forefront in efforts to build resilience in the face of multiple, interlinked threats. This session presents results from TRUC, a Belmont Forum funded analysis of Kolkata, Lagos, London, New York, and Tokyo to determine how far dominant development trajectories constrain vision and practice for disaster risk management. Presentations from each city will be followed by open discussion. Practitioner viewpoints, especially those from other cities are welcome.

Organised by Mark Pelling, King's College London, United Kingdom
William Solecki, City University of New York, USA

Partners Future Earth: coasts, Ireland
London Climate Change Partnership, United Kingdom

Chair Matthias Garschagen, United Nations University - Environment and Human Security, Germany

Rapporteur Joern Birkmann, University of Stuttgart, Germany

Presentations

Transformation and resilience in urban coasts
Mark Pelling, King's College London, United Kingdom

Comparative risk assessment
Joern Birkmann, University of Stuttgart, Germany

Development-risk relationships
Matthias Garschagen, United Nations University, Germany

Lagos	Julius Agboola, University of Lagos, Nigeria
Kolkata	Priya Narayanan, Anna University, Bangladesh
New York	Bill Solecki, City University of New York, USA
London	Mark Pelling, King's College London, United Kingdom



Issue 9. Institutions and governance

15.45 – 17.30

Zaal Staal

SC 9.3 Science and policy interfaces for adaptation

Chair

José A. Marengo, National Center for Monitoring and Early Warning of Natural Disasters (CEMADEN), Brazil

Rapporteur

Tbd

Presentations

Bringing together climate, science and policy in Latin America: a study of three cases
Harry Diaz, University of Regina, Canada

Do science-policy interfaces contribute to coordination of flood risk management strategies?

Dries Hegger, Utrecht University, the Netherlands

Towards more informed climate adaptation: ethics in stakeholder participation and decision-making

Mark Howden, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia

A systemic approach to developing responses to climate change

Laurent Bontoux, European Commission DG Joint Research Centre, Belgium

Assessing the effectiveness of multi-sector partnerships in the Jucar River Basin to manage droughts

Maria Carmona, Climate Service Center Germany (GERICS), Helmholtz Zentrum Geesthacht, Germany



Theme 1. Cities and infrastructure

15.45 – 17.30

Goudriaan Room II

PR 1.4 Managing flood risk 2.0 – the green revolution

Many cities are looking at how soft 'green' infrastructure can complement the hard 'grey' infrastructure they use to manage climate risks. This session will explain through case study presentations how five cities (Copenhagen, New York, Amsterdam, Rotterdam and London) have developed and are implementing city-scale green infrastructure programmes to manage flood risk and improve the quality of life of their residents. The presentations will reflect on the challenges and solutions of moving from pilots to large-scale delivery. After the presentations, the audience will be invited to explore these challenges in more depth through a world café style facilitated discussion.

Organised by

Alex Nickson, Greater London Authority, United Kingdom

Partners

Lykke Leonardsen, City of Copenhagen, Denmark

City of New York, USA

De Urbanisten Rotterdam, the Netherlands

City of Amsterdam, the Netherlands

Chair

Alex Nickson, Greater London Authority, United Kingdom

Rapporteur

Eveline Bronsdijk, City of Rotterdam, the Netherlands

Presentations

From plan to implementation, Copenhagen's Cloudburst Management plan

Lykke Leonardsen, City of Copenhagen, Denmark

New York City's green solutions to urban drainage and resilient neighbourhoods

Alan Cohn, City of New York, USA

Mainstreaming resilience: Climate Proof Zoho, Rotterdam and Amsterdam Rainproof programmes

Dirk van Peijpe, De Urbanisten, the Netherlands

Paulien Hartog, Amsterdam Rainproof, the Netherlands

London's sustainable drainage action plan

Alex Nickson, Greater London Authority, United Kingdom



Theme 3. Fresh water availability and access

15.45 – 17.30

Leeuwen Room II

PR 3.2 Implementing climate resilient water management projects to increase adaptive capacities, food security & avoid conflict over resources: examples from Thailand, India, the Netherlands and Spain

With climate changing, fresh water of good quality is becoming one of the most critical natural resources. This session will explore the following questions: (1) how do we develop towards a more resilient fresh water supply and more careful use of fresh water; (2) what are feasible measures and water management principles to increase adaptive capacities; (3) what are sustainable agriculture techniques to reduce water needs and (4) what is the role of communities and farmers in managing the water. These four questions will be addressed from four different cultural perspectives: examples from Thailand, India, the Netherlands and Spain.

Organised by	Aur�lie Ceinos, Programming – Climate change Adaptation, CARE France, France Jos� Miguel de Paz, Instituto Valenciano Investigaciones Agrarias-IVIA, Spain Steven Visser, Programme Manager Freshwater Climate Pilots, Delta Programme, Ministry of Infrastructure and the Environment, the Netherlands
Partners	Raks Thai & CISSD India, Thailand and India
Chairs	Aur�lie Ceinos, CARE, France Steven Visser, Delta Programme, the Netherlands
Rapporteur	Otto Cox, Delta Programme, the Netherlands

Presentations	Climate resilient water management at community level in Thailand and India Sarinthip Promrit, Raks Thai, Thailand or Bharati Joshi, CISSD, India Self-supporting freshwater availability along the coastal zones in the Netherlands Vincent Klap, Province of Zeeland, the Netherlands or Jouke Velstra, Acacia Water, the Netherlands Fresh water supply and water use in the Mediterranean: the Spanish approach Jos� Miguel de Paz, IVIA, Spain, in cooperation with Joost Delsman, Deltares, the Netherlands
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Issue 8. Risk assessment, adaptation planning and evaluation

15.45 – 17.30

Tokyo Room

PR 8.2 Integrated risk management: community evidence as a catalyst for adaptation policies and investments

Jointly analyse Integrated Risk Management (IRM) practice from the field and identify the roles played by civil society, private sector, government and scientists respectively in the various IRM case studies. On the basis of the lessons learnt identify outstanding joint challenges and issues for further research regarding the way Integrated Risk Management practices can positively feed the adaptation policy and -investment agenda at local, national, regional and global level.

Organised by	Margot Loof, Cordaid, the Netherlands
Partners	Care NL, the Netherlands Netherlands Red Cross Wetlands International Red Cross Climate Center
Chair	Lindsey Jones, Overseas Development Institute (ODI), United Kingdom
Rapporteur	Raimond Duijsens, Partners for Resilience International Secretariat, the Netherlands
Presentations	Philippines: addressing urban flood risks through Integrated Risk Management Sheryl C. Nolasco, the Barangay (village), Chief of Potrero in Malabon City (Metro Manila), Philippines Indonesia: IRM and rain water harvesting for sustainable agriculture on Timor Yohan Rahmal Santosa, KARINA (Caritas Indonesia) national office, Indonesia Uganda: IRM – linking the community resilience to district resilience Mogus Bekele, Cordaid, Uganda



Issue 9. Institutions and governance

15.45 – 17.30

Diamond Room I

PR 9.3 The best of both worlds: debating technical and participatory approaches for urban resilience

City governments often choose for investment in infrastructure to reduce disaster risk and strengthen resilience to climate change. Cordaid observes that while these solutions may be appropriate from a technical perspective their contribution to resilience of urban communities is often limited due to lack of real participation. The objective of this session is to gain more understanding of the benefits of participatory approaches in Urban resilience and integrating technical solutions. After presentations of case studies in both Indonesia and the Philippines participants will be invited to take a stand and join the debate via an interactive Lower House setting.

Organised by
Partners Inge Bouwmans and Inge Leuvenink, Cordaid, the Netherlands
City government of Guiuan, Philippines
KARINA, Caritas Indonesia, Indonesia

Chair
Rapporteur Inge Bouwmans, Cordaid, the Netherlands
Inge Leuvenink, Cordaid, the Netherlands

Presentations
A resilience framework for empowering communities and integrating technical solutions
Inge Leuvenink, Cordaid, the Netherlands
Government perspective on cooperation between government, private sector and communities for resilience in Guiuan, Philippines
Recti Melquiades, City Government Guiuan, Philippines
Challenges in engaging stakeholders in urban resilience in informal settlements in Jakarta
Yohan Rahmat Santosa, Karina, Caritas Indonesia, Indonesia



Theme 9. Institutions and governance

15.45 – 17.30

Penn Room II

PR 9.5 Pathways to resiliency: a co-creation workshop with experts from Rotterdam and New York City

Both extreme weather events and gradual climate change urgently require implementation of measures to create resilient cities. The next 15 years provide us with a window of opportunity to adapt since huge investments in city infrastructure will have to be made. Experiences over the past seven years show key success factors for implementation of multi-beneficial solutions. Real cases (Rotterdam, New York) show successes of multilevel governance, integrating bottom up and top down, capacity building, identifying moments of change and creating bankable opportunities. We challenge five cities to identify their biggest 'resilience challenge'. We will present proposals for the next steps in a Carrousel setting and challenge participants to contribute.

Organised by
Partners Gabrielle Muris, Rotterdam Centre for Resilient Delta Cities, the Netherlands
Pratt Institute, USA

Chair City of Rotterdam, the Netherlands
Arcadis, the Netherlands

Rapporteur Arnoud Molenaar, Rotterdam Centre for Resilient Delta Cities & City of Rotterdam, the Netherlands

Presentations Gabrielle Muris, Rotterdam Centre for Resilient Delta Cities, the Netherlands

Rotterdam and the implementation of water storage to deal with fluvial flooding
Eric Schellekens, Rotterdam Centre for Resilient Delta Cities & ARCADIS, the Netherlands
Capacity building by community involvement in resiliency planning and adaptation, case from Red Hook, Brooklyn NYC
Jaime Stein and Gita Nandan, Pratt Institute, USA
Setting the scene: introduction to the interactive part of the workshop
Arnoud Molenaar, Rotterdam Centre for Resilient Delta Cities, the Netherlands



Issue 10. Finance, investment and business

15.45 – 17.30

Penn Room I

PR 10.1 Climate change adaptation and SMEs – case studies from several parts of the world and different sectors

How can small and medium-sized enterprises in developing countries and emerging economies adapt to climate change while dealing with 'typical SME' challenges, e.g. short-term planning, resource constraints and limited technical expertise. This session will demonstrate a range of tools to build adaptation capacity in the private sector, including on awareness raising and on developing individual adaptation strategies. These tools have been developed and tested in the GIZ programme Strengthening Private Sector capacity to Adapt to Climate Change. The aim of the session is to engage with practitioners and researchers on private sector adaptation and to provide an overview on how small and medium enterprises can be supported in adapting to the impacts of climate change.

Organised by	Angelika Frei-Oldenburg, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany
Partner	INCAE Business School, Costa Rica
Chair	Angelika Frei-Oldenburg, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany
Rapporteur	Cosima Stahr, Adelphi, Germany
Presentations	Climate change adaptation and SMEs – Tools and methodologies
	Angelika Frei-Oldenburg, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany
	Cosima Stahr, Adelphi Germany
	SME case studies from developing countries
	Mohammed Rahoui, GIZ Morocco, Yussef Abu GIZ Bangladesh, Federico Corrales GIZ Costa Rica and respected companies
	Case studies from Central America
	María José Gutierrez, consultant for INCAE Business School and consultant for IntegraRSE, Central America



Issue 10. Finance, investment and business

15.45 – 17.30

New Orleans Room

PR 10.2 The emerging role of accountants in enabling organisational adaptation and resilience to a changing climate

Adaptation has significant financial and economic components, and accounting skills can play a vital role. This session addresses the role of an important and newly emerging actor in climate change adaptation: accountants. It identifies the contribution of accountants and other financial professionals to the adaptation agenda, and shows how to realise its full potential. Presenters will detail how accountants help organisations manage climate risks and opportunities and build organisational resilience. Presenters will share insights from (a) a multi-sectoral collaboration to build the capacity of Canadian accountants and (b) ground breaking Australian research.

Organised by	Gordon Beal, Research, Guidance and Support, Chartered Professional Accountants of Canada (CPA Canada), Canada Maya Fischhoff, Network for Business Sustainability, Canada Elizabeth Atkinson, Director of Strategic Partnerships, University of Waterloo / Natural Resources Canada
Partner	University of Queensland, Australia
Chair	Gordon Beal, Chartered Professional Accountants of Canada (CPA Canada), Canada
Rapporteur	Elizabeth Atkinson, University of Waterloo / Natural Resources Canada
Presentations	How accountants make adaptation happen
	Gordon Beal, Chartered Professional Accountants of Canada (CPA Canada), Canada
	How to build adaptation capacity in professions: a multi-sectoral approach
	Elizabeth Atkinson, University of Waterloo / Natural Resources Canada
	Asset impairment: accountants' road to adaptation
	Jac Birt, University of Queensland, Australia



Theme 1. Cities and infrastructure

15.45 – 17.30

Mees Auditorium

SP 1.2 Resilient cities connect: helping local implementation of the Sendai framework for disaster risk reduction

Many local governments aim to increase resilience of residents and businesses, but have trouble finding good data, the right partners, technical expertise and enough funding. The Resilient Cities Connect (RCC) platform matches demand and supply for products and services on Disaster Risk Reduction. The session aims to launch and improve the RCC platform to support local governments (>3000 members). Examples of how the platform works will be given in three presentations by: a local government; a non-commercial organisation; and a group of private partners. Subsequently, small groups will discuss goals and needs of local governments and the possibilities, mechanisms and benefits of the platform.

Organised by Partners	Sebastiaan van Herk, Bax & Willems, Spain UNESCO-IHE, the Netherlands UNISDR, Switzerland
Chair Rapporteur	Chris Zevenbergen, UNESCO-IHE, the Netherlands Ellen van Lindert, Ministry of Infrastructure and the Environment, the Netherlands
Presentations	Perspective from a local government H. Ahmad Dahlan, Batam, Indonesia Perspective from a non-commercial development partner Berry Gersonius, UNESCO-IHE, the Netherlands Perspective from a commercial development partner Naohiro Nishiguchi, JBP, Japan



Theme 1. Cities and infrastructure

15.45 – 17.30

Van Walsum Room

SP 1.4 Climate risk management and adaptation in ports

Ports are widely regarded as being highly vulnerable to the impacts of climate change while being critical gateways of international trade. The session explores challenges and opportunities generated by climate change in ports across the globe. It will start with a brief introduction about the broad range of climate risks faced by ports on the different aspects of their value chain. After this introduction, five case studies will be presented, introducing the audience to the different types of climate related risks that ports around the globe are subject to and the challenges of assessing and addressing these risks. The presentations will be followed by a moderated panel discussion.

Organised by Partners	Laura Canevari, Acclimatise, United Kingdom International Finance Corporation (IFC) Inter-American Development Bank (IDB), USA University of Rhode Island, USA AECOM, USA The Port of Rotterdam, the Netherlands
Chair Rapporteur	Laura Canevari, Acclimatise, United Kingdom Virginie Fayolle and/or Ernesto Monter Flores, Acclimatise, United Kingdom
Presentations	Introduction: climate risks across ports value chains Laura Canevari, Acclimatise, United Kingdom Climate change risk assessment and management for the Terminal Maritima Muelles el Bosque Vladimir Stenek, International Finance Corporation (IFC) Climate risks and adaptation plan for the Port of Manzanillo Joana Pascual and Ernesto Monter Flores, Inter-American Development Bank, USA Port of Providence Austin Becker, University of Rhode Island, USA Coastal resiliency strategies for the Port of Long Beach Claire Bonham-Carter, AECOM, USA Taking a port-city approach to resilience: the Port of Rotterdam Marc Eisma, Port of Rotterdam, the Netherlands



Theme 5. Ecosystems and ecosystem based adaptation

15.45 – 17.30

Rotterdam Hall

SP 5.3 Assessing ecosystem-based adaptation

Ecosystem-based adaptation (EbA) is said by its proponents to be a cost-effective, flexible and win-win approach to adaptation to climate variability and change that has the potential to deliver multiple development and environmental benefits. This session sets out to explore (i) the relevance and general applicability of EbA in broader adaptation processes in various contexts, and (ii) how scientific uncertainty, data constraints and technical complexity can be managed to successfully bridge the science-practice gap and help optimise the project design. An interactive discussion with practitioners and technical experts, drawing on case studies, will be followed by audience participation on these topics.

Organised by	Barney Dickson, United Nations Environment Programme (UNEP), Kenya Fareeha Y. Iqbal, Global Environment Facility (GEF), USA
Partners	United Nations Environment Programme, World Conservation Monitoring Centre (UNEP-WCMC), United Kingdom Conservation International, USA
Chair	Valerie Kapos, United Nations Environment Programme, World Conservation Monitoring Centre (UNEP-WCMC), United Kingdom
Rapporteur	David Hole, Conservation International, USA
Presentations	The role of long-term research in catalysing large-scale EbA investments Anthony Mills, C4 EcoSolutions, South Africa
	Advances in ecosystem-based adaptation and challenges for scaling up Imen Meliane, United Nations Development Programme (UNDP), Tunisia
	Reassessing Ecosystem-Based Adaptation Barney Dickson, United Nations Environment Programme (UNEP), Kenya



Issue 8. Risk assessment, adaptation planning and evaluation

15.45 – 17.30

Beurs Lounge

SP 8.2 Goals, targets and metrics: new ideas for tracking adaptation success in cities, forests, water, finance, and national planning

In this panel session, participants working in a variety of sectoral and cross-sectoral contexts will share perspectives on defining and tracking adaptation success. We aim to identify practical options to defining success and tracking progress, given climate uncertainty, long time horizons, and growing interest in transformational change. In order to identify tangible solutions for use by practitioners and policy-makers at national level or across scales (national-to-local), the session seeks to avoid focusing on broad conceptual frameworks, aggregate global indices, or narrow project-specific approaches. Instead we will look across sectors and adaptation planning contexts to find shared themes and promising methods for setting adaptation goals and tracking progress toward them.

Organised by	Heather M. Mcgray, World Resources Institute (WRI), USA
Partners	World Resources Institute, Brazil, China, Europe, India, Indonesia, USA Local Climate Adaptive Living Facility, UN Capital Development Fund, multiple least developed countries
Chair	Heather Mcgray, World Resources Institute (WRI), USA
Rapporteur	Ayesha Dinshaw, World Resources Institute (WRI), India
Presentations	Channel adaptation finance on budget to local governments Fakri Karim, Local Climate Adaptive Living Facility, United Nations Capital Development Fund (UNCDF), multiple countries
	Socio-economic indicators for building resilience in Rio de Janeiro Pedro Junqueira, Rio de Janeiro Center of Operations, Brazil
	Adaptation targets in Mexico's national climate plan Intended Nationally Determined Contributions (INDCs) Margarita Caso, National Institute of Ecology and Climate Change, Mexico



Issue 8. Risk assessment, adaptation planning and evaluation

15.45 – 17.30

Van Oldenbarnevelt Room

SP 8.12 Climate risk information for development, disaster risk reduction, and conservation

New paradigms are emerging for integrating climate information into conservation, disaster risk reduction, and sustainable development strategies. The session will present cutting-edge scientific approaches to developing and using climate risk information for development, conservation and disaster risk reduction practitioners. The Adaptation for Development and Conservation (ADVANCE) partnership between World Wildlife Fund and the Center for Climate Systems Research at Columbia University will provide case studies and approaches based on experience with stakeholders in Myanmar, Bhutan and Colombia. Case studies will also be presented by the BRACED programme, helping people become more resilient to climate extremes in the Sahel, East Africa and Asia. The session will identify opportunities and constraints, and share practices and lessons from the ADVANCE and BRACED countries on the application of climate risk information.

Organised by Cynthia Rosenzweig, NASA Goddard Institute for Space Studies and Columbia University, USA

Partners Center for Climate Systems Research, Earth Institute, Columbia University, USA
World Wildlife Fund, USA

Asian Disaster Preparedness Center, Thailand

Chair Anita van Breda, World Wildlife Fund, USA

Rapporteur Ryan Bartlett, World Wildlife Fund, USA

Presentations Stakeholder-driven climate risk information products for conservation, development and disaster risk reduction

Cynthia Rosenzweig, NASA Goddard Institute for Space Studies and Columbia University, USA

Climate services application experiences in BRACED Asian and African countries

Atiq Kainan Ahmed, Asian Disaster Preparedness Center, Thailand

Local perspectives on integrating climate risk information into resilience planning in Myanmar

Sai Nay Won Myint, Green Economy Officer, WWF Myanmar

Adaptation for development and conservation (ADVANCE) partnership: lessons from pilot projects in Myanmar, Bhutan and Colombia

Shaun Martin, World Wildlife Fund, USA



Issue 10. Finance, investment and business

15.45 – 17.30

Diamond Room II

SP 10.4 Adaptation as an innovation and market opportunity

Climate adaptation services are developed to disseminate and tailor climate information to users in order to help them to adapt to climate change. To develop useful climate adaptation services for public and private sector, strong collaboration between climate scientists, adaptation scientists and climate adaptation service providers (e.g. consultants) is crucial. This facilitated brokerage session aims at exploring what knowledge exchange is needed and how to enhance partnerships between science and consultancies engaged in the climate adaptation service market. The discussion will focus also on business models, intellectual properties and customers acquisition.

Organised by Petra Manderscheid, Joint Programming Initiative – Climate, Belgium
Partners DNV GL, Norway

Wageningen UR, the Netherlands

Danmarks Tekniske Universitet (DTU), Denmark

Chair Asun Lera St. Clair, Det Norske Veritas, Germanischer Lloyd (DNV GL), Norway

Rapporteur Alexandre Fernandes, JPI Climate, Belgium

Presentations SME classification, verification and technical assurance company supporting engineering

Bente Pretlove, Det Norske Veritas, Germanischer Lloyd (DNV GL), Norway

Medium-size consultant focusing on adaptation

John Firth, Acclimatise, United Kingdom

Small-size consultant

Simone Kongsbak, Smith Innovation, Denmark

Gail Whiteman, Erasmus University and World Business Council for Sustainable Development (WBCSD), the Netherlands (tbc)

17.30 – 19.00 Reception and poster session

19.00 – 22.00 Conference dinner (optional)

THURSDAY 12 MAY 2016

08.00 – 18.00	Registration
09.00 – 18.00	Adaptation Expo
08.45 – 10.30	Sessions
10.30 – 11.00	Break
11.00 – 12.45	Sessions
12.45 – 13.45	Lunch
13.45 – 15.30	Sessions
15.30 – 16.00	Break
16.00 – 17.30	Plenary



Round Table
08.45 – 10.30
Town Hall

RT 6 National Adaptation Planning

National adaptation planning can strengthen local adaptation responses and local actions can in turn inform national adaptation planning. This roundtable session will explore in what ways, and feature ongoing initiatives and experiences, and it will feature ongoing initiatives and experiences at the national, sectoral, and local levels that involve mainstreaming climate risk in planning and budgeting. Both good practice and examples of maladaptive practices will be discussed. Participants and audience members will discuss:

- Entry points in national and local plans and budgets for mainstreaming climate risk
- Prioritisation of adaptation actions
- Institutional challenges in coordinating between national, sectoral and local levels
- Transboundary issues, shift of risks
- Learning from each other and from mistakes

Speakers will include policymakers, practitioners and researchers from both developed and developing

Organised by DG Climate Action, European Commission
Moderator Pradeep Kurukulasuriya, United Nations Development Programme (UNDP)



Theme 1. Cities and infrastructure
08.45 – 10.30
Goudriaan Room I

SC 1.6 Designing a climate resilient future

Chair

David Dodman, International Institute for Environment and Development (IIED), United Kingdom

Rapporteur

Kathrin Merkelbach, Wageningen UR, the Netherlands

Presentations

How can design contribute to climate adaptation? Analysis of an international design workshop

Jeroen de Waegemaeker, Institute for Agricultural and Fisheries Research (ILVO) / University of Antwerp (UA), Belgium

Rebuild by Design: implementation of green infrastructure for flood resiliency in Hoboken

Robert Sakic Trogrlic, UNESCO- IHE, the Netherlands

Design of floating developments based on ecology and living systems principles

Barbara Dal Bo Zanon, Deltasync, the Netherlands

Floating Finsbury: a costed case study for floating amphibious construction in suburban Brisbane

Samuel Bowstead, James Davidson Architect/The University of Queensland, Australia

How can green infrastructure serve as adaptation option in low land areas? Case study: Makassar City

Praditya Adhitama, University of Twente, the Netherlands



Theme 2. Food, forestry and rural livelihoods
08.45 – 10.30
New York Room

SC 2.9 New climate change and food system assessments: coordinating global and regional scales

Food security is one of the most prominent areas of scientific inquiry and popular concern related to climate change's potential to disrupt society. This session focuses on new directions in food system assessments including integration across global and regional scales, linkages to nutrition and health, and sustainable agriculture. Impacts of extreme events will be explored on both biophysical and socioeconomic aspects. Opportunities for participation and collaboration in AgMIP and other projects and programmes will be shared in the discussion.

**Organised by
Partners**

Cynthia Rosenzweig, NASA Goddard Institute for Space Studies (NASA GISS), USA
The Agricultural Model Intercomparison and Improvement Project, USA
Modelling European Agriculture with Climate Change for Food Security, EU
Jean-Francois Soussana, Institut National de la Recherche Agronomique, France
Delphine Deryng, University of Chicago & Goddard Institute for Space Studies, USA

**Chair
Rapporteur****Presentations**

Towards a new food system assessment: AgMIP coordinated global and regional integrated assessments of climate change and food security
Cynthia Rosenzweig, NASA Goddard Institute for Space Studies (NASA GISS), USA
Global economic models: up- and down-stream linkages
Dominique van der Mensbrugghe, Purdue University, USA
Interactions of mean climate change and climate variability Increase risk of food security extremes
Alexander Ruane, NASA Goddard Institute for Space Studies, USA

**Theme 4. Public health****08.45 – 10.30****New Orleans Room****SC 4.4****Climate risks for infectious diseases****Chair
Rapporteur**

Kristie Ebi, University of Washington, USA
Valerie Eijrond, Wageningen UR, the Netherlands

Presentations

Multiple stressors: household vulnerability to schistosomiasis and climate change in rural Gwanda
Alexio Mbereko, University of South Africa, South Africa
Climate change effect on malaria treatment cost among farmers' households in Bole district, Ghana
Komlagan Yao, WASCAL, Togo
A global analysis of the climate sensitive disease: systematic review
Tatiane Sousa, National School of Public Health, Oswaldo Cruz Foundation/FIOCRUZ, Brazil
Global climate change – New challenges to public health
Nanuli Ninashvili, Tbilisi State Medical University, Georgia
Understanding health in the face of global change: towards a vulnerability framework
Sarah Dickin, Stockholm Environment Institute (SEI), Sweden

**Theme 5. Ecosystems and ecosystem based adaptation****08.45 – 10.30****Zaal Staal****SC 5.4****Building the knowledge base for ecosystem based adaptation****Chair
Rapporteur**

Pam Berry, Oxford University, United Kingdom
Tbd

Presentations

Better Wetter: linking spatial adaptation to regional transitions
Eddy Wymenga, Altenburg & Wymenga ecological consultants, the Netherlands
Selecting climate resilient tree species for forest restoration in the Himalayan region of Nepal
Keshav Prasad Khanal, WWF Nepal Program, Nepal
A theoretical research review of forest law and customs in Bangladesh as local adaptation practices
Shaila Shahid, Gender and Water Programme, Gender and Water Alliance, Bangladesh
Building adaptation among fringe communities along the Atiwa Forest in an era of climate change
Timothy Apeanti, University of Ghana, Ghana
Vulnerability of an eastern Himalayan landscape due to anthropogenic and climatic disturbances
Surajit Baruah, Independent Freelance Consultant, Environment & Development, India

**Issue 8. Risk assessment, adaptation planning and evaluation****08.45 – 10.30****Van Oldenbarnevelt Room****SC 8.1****Risk management and risk perception****Chair
Rapporteur**

André Jol, European Environment Agency (EEA), Denmark
Tbd

Presentations

A regional approach to assess transportation infrastructure vulnerability to extreme weather events
Mark Abkowitz, Vanderbilt University, USA
Knowledge gaps in risk management for critical infrastructure: insights from four case-studies
Trond Husby, TNO, Netherlands Organisation for Applied Scientific Research, the Netherlands
Iterative climate risk management for taking adaptation to the next level? Insights from Austria
Thomas Schinko, International Institute for Applied Systems Analysis (IIASA), Austria

Risk perception as a driver for risk management policies
 Maria Carmona, Climate Service Center Germany (GERICS) Helmholtz Zentrum
 Geesthacht, Germany

Significance of perceptions to climate variability when designing local adaptation
 interventions
 Suchita Awasthi, Watershed Organisation Trust, India



Issue 8. Risk assessment, adaptation planning and evaluation

08.45 – 10.30

Mees Auditorium

SC 8.8

Adaptation pathways and maladaptation

Chair
 Rapporteur

Sebastian Vicuña, Pontificia Universidad Católica de Chile, Chile
 Tbd

Presentations

Towards a (re)conceptualising of maladaptation in policy and practice
 Lindsey Jones, Overseas Development Institute (ODI), United Kingdom

Evaluating the priming of adaptation pathways governance in Indonesia
 James Butler, Commonwealth Scientific and Industrial Research Organisation (CSIRO),
 Australia

Envisioning robust climate change adaptation futures for coastal regions
 Tom van der Voorn, Institute of Environmental Systems Research, Germany

Using sea level rise projections with adaptation pathways in the Torres Strait –
 a practice case study
 Rohan Hamden, Rohan Hamden & Associates, Australia

Development pathways as a lens to understand adaptation, maladaptation and
 maldevelopment
 Chandni Singh, Indian Institute for Human Settlements, India



Issue 8. Risk assessment, adaptation planning and evaluation

08.45 – 10.30

Beurs Lounge

SC 8.9

Use and usability of climate information in adaptation planning

Chair
 Rapporteur

Roger Street, UK Climate Impacts Programme (UKCIP), United Kingdom
 Tbd

Presentations

Climate projections: the missing link of regional and local adaptation processes?
 Sandrine Dhenain, TEC Conseil, France

Understanding the value of seasonal climate forecasts for agriculture: a Devon, UK case
 study
 Marta Soares, University of Leeds, United Kingdom

Comparing the decision-relevance of alternative ensembles of climate information
 Robert Lempert, RAND, USA

The identification of threshold-specific changes in local climate for risk assessment and
 adaptation
 David Stainforth, London School of Economics and Political Science, United Kingdom

Interactive visualisation of climate impacts, an interactive session
 Luuk Masselink, Wageningen UR, the Netherlands



Issue 9. Institutions and governance

08.45 – 10.30

Tokyo Room

SC 9.6

Climate adaptation goes global

Chair
 Rapporteur

Jochen Hinkel, Global Climate Forum, Germany
 Tbd

Presentations

Climate adaptation and world markets: governance implications of indirect climate
 impacts
 Åsa Persson, Stockholm Environment Institute (SEI), Sweden

Does it matter what you call it? Reflections on voluntarily corporate adaptation
 disclosure
 Karoliina Isoaho, University of Helsinki, Finland

Standards as a form of adaptation governance
 Asun Lera St. Clair, DNV GL, Norway

Intolerable risks of climate change and the debate on loss and damage under the
 UNFCCC
 Gregor Vulturius, Stockholm Environment Institute (SEI), Sweden

We now have sustainable development goals; should we also have adaptation goals?
 Ian Noble, Monash University, USA



Issue 9. Institutions and governance

08.45 – 10.30

Rotterdam Hall

SC 9.8 New governance challenges for climate adaptation: comparative perspectives on inclusive policy tools for multi-scalar risk management

Recent climate change adaptation efforts increasingly recognise the multi-scalar nature of climate risks and responses. Drawing on case studies from North America, Latin America, and Asia, this focused science session examines new knowledge on the inclusiveness, equity, and justice dimensions of these emerging risk management techniques and strategies. This session primarily draws on insights from the water sector – which include floods, droughts, and coastal zone management – and theorises new instruments for inclusive development that address climate risks across multiple levels of governance, integrating urban, rural, as well as national level adaptation options.

Organised by Joyeeta Gupta, University of Amsterdam, the Netherlands
Partners University of Regina, Canada
 European Association of Development Institutes, Germany
Chair Joyeeta Gupta, University of Amsterdam, the Netherlands
Rapporteur Eric Chu, University of Amsterdam, the Netherlands

Presentations Adaptive governance: redesigning policy instruments using the Adaptive Capacity Wheel in Canada, Chile and Argentina
 Margot Hurlbert, University of Regina, Canada
 Governing coastal disaster risk reduction in Indonesia and India: comparative perspectives of engineered infrastructure and nature-based solutions
 Annisa Triyanti, University of Amsterdam, the Netherlands / Gadjah Mada University, Indonesia
 Urban climate adaptation, infrastructure planning, and socio-spatial (in)justice in the global south
 Eric Chu, University of Amsterdam, the Netherlands



Issue 9. Institutions and governance

08.45 – 10.30

Oscar Auditorium

SC 9.9 Exploring spatial planning as a means to deal with flood risks: comparing experiences in the face of institutional differences between the US and the Netherlands

Climate change policy arrangements often emphasise large-scale flood protection facilities at the expense of more diffuse, spatially oriented and/or private-actor driven developments such as adaptation-oriented spatial planning and climate change-related risk awareness in policies and plans of corporations and citizens. This session sets out to enable an exchange of experiences in dealing with the (potential) tension between top-down, 'high-tech' solutions and bottom-up, formally less articulate approaches to climate adaptation. Two accounts of local, practical experiences form the basis for a reflective conversation between scholars and practitioners on the relation between institutional setting and policy design in climate adaptation.

Organised by Anne Loeber, University of Amsterdam, the Netherlands
 Paul Kirshen, University of Massachusetts Boston, USA
Partners Municipality of Dordrecht, the Netherlands
 ORG-ID, the Netherlands
Chair Anne Loeber, University of Amsterdam, the Netherlands
Rapporteur Robert de Graaff, ORG-ID, the Netherlands

Presentations Creating a workable climate resiliency planning model for East Boston for low-income communities
 Paul Kirshen, School for the Environment, University of Massachusetts, USA
 Managing adaptive responses to changing flood risks in Dordrecht: creating options for spatial adaptation
 Ellen Kelder, Municipality of Dordrecht, the Netherlands



Issue 9. Institutions and governance

08.45 – 10.30

Diamond Room II

SC 9.12 Local governance of adaptation in urbanising cities

As cities worldwide expand, and climate change intensifies and accelerates, the need to understand opportunities and challenges for adaptation and risk management increases at multiple scales. With contrasting governance and financial regimes, institutional contexts, and organisational landscapes within which decisions are made, the significance of the local tier of government is becoming more pertinent in the face of power differentials, responsibility devolution and resource limitations. With presentations covering North America, The Caribbean, Europe and Africa, the objective of this session is to enable the exploration of practical solutions that not only capture risk but enable reflection and learning in changing environments.

Organised by Shona Paterson, King's College London, United Kingdom
Partner University of South Florida, USA
Chair Mark Pelling, King's College London, United Kingdom
Rapporteur Shona Paterson, King's College London, United Kingdom

Presentations

Understanding adaptive capacity in contrasting risk management regimes
 Shona Paterson, King's College London, United Kingdom

Adapting to risk under austerity: case studies from Europe and the Caribbean
 Arabella Fraser, King's College London, United Kingdom

Urban Africa: risk knowledge and governance for risk reduction and adaptation
 Hayley Leck and Mark Pelling, King's College London, United Kingdom

Opportunities for and challenges to social learning in community response to flood hazards
 Åsa Gerger Swartling, Stockholm Environment Institute (SEI), Sweden



Issue 10. Finance, investment and business

08.45 – 10.30

Antwerp Room

SC 10.1 Finance for adaptation

Chair Åsa Persson, Stockholm Environment Institute (SEI), Sweden
Rapporteur Tbd

Presentations

Private finance for adaptation: what does it mean in practice?
 Mark Redwood, International Development Research Centre, Canada

International adaptation finance: why the numbers don't add up and what to do about it
 Romain Weikmans, Brown University, USA

Financing tools for urban adaptation to climate change impacts

Alexia Leseur, Institute for Climate Economics (I4CE), France

Private sector investments in a changing climate: resilient rice value chain development in Uganda

Angie Dazé, International Institute for Sustainable Development (IISD), Switzerland

Mobilising private adaptation finance: developed countries' perspectives and experiences

Pieter Pauw, German Development Institute, Germany



Theme 1. Cities and infrastructure

08.45 – 10.30

Goudriaan Room II

PR 1.5 Unlocking opportunities from leadership for Resilient Cities: how to make changes happen

Successful adaptation involves champion leaders to initiate change. The roles of leadership and support from trusted advisors are essential to navigate the changes through political acceptance and on to the delivery of outcomes and impact. The session aims to demonstrate effective leadership practices to initiate and catalyse changes for resilient cities in developed and developing countries. The exchange of leadership practices from ten participating cities will focus on sharing effective ways to 1) drive change for adaptation in cities, 2) foster City-to-City learning (multiply and scale out resilience programmes to other cities), and 3) support leadership development for sustainability and resilience in cities. The session will be prepared in a two-day workshop with ten cities immediately before the Conference.

Organised by Chris Zevenbergen, UNESCO-IHE, the Netherlands
Partners City of Rotterdam, the Netherlands

TransformationFirst.Asia
 Rockefeller Foundation, USA

Asian Development Bank (ADB)

Chair Chris Zevenbergen, UNESCO-IHE, the Netherlands
Rapporteur Berry Gersonius, UNESCO-IHE, the Netherlands

Presentations

Sustainability & resilience leaders (CRO's) from three cities, selected from ten cities, which have participated in a two-day Workshop on Leadership for Resilient Cities, tentatively planned for 8-9 May ahead of the Conference

A panel comprising CRO's of the remainder seven cities will reflect on the presentations. The ten cities are: Mexico City (Mexico), Bristol (United Kingdom), Durban (South Africa) New Orleans (USA), Rotterdam (the Netherlands), Colombo (Sri Lanka), Malang (Indonesia), Can Tho (Vietnam), Batam (Indonesia), Barcelona (Spain)



Issue 9. Institutions and governance

08.45 – 10.30

Leeuwen Room I

PR 9.1 Water governance in peri-urban South Asia: impact of urbanization and climate change

Both urbanisation and climate change have exerted pressure on the availability and access of water. To add to this, the peri-urban areas are often subject to institutional neglect by the state. The objective of the session is to sensitize the participants to the peri-urban dimensions of water governance. Drawing from the case studies from Bangladesh, India and Nepal, the session will expose the participants to different theoretical frameworks for studying peri-urban processes and highlight the important of adaptive governance for the effective management of climate change and urbanization in peri-urban spaces to ensure water security.

Organised by	Anamika Barua, SaciWATERs, India
Partners	Dik Roth, Wageningen UR, the Netherlands Bangladesh University of Engineering and Technology (BUET), Bangladesh International Centre for Integrated Mountain Development (ICIMOD), Nepal
Chair	Dik Roth, Wageningen UR, the Netherlands
Rapporteur	Anushiya Shrestha, Wageningen UR, the Netherlands
Presentations	Impact of climate change on social relations and policy choices to ensure water security in peri-urban Khulna, Bangladesh Shah Alam Khan, Institute of Water and Flood Management (IWFM), Bangladesh, University of Engineering and Technology (BUET) Dhaka, Bangladesh Emerging patterns of water insecurity due to climate change and urbanization in peri-urban areas of Kathmandu Valley, Nepal Philippus Wester, Water Resources Management, ICIMOD Kathmandu, Nepal SaciWATERs, Hyderabad, Water (in) security and institutional conflicts at different levels in peri-urban Hyderabad, India Anamika Barua, SaciWATERs, Hyderabad, India



Theme 9. Institutions and governance

08.45 – 10.30

Van Walsum Room

PR 9.6 Standards for adaptation of infrastructures to climate change

The session covers the role of technical standards in making infrastructures resilient to climate change. As technical standards (ISO (worldwide), EN (European) and national standards) are used in every phase during the lifetime cycle of an infrastructure, these are a key issue in the EC strategy on climate change adaptation. In this interactive session we will show two practical examples of how existing standards can support climate change adaptation. After this, we will highlight which climate effects are likely to be relevant for infrastructures in the building, energy and transport sector, and which corresponding standards appear to be most relevant.

Organised by	Netherlands Standardization Institute (NEN)
Partners	CEN/ CENELEC (European umbrella-organisation for standardization)
Chair	Ab de Buck, NEN, consultants standards and sustainability, the Netherlands
Rapporteur	Caroline van Hoek, Netherlands Standardization Institute (NEN)
Presentations	Examples of adapting buildings to climate change: The role of standardisation Annet van der Horn, consultant standards in the building sector Adapting infrastructures in the energy, building and transport sector to climate change Potential gaps between existing standards and future weather effects Interactive session



Theme 3. Fresh water availability and access

08.45 – 10.30

Leeuwen Room II

SP 3.1 Experiences with practical tools and interactive methods to enhance community resilience to droughts

In East Africa population growth and climate change pose challenges to accessing fresh water for domestic and agricultural uses. Experiences in practice and research show that small scale measures in water management are viable ways to improve livelihoods and agricultural production, and make communities more resilient. We will explore how to use available tools, approaches and insights to improve application and effectiveness of small scale measures. Practitioners and researchers share experiences in using global and local information, stakeholder and research approaches. We will foster an interactive discussion with the audience about the agenda on small scale measures for the coming years.

Organised by Ralph Lasage, Institute for Environmental Studies (IVM), VU University Amsterdam, the Netherlands

Partners Cordaid regional office Horn of Africa, Ethiopia
Acacia Water, the Netherlands

Chair Arjen de Vries, Acacia Water, the Netherlands

Rapporteur Paul Hudson, Institute for Environmental Studies (IVM), VU University Amsterdam, the Netherlands

Presentations Applying regional models to assess the change in occurrence and impact of drought in East Africa

Ted Veldkamp, Institute for Environmental Studies (IVM), VU University Amsterdam, the Netherlands

Experiences with suitability mapping of small scale and water buffering measures in Kenya, Uganda and Zimbabwe, as input for DRR decision making

Arjen de Vries, Acacia Water, the Netherlands

Evaluation of catchment wide effects of climate change and large scale implementation of water buffering in Ethiopia

Ralph Lasage, Institute for Environmental Studies (IVM), VU University Amsterdam, the Netherlands

Combining stakeholder priorities and inputs from suitability maps to identify and prioritise suitable water management measures: examples from Ethiopia

Moges Bekele, Cordaid regional office Horn of Africa, Ethiopia



Issue 8. Risk assessment, adaptation planning and evaluation

08.45 – 10.30

Diamond Room I

SP 8.11 Measuring resilience of adaptation interventions and beyond

The objective is to share, get feedback and stimulate discussion on the latest resilience measurement thinking, the scaling up and out of these measures, and how this might shape the programme logic of future adaptation relevant interventions, and related M&E endeavours.

The ongoing STAP GEF work on resilience and the Resilience, Adaptation Pathways and Transformation Assessment (RAPTA) framework, the World Bank's approach to the M&E of resilience at the project level, the bottom-up approach of ODI with a focus on subjective household resilience measurement, and lastly UKCIPs focus on transformational adaptation and the capacities needed to support it will be discussed.

Organised by Dennis Bours, Global Environment Facility's Independent Evaluation Office (GEF IEO), USA

Partners Scientific and Technical Advisory Panel of the Global Environment Facility (STAP GEF), USA

The World Bank, Climate Change Policy Team, USA

Overseas Development Institute (ODI), United Kingdom

UK Climate Impacts Programme (UKCIP), United Kingdom

Chair Anna Viggh, Global Environment Facility's Independent Evaluation Office (GEF IEO), USA

Rapporteur Dennis Bours, Global Environment Facility's Independent Evaluation Office (GEF IEO), USA

Presentations Approaches and indicators for measuring adaptation and resilience, including process indicators, linking across scale and applications of the Resilience, Adaptation Pathways and Transformation Assessment (RAPTA) Framework

Anand Patwardhan, Scientific and Technical Advisory Panel of the Global Environment Facility (STAP GEF), USA

Monitoring and evaluation of resilience at the project level

Nathan Engle, The World Bank, Climate Change Policy Team, USA

Measuring subjective resilience: outlining a complementary approach to resilience measurement

Lindsey Jones, Overseas Development Institute (ODI), United Kingdom

Transformational adaptation to address systemic, fundamental changes through experimentation, innovation and learning histories

Patrick Pringle, UK Climate Impacts Programme (UKCIP), United Kingdom



Issue 9. Institutions and governance

08.45 – 10.30

Penn Room I

SP 9.4 Connections and disconnections between national and local agendas and aspirations for climate adaptation and development

People in rural and peri-urban communities in semi-arid regions face many barriers in adapting to increasing uncertainty. This session intends to provide a platform for researchers, practitioners and decision makers to discuss the opportunities for strengthening the interface between climate-resilient national development strategies and local adaptation pathways to enable more widespread and effective responses to climate change that improve the wellbeing of the most vulnerable. Using case studies from PRISE (Pathways to Resilience in Semi-arid Economies) and ASSAR (Adaptation at Scale in Semi-Arid Regions), the focus will be on ways in which national and local priorities in Africa and Asia interact. Presentations will be followed by a discussion where participants can reflect on a series of questions bringing in their own experiences and knowledge.

Organised by Mark New, African Climate & Development Initiative, University of Cape Town, South Africa

Eva Ludi, Overseas Development Institute (ODI), United Kingdom

Partners University of Ghana, Ghana
Oxfam GB, United Kingdom
START, USA
ICRISAT, Burkina Faso

Indian Institute for Human Settlement, India

Watershed Organisation Trust, India

University of East Anglia, United Kingdom

Chair Blane Harvey, Overseas Development Institute (ODI) Canada / United Kingdom

Rapporteurs Sumetee Pahwa Gajjar, Indian Institute for Human Settlement, India

Irene Kunamwene, University of Cape Town, South Africa

Presentations Adaptation opportunities through upgrading and diversifying cotton and beef value chains in Pakistan, Burkina Faso, Senegal, Tanzania and Kenya
Elizabeth Carabine, Overseas Development Institute (ODI), United Kingdom
Rural-urban linkages in semi-arid regions of India
Sumetee Pahwa Gajjar, Indian Institute for Human Settlement, India
Fostering an enabling environment for private sector adaptation: insights from Senegal
Florence Crick, Grantham Research Institute on Climate Change and the Environment, United Kingdom
Adaptation challenges under agricultural intensification in Northern Ghana
Jon Padgham, START, USA and Edmond Totin, ICRISAT, Burkina Faso



Issue 9. Institutions and governance

08.45 – 10.30

Penn Room II

SP 9.5 Implementing OECD Principles on Water Governance: building trust and engagement for climate adaptation and disaster risk reduction

Water related challenges of adapting to climate change require contextualized responses rooted in good water governance. The Organisation for Economic Cooperation and Development (OECD), has adopted Principles on Water Governance providing a conceptual framework for policies and programmes that help meeting these challenges. The session will identify promising approaches for adaptive water governance as well as benchmarking indicators that link the implementation of the principles to building climate resilience. After an introduction to the OECD principles on water governance, various country cases will be briefly presented showing the relevance of different principles as building blocks for good policies in different contexts. Participants will be invited to join case inspired thematic round table groups to debate the potential benefits of using the OECD principles as a common framework.

Organised by Teun Bastemeijer, Water Integrity Network Association (WINeV), Berlin, Germany
Miranda Mens, Flood Protection Programme (HWBP), the Netherlands

Rob Uijterlinde, Dutch Regional Water Authorities (DWA), the Netherlands

Partners OECD-Water Governance Initiative Secretariat, France
Global Water Partnership, Sweden (International Secretariat), and national Water Partnerships various countries (Congo-Kinshasa, Colombia, Namibia, Pakistan and Philippines)

International Water Management Institute (IWMI), Sri Lanka (Headquarters), South Africa (Regional Office), Nepal (Programme office)

Chair Peter Glas, OECD Water Governance Initiative, the Netherlands

Rapporteur Teun Bastemeijer, Water Integrity Network Association (WINeV), the Netherlands

Presentations OECD principles: building blocks for cooperation and learning for climate adaptation and disaster risk reduction

Aziza Akhmouch, Organisation for Economic Cooperation and Development (OECD), France

Applying and monitoring OECD principles in the Netherlands (Dutch Delta Programme, Flood Protection Programme)

Richard Jorissen, Flood Protection Programme (HWBP), the Netherlands

Country case: water basin governance in South Africa

Aril Singh, Ministry of Water and Sanitation, South Africa

Country case: GOWIN partnership focusing the Awash Basin in Ethiopia

Getachew Gizaw, Awash Basin Authority, Ethiopia

Thematic cases: comparative synthesis on adaptive integrated water management in urban areas build on cases of Kinshasa (Democratic Republic of Congo), Cali (Colombia), Windhoek (Namibia), Karachi (Pakistan) and Manila (Philippines)

François Brikké, Global Water Partnership Secretariat, Sweden/International

10.30 – 11.00 Break



SC 1.3

Chair
Rapporteur

Presentations

Theme 1. Cities and infrastructure

11.00 – 12.45

Leeuwen Room II

Regional perspectives on vulnerability and adaptation

Darryn McEvoy, RMIT University, Australia
Tbd

Bridging adaptation to climate change across city scales in Kampala
Shuaib Lwasa, Makerere University, Uganda
Understanding the vulnerability of poor migrants: a comparison of two different sized cities
Mohammad Sarker, University of Sheffield, United Kingdom
A reality check for urban resilience research
Aditya Bahadur, Overseas Development Institute (ODI), United Kingdom
Urban vulnerability assessment to climate change in the Concepción Metropolitan Area, Chile
Dahyann Araya Muñoz, University of Edinburgh, United Kingdom
Working with local actors on ecosystem-based adaptation of vulnerable delta-city
Beira, Mozambique
Robbert Snep, Wageningen UR, the Netherlands



SC 1.7

Organised by
Partners

Theme 1. Cities and infrastructure

11.00 – 12.45

Goudriaan Room I

Devising solutions to adaptation challenges in cities

Being home to half of humanity and concentrating most of the global economic activities and assets, cities are particularly vulnerable to climate change impacts. Efforts to adapt to those impacts, however, face a combination of spatial, institutional, economic and social challenges calling for innovative solutions spanning across sectoral and disciplinary boundaries. This session will explore the causes of and the potential solutions for overcoming these challenges from a range of perspectives: from flood risk management, economic modelling, vulnerability mapping, to spatial planning, and stakeholder engagement. Drawing comparisons between cases from across the world, this science-to-practice session will engage the audience in a dialogue on how scientific research can effectively support and inform urban adaptation strategies.

Marcin Dabrowski, Dominic Stead, Delft University of Technology, the Netherlands
Municipality of Rotterdam, the Netherlands

Chair	Peter van Veelen, Municipality of Rotterdam / Delft University of Technology, the Netherlands
Rapporteur	Marcin Dabrowski, Delft University of Technology, the Netherlands
Presentations	<p>Benchmarking coastal flood risk management practice in two Chinese Delta's megacities, the cases of Hong Kong and Ningbo Faith Chan, University of Nottingham Ningbo, China</p> <p>Challenges of adaptation to the increasing flood risk in cities: lessons from the Pearl River Delta Marcin Dabrowski, Delft University of Technology, the Netherlands</p> <p>Adaptation strategies to the raising sea level in Los Angeles county Lars de Ruig, Hans de Moel and Jeroen Aerts, Institute for Environmental Studies (IVM), VU University Amsterdam, the Netherlands</p> <p>What is participatory planning for climate change adaptation? Do we need it? Do we have time for it? Vanessa Castan Broto, University College London, United Kingdom</p> <p>Options for tackling obstacles experienced by construction companies who are willing to innovate and incorporate adaptation in their construction projects Marco Hoogvliet, Deltares, the Netherlands</p> <p>Hotterdam: the health and land-use implications of the Rotterdam urban heat island Frank van der Hoeven, Delft University of Technology, the Netherlands</p>



Theme 2. Food, forestry and rural livelihoods

11.00 – 12.45

Goudriaan Room II

SC 2.1 New methods in modelling climate change impacts and adaptation

Chair	Mark Rounsevell, University of Edinburgh, United Kingdom
Rapporteur	Tbd

Presentations	<p>Livestock system transitions as an adaptation strategy for agriculture Isabelle Weindl, Potsdam Institute for Climate Impact Research (PIK), Germany</p> <p>Integrated assessment of high-end climate change on land and water sectors Paula Harrison, University of Oxford, United Kingdom</p> <p>Modelling adaptation strategies for Swedish forestry under climate and global change Victor Blanco, University of Edinburgh, United Kingdom</p> <p>Lidar and rice agriculture: flood modelling and farmer participation for adaptation John Colin Yokingco, The Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk Management Foundation Inc., Philippines</p> <p>Climate change effects on agriculture. Trends in 2100-production for the Mexican region of Tabasco Melania Michetti, Euro-Mediterranean Centre on Climate Change (CMCC), Italy</p>
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Theme 2. Food, forestry and rural livelihoods

11.00 – 12.45

New York Room

SC 2.5 Governance, barriers and conflict in climate change adaptation

Chair	Pramod Aggarwal, Research Program on Climate Change, Agriculture and Food Security (CGIAR), International Water Management Institute, India
Rapporteur	Tbd

Presentations	<p>Community based adaptation as a source of conflict: the Adaptation Learning Programme (ALP) in Ghana Sebastiaan Soeters, Utrecht University, the Netherlands</p> <p>Differentiated impact of barriers to adaptation: climate change adaptation in rural Ethiopia Azeb Assefa Mersha, Utrecht University, the Netherlands</p> <p>Climate change perceptions and barriers to adaptation among drought prone farmers in India Architesh Panda, International Rice Research Institute, Philippines</p> <p>Climate smart agriculture: identifying barriers to adoption Anita Wreford, Scotland's Rural College (SRUC), United Kingdom</p>
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Theme 4. Public health

11.00 – 12.45

Leeuwen Room I

SC 4.5 Impacts on health in a changing environment

Chairs	Sari Kovats, London School of Hygiene and Tropical Medicine, United Kingdom Leendert van Bree, PBL Environmental Assessment Agency / Utrecht University, the Netherlands
Rapporteur	Alexander Stubbings, International Centre for Climate Change and Development (ICCCAD), United Kingdom

Presentations	<p>Updated evidence about the health effects of climate change in the WHO European region Tanja Wolf, World Health Organization (WHO), Germany</p> <p>Drinking water salinity associated health crisis in coastal Bangladesh Mahin Al Nahian, International Centre for Diarrhoeal Disease Research, (ICDDR), Bangladesh</p>
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Climate threats and health impacts in informal urban settlements: enhancing community resilience
 Stefano Moncada, University of Malta, Malta

Climate change: addressing heat-health vulnerability in rapidly urbanizing regions of Western India
 Priya Dutta, Indian Institute of Public Health University, India

The effects of climate change on health: risk assessment for the Dutch National Adaptation Strategy
 Dieneke Schram, National Institute for Public Health and the Environment, the Netherlands



Theme 5. Ecosystems and ecosystem based adaptation

11.00 – 12.45

Zaal Staal

SC 5.2

Ecosystem management for nature protection and climate adaptation

Chair
 Rapporteur

Mandy Barnett, South African National Biodiversity Institute, South Africa
 Olaf Meynecke, Griffith University, Australia

Presentations

Effectiveness of local sand nourishment for safety and ecosystem preservation
 Matthijs Boersema, HZ University of Applied Sciences, the Netherlands

Adaptation in dryland ecosystems: sivopastoral farmer led initiatives in semi-arid region of Pakistan
 Sahibzada Irfanullah Khan, Sustainable Land Management Programme to Combat Land Degradation and Desertification in Pakistan, Pakistan

Adapting communities to climate change vulnerabilities: case of Mweru-Luapula fishery, Zambia
 Noah Chongo, Network for Environmental Concerns and Solutions (NECOS), Zambia

Mobility as an adaptation response in Samburu, Kenya: gendering the debate
 Nitya Rao, University of East Anglia, United Kingdom

Floating garden: climate smart technology for food security in flooded ecosystem of Bangladesh
 Alimur Rahman, Bangladesh Agricultural Research Institute (BARI), Bangladesh



Issue 8. Risk assessment, adaptation planning and evaluation

11.00 – 12.45

Van Oldenbarnevelt Room

SC 8.2

Vulnerability assessment

Chair
 Rapporteur

André Jol, European Environment Agency (EEA), Denmark
 Tbd

Presentations

A structured climate vulnerability assessment approach – concepts and lessons learned
 Marc Zebisch, EURAC research, Italy

Making climate change vulnerability assessment understandable and useable on a local level
 Ellinor Roth, Helmholtz-Zentrum Geesthacht, Germany

An assessment of relative vulnerability to floods by using data envelopment analysis in Bihar, India
 Rupak Jha, Indian Institute of Technology Bombay, India

Asset-based analysis of social vulnerability of inner city of Ile-Ife, Nigeria
 Grace Oloukoi, Lead City University, Nigeria

Mapping vulnerability of communities to climate change in the Helsinki Metropolitan Area, Finland
 Susanna Kankaanpää, Helsinki Region Environmental Services Authority, Finland



Issue 8. Risk assessment, adaptation planning and evaluation

11.00 – 12.45

Diamond Room I

SC 8.7

Adaptation support tools

Chair
 Rapporteur

Roger Street, UK Climate Impacts Programme (UKCIP), United Kingdom
 Tbd

Presentations

Running an adaptation support tool for five years – looking back and forth
 Clemens HaBe, Federal Environment Agency Germany (UBA), Germany

Stakeholders should come first: delivering effective adaptation tools with comprehensive engagement
 David Rissik, National Climate Change Adaptation Research Facility (NCCARF), Australia

An interactive tool translating complex adaptation information to support policy and decision makers
 Rob Lokers, Wageningen UR, the Netherlands

C-GEAR core: an integrated web cloud tool for climatic risk assessments and decision support
 Byron Quan Luna, DNV GL, Norway

Objectif'Climat: an adaptation planning and monitoring tool developed for French local authorities
Sandrine Dhenain, TEC Conseil, France



Issue 8. Risk assessment, adaptation planning and evaluation

11.00 – 12.45

Tokyo Room

SC 8.15 Tracking adaptation to climate change for MRE

This session brings together scholars and practitioners with different backgrounds to discuss in an interactive session the conceptual, methodological and empirical challenges of tracking adaptation actions. We aim to stimulate an active discussion in the panel and with the audience around some pertinent questions, including: what makes adaptation Monitoring, Reporting and Evaluation (MRE) distinctive from the established Monitoring & Evaluation (M&E) practices and theories? Who are the main audiences of adaptation MRE? What can be tracked as key metrics indicative of adaptation success? Do we need different conceptualisations and metricises of adaptation across scales, sectors and regions in the world? We would like to hear your ideas, arguments and lessons learned to address these challenges and advance the debate on adaptation MRE.

Organised by Robbert Biesbroek, Wageningen UR, the Netherlands
James Ford, Department of Geography, McGill University, Canada
Joyce Coffee, Notre Dame Global Adaptation Index, USA

Chair Rapporteur Robbert Biesbroek, Wageningen UR, the Netherlands
Sumit Vij, Wageningen UR, the Netherlands

Presentations Tracking adaptation: an overview of key challenges
Robbert Biesbroek, Wageningen UR, the Netherlands and/or James Ford, McGill University, Canada

National-level progress on adaptation among high-income countries
Alexandra Lesnikowski, McGill University, Canada

ND-GAIN country index
Ian Noble, Notre Dame Global Adaptation Index (ND-GAIN), USA



Issue 9. Institutions and governance

11.00 – 12.45

Rotterdam Hall

SC 9.1

Water and climate adaptation governance

Chair Rapporteur

Saskia Werners, Wageningen UR, the Netherlands
Tbd

Presentations

Normative architecture for groundwater governance: redesign to facilitate adaptation and inclusion
Kirstin Conti, IGRAC and University of Amsterdam, the Netherlands

Flood risk governance in Europe: how eight key issues are being dealt with in six European countries
Dries Hegger, Utrecht University, the Netherlands

Adapting to a variable climate through a private property regime: the case of the Azapa aquifer
Gloria Lillo, Ortega Center for Climate and Resilience Research (CR2), Chile

City blueprint: assessment of the sustainable integrated water resources management in 45 cities
Steven Koop, KWR Watercycle Research Institute, the Netherlands

Concepts and tools for selection of urban water policies for climate adaptation: a comparison
Joost Buurman, National University of Singapore, Singapore



Issue 9. Institutions and governance

11.00 – 12.45

Oscar Auditorium

SC 9.10

Incorporating uncertain scientific evidence into real-world adaptation decision making: what are the missing links?

This session seeks to advance the current understanding of the requirements that underpin the use of uncertain science information in developing innovative and effective adaptation decision-making, including under 'high-end' climate scenarios. This session is organised within the framework of the European FP7 IMPRESSIONS project and its case-studies. It brings together researchers working on climate adaptation related decision-making. The aim is to provide empirically-grounded, potentially transformative science that quantifies and explains the consequences

of 'high-end scenarios' for society at large, and particularly for decision-makers with the responsibility of designing climate change adaptation, mitigation and development strategies.

Organised by	Tiago Capela Lourenço and Maria João Cruz, University of Lisbon, Portugal Henrik Carlsen and Adis Dzebo, Stockholm Environment Institute (SEI), Sweden
Partners	University of Edinburgh, United Kingdom Universitat Autònoma de Barcelona, Spain Central European University, Hungary
Chair Rapporteur	Tiago Capela Lourenço, University of Lisbon, Portugal Maria João Cruz, University of Lisbon, Portugal
Presentations	Overview of IMPRESSIONS methods and case-studies Henrik Carlsen, Stockholm Environment Institute (SEI), Sweden Case 1: EU Adis Dzebo, Stockholm Environment Institute (SEI), Sweden Case 2: Scotland Miriam Dunn, University of Edinburgh (UEDIN), United Kingdom Case 3a: Iberia/Portugal Maria João Cruz, Faculty of Sciences – University of Lisbon (FCUL), Portugal Case 3b: Iberia/Spain David Tàbara, Universitat Autònoma de Barcelona (UAB), Spain Case 4: Hungary Laszlo Pinter, Central European University (CEU), Hungary



Issue 10. Finance, investment and business

11.00 – 12.45

Antwerp Room

SC 10.2 Sectoral perspectives on climate finance, investment and business

Chair
Rapporteur Paul Watkiss, Paul Watkiss Associates / University of Oxford, United Kingdom
Tbd

Presentations
Evaluating climate change adaptation for the Maldives' tourism industry
Heather Hosterman, Abt Associates, USA
SMEs and climate risk: perception, experiences and responses
Swenja Surminski, London School of Economics, United Kingdom
Cost-benefit analysis of adaptation options for communities, regions, and economic sectors of Canada
Gerett Rusnak, Natural Resources Canada, Canada
The impacts of climate change on food value chains
Lilly Lim-Camacho, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia

Surface water flood risk and management strategies under future climate change: an ABM approach

Katie Jenkins, University of Oxford, United Kingdom

Business exposure and risk awareness of telecoupled climate effects: examples from Swedish industry

Henrik Carlsen, Stockholm Environment Institute (SEI), Sweden



Issue 9. Institutions and governance

11.00 – 12.45

Diamond Room II

PR 9.4 The NAP process: opportunities and challenges for climate resilient development

The Paris Agreement requires all parties, "as appropriate," to engage in adaptation planning processes and the implementation of actions. The National Adaptation Plan (NAP) process under UNFCCC is meant to help countries reduce vulnerability, build adaptive capacity and mainstream adaptation into development planning. This session will bring together country-level experts and practitioners, development agencies, scientists and others to share their experiences of the NAP process and mainstreaming adaptation. Following case studies of Thailand and Togo and a panel of country-level representatives from various NAP processes, participants will be invited to share experiences and identify solutions and tools to overcome challenges and take advantage of opportunities in achieving climate resilient development.

Organised by
Partner
Chair
Rapporteur
Till Below, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany
Acclimatise, United Kingdom
Virginie Fayolle, Acclimatise, United Kingdom
Florent Baarsch, Climate Analytics, Germany

Presentations
Introduction to the NAP process
Till Below, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany
NAP case studies
Virginie Fayolle, Acclimatise, United Kingdom
Till Below, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany
Tabea Lissner, Climate Analytics, Germany
Government representative, Togo (tbc)
Government representative, Thailand (tbc)

Panel discussion
NAP process, challenges, opportunities
Moderator: Virginie Fayolle, Acclimatise, United Kingdom
Panel
Government representative, Togo (tbc)
Government representative, Thailand (tbc)

Discussion tables

Government representative, Benin (tbc)

Government representative, Brazil (tbc)

Moderators

Nele Büchner, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany

Mariama Baldé, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany

Wiriya Puntub, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany

Virginie Fayolle, Acclimatise, United Kingdom

Tabea Lissner, Climate Analytics, Germany

**Issue 10. Finance, investment and business****11.00 – 12.45****Van Walsum Room**

PR 10.5 Bridging the gap: initiatives for better access to climate finance in Latin America

There is a significant gap between climate funds available for adaptation and its actual application. International organisations try to reduce the gap by assisting proposal formulation, promoting south-south cooperation, blending public and private investment, supporting regional dialogues, etc. The session discusses innovative ways to bridge this particular climate finance gap, focusing on challenges and opportunities (including how research data and training can drive decision making) to assure faster access to adaptation finance. Presentations include short videos on successful cases of adaptation finance. Representatives from Latin America and the presenters will engage in an exchange of ideas with the audience.

Organised by
PartnersJohannes Karremans, EUROCLIMA Programme, European Commission, Belgium
Economic Commission for Latin America and the Caribbean (ECLAC), Chile
Organisation for Economic Co-operation and Development (OECD), FranceChair
RapporteurJohannes Karremans, EUROCLIMA Programme (European Commission), Belgium
Guillermo Dascal, EUROCLIMA Programme (European Commission), Belgium

Presentations

Overview of national and international climate funding for adaptation in Latin America: challenges and opportunities

Joseluis Samaniego, United Nations Economic Commission for Latin America and the Caribbean (UN-ECLAC), Chile

Fostering effective adaptation finance in Latin America: EU initiatives

Horst Pilger, European Commission, Belgium

Partnership for climate finance and development: tracking climate finance for adaptation and exploring the synergies with the Sustainable Development Goals

Gisela Campillo, Organisation for Economic Co-operation and Development (OECD), France

**Theme 6. Disaster risk reduction****11.00 – 12.45****Penn Room II**

SP 6.2 Climate risk management: adapting to climate change and reducing disaster risks through integrated risk transfer solutions

Risk transfer such as insurance solutions play an important role in adaptation to climate change, as suggested in the UNFCCC Paris Agreement, the Kyoto Protocol and the recent G7 Summit. The session will present first results and strategies from three different country contexts on insurance solutions in the context of integrated climate risk management. Participants will learn about how insurance can complement national / regional strategies and get insights into recent research efforts of insurance on low-income households facing extreme weather. The panel discussion shall reflect lessons learned and recommendations on the combination of risk management and insurance.

Organised by
Partner
Chair
RapporteurKehinde Balogun, Munich Climate Insurance Initiative (MCII), Germany
Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany
Koko Warner, Munich Climate Insurance Initiative (MCII), Germany
Kehinde Balogun, Munich Climate Insurance Initiative (MCII), Germany

Presentations

Integrated risk management on droughts and floods with the African Risk Capacity (ARC) in Ghana

Charlotte Norman, NADMO Climate Change / Disaster Risk Reduction Department, Ghana (tbc)

Climate risk adaptation and insurance in the Caribbean

Jordon Tait, GK General Insurance Company Ltd, Jamaica

Natcat relief safety net insurance program for farmers in Peru

Lourdes del Carpio, La Positiva Ltd., Peru (tbc)



Issue 8. Risk assessment, adaptation planning and evaluation

11.00 – 12.45

Mees Auditorium

SP 8.6 Monitoring, evaluating, and scaling up adaptation: evidence-based learning

Sufficient adaptation options have been implemented to assess lessons learned in monitoring, evaluating, learning, and scaling up. Case studies from two climate funds will be explored, covering 51 least developed countries (LDCs) and a wide range of Non-Annex 1 countries. Technical papers commissioned by UNEP's Global Programme of Research on Climate Change Vulnerability, Impacts and Adaptation (PROVIA) and the Scientific and Technical Advisory Panel (STAP) of the Global Environmental Facility (GEF) will be discussed to demonstrate progress in adaptation interventions. These presentations will be followed by a roundtable discussion about how lessons learned might shape future adaptation monitoring, evaluation, learning, and scaling up.

Organised by Dennis Bours, Global Environment Facility's Independent Evaluation Office (GEF IEO), USA

Partners Scientific and Technical Advisory Panel of the Global Environment Facility (STAP GEF), USA
United Nations Environment Programme / Global Programme of Research on Climate Change Vulnerability, Impacts, and Adaptation (UNEP/PROVIA), Kenya
Global Environment Facility (GEF) Secretariat, USA
Adaptation Fund (AF), USA

Chair Anna Viggh, Global Environment Facility's Independent Evaluation Office (GEF IEO), USA

Rapporteur Dennis Bours, Global Environment Facility's Independent Evaluation Office (GEF IEO), USA

Presentations

Climate change adaptation monitoring, evaluation, and learning: lessons from climate-vulnerable sectors
Anand Patwardhan, Scientific and Technical Advisory Panel of the Global Environment Facility (STAP GEF), USA

Linking monitoring, evaluation, and learning across scale: establishing the two-way linkages between institutional and national level actions and local impacts and benefits
Kristie Ebi, University of Washington, USA and Global Programme of Research on Climate Change Vulnerability, Impacts, and Adaptation (UNEP/PROVIA), Kenya

Learning to scale up: lessons from the GEF adaptation portfolio
Saliha Dobardzic, Global Environment Facility (GEF) Secretariat, USA

Lessons from Adaptation Fund (AF) South-South cooperation to advance adaptation
Mikko Ollikainen, Adaptation Fund, USA



Issue 8. Risk assessment, adaptation planning and evaluation

11.00 – 12.45

Beurs Lounge

SP 8.10 Delta approaches: adaptive delta management and other support tools for improving resilience of the world's deltas

Delta Alliance (DA) is a knowledge driven network of organisations in over 15 deltas, whose mission is to improve the resilience of the world's deltas and reduce vulnerability to flooding and ecosystem degradation. In a process of co-creation between scientists and practitioners from various deltas, the Delta Approach is being developed consisting of policy and technical tools such as Adaptive Delta Management (ADM). In this session, the DA would like to take a next step in this co-creation process. We will present the developments so far and facilitate an active knowledge exchange between the participants on effective tools. After the session the results and the (links to) the tools will be presented on the DA website.

Organised by Catharien Terwisscha van Scheltinga, Wageningen UR, the Netherlands
Martine Rutten, Water Resources Management, Delft University of Technology, the Netherlands

Partners Delta Alliance International Secretariat, the Netherlands
Delta Alliance Wings, Argentina, Bangladesh, Ghana

Chair Ivo Demmers, Delta Alliance International Secretariat / Wageningen UR, the Netherlands

Rapporteur Martine Rutten, Delta Alliance International Secretariat / Delft University of Technology, the Netherlands

Presentations

Design and assessment of delta strategies: tools and methods in the Bangladesh Delta Plan
Jaap de Heer, Twynstra Gudde, the Netherlands
Catharien Terwisscha van Scheltinga, Wageningen UR, the Netherlands

Design and assessment of delta strategies: tools, methods and experiences in the Netherlands Delta Plan
Jos van Alphen, Delta Commissioner, the Netherlands
Pieter Bloemen, Staff Delta Commissioner, the Netherlands

Design and Assessment of Delta Strategies: reflections from Delta Alliance Wings
Renske Peters, Delta Alliance, the Netherlands
Peter Odhengo, Delta Alliance, Ghana
Veronica Zagare, Delta Alliance, Argentina
Mohammad Monowar Hossain, Delta Alliance, Bangladesh



Issue 9. Institutions and governance

11.00 – 12.45

Penn Room I

SP 9.1 Resilient risk governance systems: enhancing integration and adaptive capacity across scales

Resilience programmes aimed at strengthening risk governance are faced with several challenges: understanding the components of the system, the vertical and horizontal interactions, and how these shape resilience and efforts to build adaptive capacity. Thus research can only be undertaken in the context of practice and vice-versa. The praxis of theorising, acting and reflecting on interactions with and within risk governance systems will be discussed in this session. Participants will consider findings from programmes that have worked at the interface of governance and resilience, and discuss how resilient risk governance systems can be promoted through actions targeted at different scales.

Organised by Emily Wilkinson, Climate and Environment Programme, Overseas Development Institute (ODI), United Kingdom

Partners Near East Foundation, USA
Mercy Corps, United Kingdom

Chair Emily Wilkinson, Climate and Environment Programme, Overseas Development Institute (ODI), United Kingdom

Rapporteur Elizabeth Carabine, Overseas Development Institute (ODI), United Kingdom

Presentations

Cross-boundary adaptation to climate change: learning from challenges and opportunities in Senegal
Florence Crick, LSE Grantham Research Institute on Climate Change and the Environment, United Kingdom
Hayley Leck, Kings College London, United Kingdom

Local governance and decentralised finance for community-driven climate adaptation lessons from Kenya, Mali and Senegal
Yacouba Deme, Near East Foundation, Mali
Victor Orindi, Adaptation Consortium, Kenya

Governance for resilience: strengthening the voice of pastoral communities in Kenya and Uganda
Natalie Topa, Mercy Corps, United Kingdom



Issue 9. Institutions and governance

11.00 – 12.45

New Orleans Room

SP 9.7 Indigenous climate change adaptation and transformations: adapting to future challenges by learning from the past

The impacts of climate change alongside other environmental changes create new challenges and opportunities for indigenous groups worldwide. However, current discussion about climate change often do not consider how adaptation can be linked with indigenous peoples' aspirations to attain more meaningful systems of governance. This panel session explores the ways Indigenous Knowledges (IK), values, and modes of living can be brought into conversation with Western science and governance structures to enable more sustainable adaptation initiatives. Four presentations of case studies from China, New Zealand, Panama, Peru, Samoa, Thailand, and Vanuatu highlight the enablers and constraints to successful indigenous-led adaptation.

Organised by Johanna Nalau, Griffith Climate Change Response Program and Griffith Institute for Tourism, Griffith University, Australia

Meg Parsons, School of Environment, University of Auckland, New Zealand
Alejandro Argumedo, Indigenous Peoples' Biocultural Climate Change Assessment Initiative (IPBCCA), Peru

Partners Network of Indigenous Experiences of Changing Environments (NIECE), New Zealand
Asociación ANDES, Peru

Chair Alejandro Argumedo, Indigenous Peoples' Biocultural Climate Change Assessment Initiative (IPBCCA), Asociación ANDES, Peru

Rapporteurs Jill Huinder, Indigenous Peoples' Biocultural Climate Change Assessment Initiative (IPBCCA), Peru

Presentations

Transforming governance in Vanuatu: incorporating Kastom, cultural diversity, and complex social-ecological changes in policy-making
Paul Nalau, Vanuatu Government, Vanuatu and Johanna Nalau, Griffith University, Australia

Practical adaptation pathways through traditional governance in New Zealand and Samoa
Cilla Brown, Pacific Dance, Samoa, Meg Parsons and Karen Fisher, University of Auckland, New Zealand

Adapting to future challenges learning from the past: the IPBCCA Synthesis Report
Alejandro Argumedo, Indigenous Peoples' Biocultural Climate Change Assessment Initiative (IPBCCA) – Asociación ANDES, Peru

Indigenous spirituality: new ethics for holistic adaptation
Mindahi Bastidas, Centre for Earth Ethics, Columbia University, USA and Co-chair, Steering Committee IPBCCA

12.45 – 13.45

Lunch



Round Table
13.45 – 15.30
Town Hall

RT 7 Adaptation Forum

The Adaptation Forum is organised by the Adaptation Committee, the overall advisory body on adaptation to the United Nations Framework Convention on Climate Change (UNFCCC) to reach out to stakeholders and gather new insights, knowledge and experiences on adaptation action and support.

The goal of this Adaptation Forum is two-fold:

- a) To inform conference participants of the adaptation aspects of the Paris Agreement; and
- b) To receive input from participants on tasks under the Paris Agreement where the Adaptation Committee has a clear role.

Input received from participants will help in shaping the future adaptation regime under the UNFCCC and inform Parties' planning, implementing and evaluating of adaptation actions and support.

Organised by UNFCCC Adaptation Committee
Partner Government of the Netherlands
Chair Don Lemmen, Co-Chair of the Adaptation Committee, Canada
Rapporteur Klaus Radunsky, Member of the Adaptation Committee, Austria

Presentations

Overview of adaptation provisions in the Paris Agreement
Tbd

What can be done to effectively and efficiently recognize the adaptation efforts that have been undertaken by developing countries?
Tbd

What is needed to objectively review the adequacy and effectiveness of adaptation actions and the support for adaptation in countries?
Tbd



Theme 1. Cities and infrastructure
13.45 – 15.30
Goudriaan Room I

SC 1.4 Heat in the city

Chair
Rapporteur

Emma Porio, Ateneo de Manila University, Philippines
Kathrin Merkelbach, Wageningen UR, the Netherlands

Presentations

The role of urban green infrastructure measures in improving outdoor thermal comfort
Teresa Zoelch, Technische Universität München, Germany

Low carbon options for adapting heating and cooling of dwellings in 29 Portuguese municipalities
Sofia Simões, NOVA University of Lisbon, Portugal

Housing adaptation measures to extreme heat for the urban poor in South Asia
Tanya Singh, Wageningen UR, the Netherlands

Heat stress measurements in Amsterdam
Lisette Klok, University of Applied Sciences Amsterdam, the Netherlands



Theme 2. Food, forestry and rural livelihoods
13.45 – 15.30
New York Room

SC 2.3 Food production systems

Chair
Rapporteur

Chair Åsa Gerger Swartling, Stockholm Environment Institute (SEI), Sweden
Tbd

Presentations

Fitting neglected and underutilised crops into climate change adaptation strategies
Tafadzwanashe Mabhaudhi, University of KwaZulu-Natal, South Africa

Occurrence of agricultural relevant extreme events and their contribution to wheat yield variability
Andrea Luetttger, Institute for Strategies and Technology Assessment, Germany

Adapting to climate change in the rice-wheat production system in Indo-Gangetic plain of South Asia
Arun Khatri Chhetri, International Water Management Institute (IWMI), India

Shrimp farming as adaptation to salt intrusion in coastal Bangladesh: a social tipping point
Saskia Werners, Wageningen UR, the Netherlands

Stretching boundaries for food production: identification and cultivation of salt tolerant potato
Arjen de Vos, Salt Farm Texel, the Netherlands



Theme 4. Public health

13.45 – 15.30

Leeuwen Room I

SC 4.1 Limits to human health system adaptation

Adaptation can reduce the burdens of climate-sensitive health outcomes over the short term. Sustainable development pathways could reduce but not eliminate projected health burdens. The session will explore the extent to which additional capacity, knowledge, and tools are needed by ministries of health and national to local health organisations to manage current and to keep pace with projected risks. Five presentations will explore lessons learned from research and from vulnerability and adaptation assessments in low-, middle-, and high-income countries and their implications for evidence-based public health adaptation policies and programmes. An open discussion will follow.

Organised by Kristie Ebi, University of Washington, USA
Partner Columbia University, USA
Chair Kristie Ebi, University of Washington, USA
Rapporteur Perry Sheffield, Columbia University, USA

Presentations

Limits to health adaptation in a changing climate
 Kristie Ebi, University of Washington, USA

Imagining the unmanageable: limits to health system adaptation in high-income countries
 Hilary Bambrick, Western Sydney University, Australia

The importance of evidence-based public health research to address the risks to health from climate change
 Kathryn Bowen, Australia National University, Australia

Child-focused health system adaptation to climate change
 Perry Sheffield, Columbia University, USA

Is adaptation to a warming world effective? Difficulty in implementing heat-health warning system even in developed countries
 Yasushi Honda, University of Tsukuba, Japan



Theme 5. Ecosystems and ecosystem based adaptation

13.45 – 15.30

Zaal Staal

SC 5.3 Implementing ecosystem-based approaches for adaptation

Chair Jos Verhoeven, Utrecht University, the Netherlands
Rapporteur Olaf Meynecke, Griffith University, Australia

Presentations

Adapting whale watching to climate change – a case study from the east coast of Australia
 Olaf Meynecke, Griffith Centre for Coastal Management and Griffith Climate Change Response Program, Australia

Evaluating the global potential of green infrastructure for reducing flood risk under climate change
 David Hole, Conservation International, USA

Adaptation by wide green dikes: opportunity to improve biodiversity along the coast?
 Jantsje van Loon-Steensma, Wageningen UR, the Netherlands

Vegetated foreshores as coastal protection strategy: coping with uncertainties and implementation
 Stephanie Janssen, Delft University of Technology, the Netherlands

Protecting people and nature through ecosystem-based adaptation in the Atlantic Forest, Brazil
 Lukas Hach, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany



Theme 5. Ecosystems and ecosystem based adaptation

13.45 – 15.30

Mees Auditorium

SC 5.5 Economic assessment of climate adaptation

Chair Pam Berry, Oxford University, United Kingdom
Rapporteur Tbd

Presentations

Trading-off ecosystem services with engineered and economic benefits to inform investment decisions
 Anthony Hurford, University of Manchester, United Kingdom

The socio-economic vulnerability of coastal communities in Ghana to the impact of climate change
 Gawusu-Toure Kassim, Ghana Wildlife Society, Ghana

Economic values of ecosystem services benefits in pastoralist institutional arrangements in Kenya
 Caroline Kanyuuru, International Livestock Research Institute, Kenya

Carbon stocks and biodiversity conservation on a small island: Pico (the Azores)
 Marta Vergílio, University of the Azores, Portugal

Governance analysis on natural resource management and ecosystem protection in Bangladesh
 Sz Chowdhury, Institute of Water and Flood Management, Bangladesh University of Engineering and Technology, Bangladesh



Theme 6. Disaster risk reduction

13.45 – 15.30

Diamond Room I

SC 6.4

Planning for climate change

Chair

Rapporteur

Tbd

Valerie Eijrond, Wageningen UR, the Netherlands

Presentations

Heat vulnerability index for London: an update

Tanja Wolf, Geography, King's College London, United Kingdom / World Health Organization (WHO), Germany

Development of heat wave health plan in South Asian Plains

Arshed Rafiq, LEAD Pakistan, Pakistan

Application of ClimAdaPT: local to Vila Franca do Campo Municipality (Azores, Portugal)

Joao Medeiros, Municipality of Vila Franca do Campo, Portugal

Cost-effectiveness of adaptation strategies to increase the resiliency of power distribution poles

Sigrídur Bjarnadóttir, University of Hartford, USA

Managing rainfall risks in agriculture: a case study on index-based micro-insurance in Senegal

Lena Weingärtner, University of Amsterdam, the Netherlands



Theme 6. Disaster risk reduction

13.45 – 15.30

Tokyo Room

SC 6.6

Linking climate change adaptation, disaster risk reduction, and loss & damage: lessons toward resilient Asia-Pacific region

Disaster resilience through science-based climate adaptation and loss and damage have become part of Climate Adaptation Framework of the Asia-Pacific Network for Global Change Research network. This was inspired by the UNFCCC Cancun Agreement for Adaptation (2011) and the Warsaw International Mechanism for Loss and Damage (2013). This session will present case studies and guidelines for strengthening adaptation and risk reduction plans from national to grassroots levels in the Asia-Pacific region. We will promote knowledge on approaches to respond to slow onset and extreme climatic events; economic and non-economic Loss and Damage; impacts on most vulnerable; and integrating slow onset events and extreme events into climate-resilient development processes.

Organised by

Linda Stevenson, Communication and Scientific Affairs Division, Asia Pacific Network for Global Change Research, Japan

Partner

Stockholm Environment Institute-Asia (SEI-ASIA), Thailand

Chair

Linda Stevenson, Asia Pacific Network for Global Change Research (APN) Secretariat, Japan

Rapporteur

Michael Boyland, Stockholm Environment Institute-Asia (SEI-ASIA), Thailand

Presentations

Twenty years of research and scientific capacity development in Asia Pacific Region: Integrating climate change adaptation, disaster risk reduction, and loss and damage
Linda Anne Stevenson, APN Secretariat, Japan

An analysis of longer-term (5-10 years) recovery following major disasters in the Asia-Pacific region: lessons for resilient development

Michael Boyland, Stockholm Environment Institute-Asia (SEI-ASIA), Thailand

Assessing linkages between CCA, DRR and L&D: case studies in the floodplains of Cambodia, Indonesia, Philippines, Thailand and Vietnam

Rodel Lasco, Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk Management Foundation (OML Center), Philippines

Integrating climate change adaptation, disaster risk reduction, and loss & damages to address emerging challenges due to slow onset processes

Joy Jacqueline Pereira, Southeast Asia Disaster Prevention Research Initiative (SEADPRI-UKM), Malaysia

Addressing non-economic losses and damages associated with climate change:

Learning from recent past extreme climatic events for future planning

S.V.R.K Prabhakar, Institute for Global Environmental Strategies, Japan

Capacity building for national, provincial stakeholders and remote communities on L&D related to disaster risk reduction and climate change adaptation

Le Min Nhat, Office of the NCCC and Climate Change, Vietnam Ministry of Natural Resources and Environment, Vietnam



Issue 8. Risk assessment, adaptation planning and evaluation

13.45 – 15.30

Van Oldenbarnevelt Room

SC 8.3

Multi-sector integrated assessments of impacts and adaptation

Chair

Paula Harrison, University of Oxford, United Kingdom

Rapporteur

Tbd

Presentations

Model of integrated impact and vulnerability evaluation of climate change in South Korea

Jongsik Ha, Korea Environment Institute, Republic of Korea

The value added of combined sector and macroeconomic model use in adaptation assessment

Adriaan Perrels, Finnish Meteorological Institute, Finland

Climate change, water scarcity and health adaptation in Southwestern Bangladesh
Anwarul Abedin, Bangladesh Agricultural University, Bangladesh

Climate change adaptation in the EU: an integrated assessment for flood, agriculture and health
Francesco Bosello, Euro-Mediterranean Center on Climate Change, Italy

Population, health and urban land use in integrated climate modelling
Emma Terama, Finnish Environment Institute and University College London, United Kingdom



Issue 8. Risk assessment, adaptation planning and evaluation

13.45 – 15.30

Beurs Lounge

SC 8.16 Planning the next generation of adaptation research: how to coordinate, broker and amplifying large research consortia to achieve development impact

The session aims to critically reflect on how large multi-stakeholder consortia can best support adaptation research and practice. It will draw on the experience of a number of ongoing research programmes, seeking lessons learned and new directions for coordinating, brokering and amplifying adaptation research in multi-stakeholder consortia. The session will start by presenting the results of a review of opportunities/barriers to coordinating large adaptation research consortia, setting the scene for subsequent discussion (six min). In an extended panel discussion, six panellists will present personal experiences via 'lightning presentations' (1-2 key messages). Audience members will then be encouraged to take the podium and share thoughts as part of the panel through a 'fish-bowl' session.

Organised by Lindsey Jones, Overseas Development Institute (ODI), United Kingdom
Ken De Souza, Jane Clark, Department for International Development (DFID), United Kingdom

Partners The Netherlands Organisation for Scientific Research (NWO), the Netherlands
Building Resilience and Adaptation to Climate Extremes and Disasters (BRACED), United Kingdom

Chair Rapporteur Lindsey Jones, Overseas Development Institute (ODI), United Kingdom
Jane Clark / Ken De Souza, DFID, United Kingdom

Presentations Synthesising common opportunities and barriers to the coordination, brokering and amplification of adaptation research through large multi-stakeholder consortia
Blane Harvey, Overseas Development Institute (ODI), United Kingdom
Lightning presentations from a series of knowledge managers, researchers and funders
Bernard Cantin, International Development Research Centre (IDRC), Canada



Issue 9. Institutions and governance

13.45 – 15.30

Oscar Auditorium

SC 9.11 Institutional economics of adaptation

A consensus has been emerging regarding the key role that institutions play in adaptation, and yet institutions have been largely studied descriptively in the adaptation domain. This presents a significant opportunity for adaptation researchers to engage with scholarly findings from institutional economics, as the latter offers a wealth of theories for understanding and overcoming barriers directly relevant to climate adaptation. This session aims at crystallising new insights from recent institutional economics work on climate adaptation, and enabling exchange on key insights of institutional economics relevant for adaptation. Four papers addressing adaptation from an institutional economics perspective in different sectors will be presented followed by a plenary discussion on the insights provided by institutional economics to the contemporary adaptation governance debate.

Organised by Partners Alexander Bisaro, Global Climate Forum, Germany
Humboldt Universität zu Berlin, Albrecht Daniel Thaer-Institute of Agricultural and Horticultural Sciences, Germany

Chair Rapporteur Alexander Bisaro, Global Climate Forum, Germany
Matteo Roggero, Humboldt Universität zu Berlin, Germany

Presentations Adapting institutions: exploring climate adaptation through integrative & segregative institutions
Matteo Roggero, Humboldt Universität zu Berlin, Germany
Institutional adaptations in Dutch and American flood governance: the expert-politics nexus
Emmy Bergsma, University of Amsterdam, the Netherlands
Leveraging private finance for coastal adaptation
Alexander Bisaro, Global Climate Forum, Germany
Understanding barriers and drivers of coastal protection
Anke Wolff, Global Climate Forum, Germany



Issue 9. Institutions and governance

13.45 – 15.30

Diamond Room II

SC 9.13 Adapting scientific methodologies – how to compare and evaluate case studies as well as integrate and upscale data and information?

Climate change adaptation happens mainly at the local level but it is often governed and supported by regional, national/federal, and also international (e.g. in Europe) strategies and policies. To improve governance at all levels this session shares knowledge and experience from a diversity of 23 European case studies. The first presentation focuses on the process of designing and implementing a comparative and integrative research methodology. The second presents a multipurpose guide for adaptation based on a world survey, while the last one highlights improved processes of upscaling local adaptation relevant information for better policy and decision-making.

Organised by
Partners Gil Penha-Lopes, University of Lisbon, Portugal
University of Leeds, United Kingdom
Helmholtz Centre for Environmental Research, Germany
Deltares, the Netherlands

Chair
Co-chair
Rapporteur Gil Penha-Lopes, University of Lisbon, Portugal
Hans Sanderson, University of Aarhus, Denmark
Filipe Alves, University of Lisbon, Portugal

Presentations

BASE methodology framework for 23 case studies
Gil Penha-Lopes, University of Lisbon, Portugal

BECCA – a multi-purpose guide and evaluation tool for adaptation
Jenny Trolzsch, Helmholtz Centre for Environmental Research, Germany

Upscaling adaptation economics: challenges and successes
Ad Jeuken, Deltares, the Netherlands



Theme 1. Cities and infrastructure

13.45 – 15.30

Penn Room I

PR 1.6 Urban design and flood management in resilient cities Nijmegen and Mumbai

To gain success in complex urban design where flood management is an issue, a change of perspective and an integral design attitude is needed. To make adaptation strategies successful, cooperation between designers and engineers needs to be close. Also cultural aspects should be taken into account. In this session we want to learn from flood resilient cities Nijmegen and Mumbai to turn threats into opportunities. These two case studies cover an international comparison between living with water in a Western European city and in an Asian metropole, taking social and economic benefits into account as well.

Organised by
Partners Mariska van der Deen, Rijkswaterstaat, Room for the River, the Netherlands
Municipality Nijmegen, the Netherlands
The city of Mumbai, India
NP-Bridging Antwerp, Belgium

Chair
Rapporteur Mathieu Schouten, Municipality of Nijmegen, the Netherlands
Karsten Schipperheijn, Municipality of Nijmegen, the Netherlands

Presentations

Room for the Waal, City of Nijmegen, the Netherlands
Mathieu Schouten, Municipality of Nijmegen, the Netherlands

Masterplan Mumbai, India
Sanjeev Jaiswal, Thane Commissioner, India



Issue 8. Risk assessment, adaptation planning and evaluation

13.45 – 15.30

Goudriaan Room II

PR 8.6 Climate adaptation platforms in action and networks: the practical challenges and lessons learned from designing and operationalising web-based platforms

This session brings together users and developers of climate adaptation platforms, but also those considering developing and using such platforms. The session seeks to answer the following questions: What are the strengths and weaknesses of web-based platforms in enabling effective climate adaptation? Which tools (e.g. maps, visualisations, databases) are most suitable for integration in web-based platforms and which are not (and why not)?

How to communicate uncertainties when working with web-based platforms? How to address practicalities of developing and using web-based platforms (incl. funding, institutional aspects, and continuity)? Additional information on this session can be found on the Climate Adaptation Services [website](#).

Organised by	Kim van Nieuwaal, Hasse Goosen, Climate Adaptation Services (CAS), the Netherlands Roger Street, UK Climate Impacts Programme (UKCIP), United Kingdom Julien Hoyaux, Service Public de Wallonie (SPW), Belgium Barry O'Dwyer, Center for Marine and Renewable Energy (MaREI), Ireland Robert Webb, Australian National University (ANU), Australia David Rissik, National Climate Change Adaptation Research Facility (NCCARF), Australia
Partners	Tiago Capela Lourenco, Ana Ferrada Gomes, University of Lisbon (UL), Portugal European Environment Agency (EEA), Denmark European Joint Programming Initiative – JPI Climate Ministry of Infrastructure and the Environment, the Netherlands PBL Netherlands Environmental Assessment Agency, the Netherlands
Chair	Kim van Nieuwaal, Climate Adaptation Services (CAS), the Netherlands
Rapporteur	Marit Heinen, Climate Adaptation Services CAS, the Netherlands
Presentations	Welcome and introduction Kim van Nieuwaal, Climate Adaptation Services (CAS), the Netherlands Overview of EEA activities including recent reports and Climate-ADAPT André Jol, Kati Mattern, European Environment Agency (EEA), Denmark Challenges for adaptation platforms Roger Street, UK Climate Impacts Programme (UKCIP), United Kingdom Climate Ireland: a case study on facilitating local authority planning for climate change Barry O'Dwyer, Center for Marine and Renewable Energy (MaREI), Ireland The Australian adaptation strategy and practical experience in adaptation support products Robert Webb, Australian National University (ANU), Australia David Rissik, National Climate Change Adaptation Research Facility (NCCARF), Australia The Dutch national climate adaptation portal and the real time use of the touch table Hasse Goosen, Climate Adaptation Services (CAS), the Netherlands



Theme 9. Institutions and governance

13.45 – 15.30

Penn Room II

PR 9.7

Synergies between adaptation and mitigation: integration of resilience in LEDS in Latin America

Adaptation and mitigation agendas are increasingly gaining importance, yet are generally designed and carried out separately despite multiple potential synergies between them, particularly in the agroforestry and housing sectors. This session aims to show the need for, advantages of and advances in the integration of adaptation and mitigation climate policies in development strategies in Latin America. After two framing presentations including key considerations, advances, and conceptual developments, government representatives from Chile and Colombia will present their experiences. Participants will then be invited to share their experiences and challenges, contributing to an interactive discussion.

Organised by	María José Gutierrez Murray, LEDS LAC Platform (Regional Low Emission and Resilient Development Strategies Platform for Latin America and the Caribbean), Costa Rica
Partners	EUROCLIMA programme, European Commission, Belgium Tropical Agricultural Research and Higher Education Center (CATIE), Costa Rica
Chair	Aida Figari / María José Gutiérrez, LEDS LAC Platform (Regional Low Emission and Resilient Development Strategies Platform for Latin America and the Caribbean), Costa Rica
Rapporteur	Guillermo Dascal, EUROCLIMA programme, European Commission, Belgium
Presentations	Advances in integrating adaptation and mitigation climate policies in Latin America: key considerations María José Gutierrez Murray, LEDS LAC Platform (Regional Low Emission and Resilient Development Strategies Platform for Latin America and the Caribbean), Costa Rica Synergies between adaptation and mitigation in the agroforestry sector Claudia Vallejo, Centro Agronómico Tropical de Investigación y Enseñanza (CATIE), Costa Rica Case studies from Latin America Alonso Cardenas, Urban Space Director, Ministry of Housing, City and Territory, Colombia Juan Arias, Agricultural and Livestock Service (SAG), Ministry of Agriculture, Chile



Theme 2. Food, forestry and rural livelihoods

13.45 – 15.30

New Orleans Room

SP 2.3 Adapting forest management for climate change: improving research-policy-practice partnerships

Climate change impacts on forests and their capacity to supply goods and services. This session will explore the ecological, social and institutional dimensions of forest management to address climate change by bringing together forest adaptation researchers from the developing and the developed world to consider best practice options for adaptation using scene setting presentations and facilitated discussion at table groups (designed to include a mix of researchers, policy makers and practitioners). Groups will be asked to identify approaches for improving research-policy-practice partnerships in climate adaptation. Results will be summarised in a policy brief and a journal publication.

Organised by Rodney Keenan, School of Ecosystem and Forest Sciences, University of Melbourne, Melbourne, Australia
Carina Keskitalo, Department of Geography and Economic History, Umea University, Umea, Sweden

Partner International Union of Forest Research Organisations, Austria

Chair Rodney Keenan, University of Melbourne, Australia

Rapporteur Harry Nelson, University of British Columbia, Canada

Presentations Analysis of adaptive capacity in seven European states: the United Kingdom, the Netherlands, Norway, Sweden, Finland, Italy and Russia
Carina Keskitalo, Umea University, Sweden
The challenges of integrating adaptation and mitigation in forest management to achieve rural development objectives in Western Africa
Fobissie Kalame, University of Helsinki, Finland and World Wildlife Fund, Cameroon
Policies for achieving forest management objectives under a changing climate In Western Canada
Harry Nelson, University of British Columbia, Canada



Theme 3. Fresh water availability and access

13.45 – 15.30

Leeuwen Room II

SP 3.2 Moving towards tailored climate services in the Water Sector

Many weather services have been developed for the water sector. While these services are now firmly established, climate change poses a new challenge. In this session we discuss experiences in innovating weather and climate services, including case studies on flood risk management, reservoir operation and power generation, and European approaches including the Roadmap for Climate Services. Together with the audience we will draw lessons from good practice in water management organisations and weather and climate services providers. We will discuss needs to improve access to these services, stimulate joint product development, and discuss improvements in stakeholder interactions by dedicated organisations.

Organised by Partners Laurens Bouwer, Deltares, the Netherlands
Royal Netherlands Meteorological Institute (KNMI), the Netherlands
National Laboratory for Civil Engineering (LNEC), Portugal

Chair Rapporteur Laurens Bouwer, Deltares, the Netherlands
Laurens Bouwer, Deltares, the Netherlands

Presentations Improving prediction and management of hydrological extremes
Bart van den Hurk, Royal Netherlands Meteorological Institute (KNMI), the Netherlands
Bringing innovation to ongoing water management
Rafaela Matos, National Laboratory for Civil Engineering (LNEC), Portugal
European research and innovation roadmap on climate services: demonstrating the added value of climate services
Marco Gemmer, European Commission



Theme 6. Disaster risk reduction

13.45 – 15.30

Antwerp Room

SP 6.5 Increasing resilience through Building with Nature along tropical coasts

All across the tropics, coastlines have become increasingly vulnerable. Much of this vulnerability is exacerbated by man-made changes: mangroves are converted, ground water extraction causes soil subsidence and man-made infrastructures interfere with sediment flows. Engineered solutions such as dikes are often expensive and unsustainable. It is time for a new way of working: from fighting nature, to working with nature. This requires an inclusive planning approach combining engineering with restoration of ecosystems.

This session explores how the Building with Nature approach can help accomplish these objectives. We will map the drivers to coastal vulnerability in the tropics and explore case examples from rural and urban environments. We will conclude the session discussing requirements to adopt inclusive Building with Nature solutions.

Organised by	Pieter van Eijk, Wetlands International
Partners	Ecoshape partners Ministry of Marine Affairs and Fisheries, Indonesia Panama city administration, Panama Conservation International
Chair	Jane Madgwick, Wetlands International
Rapporteur	tbd
Presentations	Introduction: New challenges require new solutions. The road towards inclusive approaches to coastal zone management Pieter van Eijk, Wetlands International Pitch: Building with Nature solutions to address coastal vulnerability along tropical coasts: an overview Bregje van Wesenbeeck, Deltares, the Netherlands Opportunities for Building with Nature along rural coastlines: examples from Indonesia Hendra Siry, Ministry of Marine Affairs and Fisheries, Indonesia Nature-based solutions for protecting Surinam's vulnerable coasts Sieuwunath Naipal, Anton de Kom University, Surinam Building with Nature in Panama city: a new paradigm for urban development? Raisa Banfield, Vice Mayor, Panama city, Panama (tbc) Interview: Building with Nature going global? Business cases for upscaling Henk Nieboer, Witteveen and Bos/Ecoshape, the Netherlands Plenary discussion on addressing the barriers to inclusive coastal zone management



Issue 10. Finance, investment and business

13.45 – 15.30

Van Walsum Room

SP 10.1 Unlocking the potential of pastoralism: opportunities for adaptation and development in Africa's drylands

In the drylands of Africa, pastoralism is one of the most viable economic activities and also the most ecologically and culturally appropriate, particularly under a changing climate. However, the evidence based on which adaptation policy and investment decisions can be made is relatively poor. This session aims to share evidence from three programmes exploring the opportunities around climate-resilient livestock systems for adaptation in West and East Africa. Practitioners and researchers together will discuss ways to promote private sector investment and better economic integration of livestock markets in adapting to climate change at subnational, national and regional scales.

Organised by	Elizabeth Carabine, Climate and Environment Programme, Overseas Development Institute (ODI), United Kingdom
Partners	Kenya Markets Trust, Kenya Innovations Environnement Développement Afrique, Senegal
Chair	Eva Ludi, Overseas Development Institute (ODI), United Kingdom
Rapporteur	Chloe Stull-Lane, Adam Smith International Africa
Presentations	Livestock systems in a changing climate: options for resilient beef value chains in East and West Africa Ali Hassan, Kenya Markets Trust, Kenya Waounde Diop, University of Dakar, Senegal Mapping resilient livestock market systems in West Africa Catherine Simonet, Overseas Development Institute (ODI), United Kingdom Ending drought emergencies: Policies to enable a resilient pastoral economy in Kenya Elizabeth Carabine, Overseas Development Institute (ODI), United Kingdom

15.30 – 16.00 Break



Plenary

16.00 – 17.30

Rotterdam Hall

Moderator Vivienne Parry, United Kingdom

Speakers H.R.H. Princess Abze Djigma, AbzeSolar S.A., Burkina Faso
Sharon Dijksma, Minister for the Environment, the Netherlands
Miguel Arias Cañete, European commissioner for Climate Action and Energy (tbc)
Laura Canevari, Acclimatise, United Kingdom
Richard Klein, Stockholm Environment Institute (SEI), Germany

Award ceremony Young scientist best presentation and best poster award AF2016

FRIDAY

13 MAY 2016

- 1 Visit our biggest multifunctional water storage in the Netherlands!
- 2 We are going to simulate a flood!
- 3 Dordrecht flood management walking tour
- 4 IJsselmeer region
- 5 The water city of the future
- 6 Noordwaard expedition: lowering the dike to prevent flooding
- 7 Nijmegen Waal expedition: creating an urban river park
- 8 National Flood Protection Programme
- 9 Smart Solutions, great results
- 10 Subsoil water buffers to enlarge fresh water availability
- 11 Hondsbosche Sea wall
- 12 Experience the Delta Works
- 13 Amsterdam rainproof



Field trips

On Friday 13 May participants are offered a choice among 13 field trips (half day or full day). The trips will provide a good overview of how various places in the Netherlands have adapted to climate change over the centuries.

Costs € 35 (including travel, refreshments and packed lunch)

Field trip bookings [via the conference registration](#)

1

Visit our biggest multifunctional water storage in the Netherlands!

(site visit by bus and bicycle excursion)



In the Eendragtspolder several organisations together developed a recreation area, an international rowing course and storm water storage system to manage four million cubic meters of water.

The design and realisation of this 300 hectare multifunctional area required close and continuous cooperation. We combined our knowledge and created a typically Dutch solution for the problems caused by heavy precipitation in one of the most densely populated and lowest-lying areas in Western Europe: seven meters below sea level.

The excursion offers a breathtaking view of the Eendragtspolder site. It reveals Dutch experiences in technique and design, costs and the various processes of implementation. The regional water authority Schieland en de Krimpenerwaard is happy to tell you how it implemented this large scale water storage system, which keeps Rotterdam safe from flooding in times of extreme weather. Thereafter, you will have an opportunity to visit the water storage system by bicycle.

Organiser Water Authority Schieland en de Krimpenerwaard

Max number of participants 40

Times 09.00 – 14.00

2

We are going to simulate a flood! (site visit)



The excursion will take you by bus to Flood Proof Holland, the unique test and demonstration facility for innovative temporary flood defences and flood prevention measures in Delft. You will be able to see some of the latest innovations during a real life flood simulation. At Flood Proof Holland, Dutch entrepreneurs are working together with public parties, staff and students of various knowledge institutes (e.g. Delft University of Technology) to find innovative and practical means of protection against rising water. This facility is also used for testing and demonstrating other innovations related to water management. Over the last year, many national and international delegations and film crews (for example BBC and Discovery Channel) visited the site. For more info, please watch this video.

Organiser VPDelta

Max number of participants 40

Times 09.00 – 14.00

3

Dordrecht flood management walking tour (city tour)



Over centuries Dordrecht has developed by making use of the water surrounding the city. But the city has also been tested by the powerful combination of sea and river water. The Historic Harbour area of Dordrecht provides a good example of how people learned to live with the challenges of living in a delta. Both old and new water management approaches and measures can be observed while walking through Dordrecht's inner city. The walking tour ranges from a century-old sea dike protecting the city to new urban development sites based on living and working alongside the rivers.

Organiser City of Dordrecht

Max number of participants 40

Times 09.00 – 14.00

4

IJsselmeer region (field trip by bus and boat)



Since the construction of the IJsselmeer Dam in 1932, the IJsselmeer region has been protected against flooding by the North Sea. In addition, land could be reclaimed. The remaining waters constitute the Netherlands' most important freshwater reservoir. However, new challenges related to past and future water management issues have to be met. The delta programme provided us with adaptation strategies to guarantee water safety and freshwater supply, and to increase the flexibility of the water system. To improve water quality and biodiversity, nature development programmes were started. A further issue is the climate-proof development of the Amsterdam Metropolitan Region using the full potential of the lakes.

The success of these developments depends on the commitment to follow an integrated approach combining water management with nature development and recreational and economic goals. This field trip will take you to the IJsselmeer region. We will take a boat trip, enjoy the scenery and see several examples of innovative and multi-purpose projects in water management.

Organiser IJsselmeer Blue Challenge Platform

Max number of participants 40

Required wheather-proof clothing

Costs surcharge € 30

Times 09.00 – 18.00 (arrival time cannot be guaranteed due possible traffic jams in rush hour)

5

The water city of the future (city trip)



As a delta city, Rotterdam is vulnerable to the effects of climate change. Therefore the city council aims to ensure Rotterdam remains a pleasant living environment, where the impact of climate change on its residents is kept to a minimum. The measures that guarantee this help make it an attractive and liveable city.

Climate Proof ZoHo (Zomerhofkwartier) shows the implementation of the Rotterdam Climate Adaptation Strategy on the district scale aiming to make Zomerhofkwartier climate proof and at the same time a more resilient and vivid district. This field trip takes you by foot through the ZoHo district, the urban laboratory in Rotterdam where promising climate measures are combined with the urban transition and its local initiatives. Local experts will explain innovative projects like water square Benthemplein, raingarden, rain(a)way garden and Europe's biggest urban rooftop farm.

Organiser City of Rotterdam

Max number of participants 35

Times 09.00 – 14.00

6

Noordwaard expedition: lowering the dike to prevent flooding (site visit)



Flood prevention not by raising, but by lowering the dike? Remarkable but true. As part of the 'Room for the River' programme, the Noordwaard Polder (2000 ha), has been 'depolderised' through partial excavation of the dikes over several kilometres. This allows the river Nieuwe Merwede, one of the Rhine branches, to let its waters flow more rapidly seawards when water levels are high. This results in lower water levels upstream and consequently in increased water safety. After 'depolderisation', the central area of the Noordwaard is flooded several weeks per year, especially during the winter months. The plots outside this central catchment area remain (partly) suitable for agriculture and livestock. Residents continue to live and work on existing or newly constructed mounds. Nature and new recreation possibilities are created. We welcome you in the new Biesbosch Museum. Thereafter, the excursion proceeds to the beautiful and unique project area. You will get a true experience of flood protection within the Noordwaard polder.

Organiser Rijkswaterstaat, Room for the River programme

Max number of participants 40

Times 09.00 – 14.00

7

Nijmegen Waal expedition: creating an urban river park (site visit)



Nijmegen is situated alongside the River Waal at the Dutch-German border. Over the past 2000 years the river brought prosperity but also floods. Today, due to climate change more peaks in water levels are expected. Raising dikes will not be enough; innovative solutions are needed. In Nijmegen the dike will be relocated as part of the 'Room for the River' programme. As a result, the Waal will not flood as frequently as before and Nijmegen's waterfront will be safe. Nijmegen has successfully turned threats into opportunities. A river park is being built in the heart of the city, featuring an island shared by houses, nature, and leisure facilities. The old town (south bank) and the new town (north bank) are being transformed. The Nijmegen Waal expedition along urban riversides and the new island will allow you to see how the oldest town in the Netherlands is embracing the river – and the future.

Organiser City of Nijmegen

Max number of participants 40

Times 09.00 – 14.00

Picture © Thea van den Heuvel /DAPh

8

National Flood Protection Programme (site visit)



Seventy percent of the Dutch Delta is subject to flooding. To protect it, all 3500 kilometres of the Netherlands' prime water defences are inspected every six years. Higher peak discharges are expected in the near future. Dikes that need reinforcement are included in our National Flood protection programme. We invite you to visit two pioneering protection projects in the Rhine Delta. First of all, the dike improvement at the island of Dordrecht. In the densely populated old city of Dordrecht, citizens and regional government were closely involved in deciding about the most suitable flood protection method. Through a new multi-level safety concept, a combination of dike improvement, town planning and safety measures is being developed. To get there, the primary level of security, the dikes, are being reinforced at the west and east side of Dordrecht. Dealing with nature, agricultural and citizen interests, this 11 km project is an example of good stakeholders management and good collaboration between government and contractors. With a new innovative integrated contract, giving more responsibility to contractors. Second, the dike between the villages Kinderdijk and Schoonhoven is being reinforced. Two innovative techniques are used to keep the old dike houses intact. Houses are lifted to make room for the heightened dike. This all takes place in a scenic surrounding with historic windmills.

Organiser HWBP National Flood Protection Programme
Max number of participants 40
Times 09.00 – 18.00

9

Smart Solutions, great results (site visit)



Over 1,2 million people live and work in the area of the Delfland Water Authority. It is an important economic hub that includes cities such as The Hague, Delft and part of Rotterdam. It also contains the world's largest greenhouse horticulture area. The region is one of the most densely populated areas of the Netherlands and a large part is situated below sea level. The Water Authority plays a number of important roles. Continuous adaptation of the water system is needed to combat the effect of climate change and to facilitate further economic development. At the same time the area must be protected against flooding. The available space is limited. Smart, innovative and as a rule multi-functional solutions are needed. Close cooperation with local partners is a must. This field trip takes you along various innovative solutions in Delfland, ranging from measures in the urban area such as water plaza's and ingenious compartmentalisation solutions, to smart innovations in the greenhouse area.

Organiser Delfland Water Authority
Max number of participants 40
Times 09.00 – 14.00

10

Subsoil water buffers to enlarge fresh water availability (site visit)



Harbour cities, industries and productive agricultural soils make delta regions strategic centres of high economic value. However, climate change and the increasing demand for fresh water endanger the balance between salt and fresh water. We can increase the availability of fresh water by storing it underground. This field trip leads you to the show case Waterbuffer in the Westland area, the largest contiguous Greenport area in the world. We will present you with various subsoil fresh water storage solutions applied in the Dutch agricultural and horticultural sectors, varying from relatively simple, regulated drainage systems which improve existing fresh water 'lenses' to advanced vertical well designs to create fresh water bubbles. At this location we will also visit an ASR-installation (aquifer storage and recovery).

Organiser Waterbuffer Foundation
Max number of participants 40
Times 09.00 – 14.00

11

Hondsbossche Sea wall (site visit)



Until 2015, the Hondsbossche and Pettemer Sea wall was a weak link in the Dutch defence system against the North Sea. The coast was reinforced with sand. To plan the improvement of the 'Hondsbossche Zeeweer', the Water Authority Hollands Noorderkwartier, the province of North Holland and the Dutch national department of Public Works worked together. In addition, the province, together with some local municipalities and organisations for the preservation of nature, cooperated to make the coast more attractive. The coastal works are used to increase the potential for recreation, nature and tourism and to uplift the regional economy. Residents and local entrepreneurs offered their ideas to improve the plans. The contractor, van Oord-Boskalis, was free to come up with its own ideas for the implementation, while adhering to certain conditions to assure safety. Creative ideas and innovative techniques resulted in a beautiful design. We are happy to offer you an interesting tour with many highlights, each with its own story.

Organiser Water Authority Hollands Noorderkwartier
Max number of participants 40
Times 09.00 – 16.00

12

Experience the Delta Works (site visit)

A large part of the Netherlands lies below sea level. For a country as small as the Netherlands, relatively many big rivers discharge their waters into the sea. This makes the Netherlands vulnerable to flooding. In addition to this, we have to deal with rising sea levels, soil subsidence, increasing number of extreme storms, heavy rain and high river levels. Flood prevention is and will remain vital. The 13 Delta Works in the provinces of Zuid-Holland, Zeeland and Noord-Brabant protect us already for over 50 years against flooding. They are unique and complex seawalls. Register for an educational and fun outing to the main Delta Works.

Read more: website Delta Works

Organiser Experience the Deltaroute (Rijkswaterstaat (Ministry of Infrastructure and the Environment)/The Royal Dutch Touring Club ANWB)

Max number of participants 40

Times 09.00 – 17.00

13

Amsterdam rainproof (site visit)

Annual rainfall has increased in the last century and rains have become more intense. Amsterdam Rainproof is a movement of all Amsterdam citizens to prepare the city for extreme rainfall. They do that by implementing, in public and private spaces, many small measures that together increase the city's capacities to function as a sponge. Water-permeable pavement materials, green roofs and wall gardens: there are many solutions to prevent flood damage that at the same time embellish the city. The Amsterdam Rainproof programme (2014 – 2017) informs, inspires and connects residents, entrepreneurs, civil servants and scientists to build in rainproof measures in all physical changes in the city. The excursion takes you to a 'rainproof neighbourhood' and a water conserving roof: the polderroof.

Organiser Rainproof Amsterdam

Max number of participants 30

Times 09.00 – 14.00

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The poster sessions will be held on:

Tuesday, 17.30 – 19.00

Wednesday, 17.30 – 19.00

Theme 1. Cities and infrastructure

Challenges for urban resilience: the global crisis of urban water

Carlos Betancourth, Universitat Politècnica de Catalunya, Spain

Climate change adaptation in European cities: insights from responses to the CDP's cities programme

Markus Groth, Climate Service Center Germany (GERICS), Germany

A multi-hazard city level impact assessment for the concepción metropolitan area, Chile

Dahyann Araya Muñoz, University of Edinburgh, Edinburgh, United Kingdom / Pontificia Universidad Católica de Valparaíso, Valparaíso, Chile

Making Room for Water? Contested visions of urban adaptation and development in Jakarta

Kian Goh, Northeastern University, USA

Potential of urban vegetation for reducing heat-related hospital admission in western Sydney

Xiaoming Wang, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia

Urban adaptation planning in Asian coastal megacities: Jakarta as a case study
Cities and infrastructure

Yara Van Holten, Leiden University, Leiden, the Netherlands

The effects of training & distance on resilience: biogas interventions in informal urban settlements

Stefano Moncada, University of Malta, Malta

The U.S. adaptation resources and services landscape: an overwhelming array of resources

Sara Meerow, University of Michigan, USA

Design guidelines for thermally comfortable and attractive streetscapes in harbour areas

Wiebke Klemm, Wageningen UR, the Netherlands

Guidelines for adaptation to climate change in city planning and spatial design

Bart Van Gassen, Tractebel Engineering, Belgium

Demonstrating adaptation: the pivot towards climate adaptive storm water management in Miami beach

Galen Treuer, University of Miami, USA

Adding the scenic benefits as an element in cost-benefit analysis of green roofs

Väinö Nurmi, Finnish Meteorological Institute, Finland

Theme 2. Food, forestry and rural livelihoods



- Can mangroves help combat sea level rise through sediment accretion and accumulation?
Abu Hena Mustafa Kamal, Universiti Putra Malaysia Bintulu Campus, Malaysia
- Effects of climate change on natural resource base of the Valley bottoms in central Kenya region
Hellen Kamiri, Karatina University-Kenya, Kenya
- Future potential productivity: an analysis of global crop yield using process based model
Gen Sakurai, National Institute for Agro-Environmental Sciences, Japan
- Smallholder Farmers' Perception of Climate Change and Strategies to Facilitate Climate Smart Farming
Adeola Alo, Royal Agricultural University, United Kingdom
- The role of in-farm adaptation strategies on smallholders' food availability in Central America
Bárbara Viguera, Tropical Agricultural Research and Higher Education Center (CATIE), Costa Rica
- Rural livelihoods and cropping pattern under climate change in the Zio District of Togo, West Africa
Martial Amou, West African science service Center on Climate Change and adapted Land Use (WASCAL), Benin
- Measuring vulnerability index for climate change impact on agricultural production in India
Satya Venkat Prasad Mulakalapalli, GITAM University, India
- Gender and climate change adaptation technology needs of oil palm farmers in Edo State, Nigeria
Margaret Koyenikan, University of Benin, Nigeria, Nigeria
- Mapping of multiple stressors contributing to vulnerability across scales in semi-arid zone of Ghana
Philip Antwi-Agyei, Kwame Nkrumah University of Science and Technology, Ghana
- Mapping experience and adaptation to climate change across two semi-arid rural sites
Saurabh Sood, S.M. Sehgal Foundation, India
- Improving climate change adaptation practices: lessons from smallholder commercialisation in Ghana
Rex Gerchie, University of Ghana, Ghana
- Between rainfall and windfall: assessing vulnerability to climate change in an agricultural economy
Olawale E. Olayide, University of Ibadan, Nigeria
- Coping with climate variability and water stress in rainfed farming of India: a study
Dhananjay Dutta, Bidhan Chandra Krishi Viswavidyalaya, India
- Analysis of effects of climatic dynamics on vegetal cover: adaptation lessons from Nigeria
Angela Ogechi John-Njoku, Ministry of Education, Nigeria
- Assessing rural farm households perception and adaptive capacity to climate change in Nigeria
Olaniran Thompson, Federal University of Technology, Nigeria

Women's adaptive innovations in land and water management under climate change in Himalaya

Bhagwati Joshi, Government Post Graduate College, India

Adaptive capacity and factors that influence adaptation strategies among Kassena Nankana Farmers

Louisa Kabobah, University of Ghana, Ghana

Assessing vulnerability and adaptive capacity to potential drought for winter-wheat in China

Yingchun Li, Chinese Academy of Agricultural Sciences, China

Theme 3. Fresh water availability and access



Assessing community capacity towards climate induced water shortages in urban cities
Sandhya Sri Bonela, AVN College, India

A waterharmonica to close loops and to enhance availability of fresh water and environmental values

Ingrid ter Woorst, Delfland Water Authority, Delft, the Netherlands

Water and climate change on average Garonne: adaptation as a bargaining unit

Guillaume Simonet, Institute for Climate Economics (I4CE), France

The Dutch Delta programme: applying the NEXUS approach for a resource efficient and circular economy

Stijn Reinhard, Wageningen UR, the Netherlands

Evaluation of small scale water harvesting techniques for water supply in semi-arid environments

Ralph Lasage, Institute for Environmental Studies (IVM), VU University Amsterdam, the Netherlands

Climate adaptation to water scarcity in glacier-dependent city of the Indian Himalayas
Shailendra Mandal, National Institute of Technology Patna, India

Water quality index for the evaluation of irrigation water quality using geospatial technology

Pavan Kumar, Kumaun University, India

Studies on iron pollution in ground water samples of Dandakaranya Area, Chhattisgarh State, India

Anand Kamavisdar, Ministry of Science & Technology, India

Theme 4. Public health



Impact of climate change on vulnerable medicinal plants

Tabassum Fathima, Trans-Disciplinary University, India

Theme 5. Ecosystems and ecosystem based adaptation



Ecosystem-based adaptation assessment, implementation and policy: lessons from multi-country projects

Camila Donatti, Conservation International, USA

Ecosystem-based adaptation approaches as an integral component of sustainable groundwater management

Andreas Antoniou, GRAC, the Netherlands

Development of climate change risk assessment and delivery of adaptation in the natural environment

Paul Munday, Atkins, United Kingdom.

Exploring benefits and co-benefits of ecosystem-based approaches to support urban adaptation

Eliška Krkoška Lorencová, Global Change Research Centre (CzechGlobe), Czech Republic

Framing climate adaptation in nature conservation: stakeholder perspectives in Dutch brook valleys

Hens Runhaar, Utrecht University, the Netherlands

Perennial fresh water

Aisha Khan, Mountain and Glacier Protection Organization (MGPO), Pakistan

Linking plant diversity and soil properties to the climatic resilience of farmland riparian buffer

Emmanuel Amoah Boakye, Université Felix Houphouët Boigny, Côte d'Ivoire

Adaptation tipping points of urban wetlands under climate change and urbanisation

Amar Nanda, The University of Western Australia, Australia

Climate change impact assessment on natural forests in Japan and adaptation measures

Tetsuya Matsui, Forestry and Forest Products Research Institute, Japan

The impact of human interferences on bee diversity: problem and solution

Mohamed Shebl, Suez Canal University, Egypt

Theme 6. Disaster risk reduction



Social network maps for understanding community preparedness and response: an Alpine case study

Lydia Pedoth, European Academy Bolzano (EURAC), Italy

Disaster risk management and financial supervision

Christian Unterberger, Karl Franzens University Graz, Austria

Live at sea as an adaptive solution: a pattern language for floating cities

Luciana Araujo, Federal University of Rio de Janeiro (UFRJ), Brazil

Unfolding differential livelihood vulnerability for disaster resilience in Indian sundarbans

Subhakanta Mohapatra, Indira Gandhi National Open University (IGNOU), India

Barriers and opportunities for CCA/DRR along the mid-Atlantic coast from stakeholders perspective

Anamaria Bukvic, Virginia Tech, Blacksburg, USA

Towards a disaster risk reduction lessons learned portal for EL Nino: insights from South Africa

Marie-Ange Baudoin, University of Cape Town, South Africa

Coping with flooding in informal settlements in rapidly urbanising peripheries in the Mumbai region

Nidhi Subramanyam, International Development Research Centre, Canada

Vulnerability of Almeria watershed to man-made and natural hazards

Arturo Esclamado Pasa, Visayas State University, Philippines

Indigenous knowledge and resilience in climate variability and change: Chereponi, Ghana and Oti, Togo

Alberta Aryee, Université de Lome, Ghana

Cross-cutting issue 8. Risk assessment, adaptation planning and evaluation



Communicating climate change: exploring effects of climate change and adaptation training workshops

Claire Van Wyk, University of Cape Town, South Africa

WaterVision: climate-robust assessment of optimal water management for nature and agriculture

Ruud Bartholomeus, KWR Watercycle Research Institute, the Netherlands

Adaptation research – getting information into the right hands

Sarah Boulter, National Climate Change Adaptation Research Facility (NCCARF), Australia

Shaping climate resilient development – open-source adaptation

David N. Bresch, Swiss Re, Switzerland

Measuring and predicting the effect of land use change on climate adaptation capacity

Andrea Chu, National Taiwan University, Taiwan

Adaptation to the impacts of climate change in Scottish island communities

Fiona Cunningham, University of St Andrews, United Kingdom

Increasing resilience in adaptation planning through robust and non-regret decision-making

Xavier Espinet, Resilient Analytics, USA

Situating climate change risks in socio-economic vulnerabilities: case study from northern Ethiopia

Million Gebreyes, University of Bonn, Germany

The 'future cities adaptation compass': a tool to assess vulnerability & adaptation options easily

Bjoern Gruen, Emschergerossenschaft/Lippeverband, Germany

Adaptation to climatic hazards in coastal Taiwan communities: building effective warning systems

Hung-Chih Hung, National Taipei University, Taiwan

When is it 'good enough'? Comparing datasets for tick-borne disease surveillance and adaptation

Amy Poole, Department of Geosciences, East Tennessee State University, Johnson City, USA

Multi-sectoral drought strategies. The World Bank pilot experiences and next steps

Marcus Wijnen, The World Bank

Insights on bringing climate change adaptation on to the sub-national political agenda in Ecuador

Nadia Manasfi, Gesellschaft für Internationale Zusammenarbeit (GIZ), Ecuador

Role of participatory approaches and communication in the implementation of the NAPAs and NAPs

Federica Matteoli, Ca Foscari University, Italy

Knowledge empowering adaptation: climate change, sea level rise and local governments

Jean Palutikof, Griffith University, Australia

Participatory development and application of progress indicators for local adaptation plans

Cristóbal Reveco, Adapt-Chile, Chile

A global analysis of adaptation case studies: state of the art

Jenny Tröltzsch, Ecologic Institute, Germany

Evaluating the effectiveness of climate change communication and discussing future research

Gregor Vulturius, Stockholm Environment Institute (SEI), Sweden / University of Edinburgh, United Kingdom

Towards a methodological framework for participatory research on adaptation in a sectorial context

Åsa Gerger Swartling, Stockholm Environment Institute (SEI), Sweden

The Vulnerability, Impacts, Adaptation, and Climate Services Advisory Board (VIACS AB) for CMIP6

Alex Ruane, NASA Goddard Institute for Space Studies, United States

Global climate risk management: introduction to ICA-RUS report 2015

Kiyoshi Takahashi, National Institute for Environmental Studies, Japan

An assessment of the adaptation scenarios for the Croatian coast

Jochen Hinkel, Global Climate Forum, Humboldt Universität zu Berlin, Germany

Mechanisms that can be used for improving adaptation planning evaluated using Blooms taxonomy

Andrew Dunningham, Scion, Rotorua, New Zealand

Priorities and options for adaption to changing flood risks in the EU

Laurens Bouwer Deltares, the Netherlands

Managing Water quality in the face of climate and other uncertainties

Robert Lempert, RAND, USA

Smart use of flood-risk management resources starts with a flood risk vision

Hanneke Vreugdenhil, HKV Consultants, the Netherlands

The potential uses of climate analogues for awareness-raising and urban climate adaptation

Guillaume Rohat, University of Geneva, Switzerland

A framework for evaluating and comparing climate change adaptation in US cities

Chen Chen, University of Notre Dame, USA

Integrated approaches to analysis and deliberation in community climate risk management

Christopher Moore, Simulation for Collective Action, Berlin, Germany

A way forward for mainstreaming measures for flood resilience in development projects

Jeroen Rijke, UNESCO-IHE, the Netherlands

Migration as adaptation to climate change in Mahanadi Delta

Sugata Hazra, Jadavpur University, India

Current adaptation and planning priorities at the district level: Volta delta case study

Adelina Mensah, University of Ghana, Ghana

Asset-based analysis of social vulnerability of inner city of Ile-Ife, Nigeria

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Climate change adaptation in small and medium-sized cities: an example from the Czech Republic

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Yasuaki Hijioka, National Institute for Environmental Studies, Japan

Cross-cutting issue 9. Institutions and governance



What constitutes transformation? Reviewing adaptation to social-ecological risks in semi-arid lands

Roger Few, University of East Anglia, United Kingdom

Risk perceptions, awareness and status quo of climate change adaptation in Austrian municipalities

Brigitte Alex, University of Natural Resources and Life Sciences, Austria

Adaptation and the big picture: an evaluation of multi-scalar linkages and barriers in Nunavut

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A multi-sector-partnership in transnational risk management – challenges for the Wadden Sea Forum

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Non-market loss and damage evaluation

Petra Tschakert, University of Western Australia, Australia

Assessing the institutional constraints to adaptation through social network analysis in Tabasco(MX)

Elisa Calliari, University of Venice, Italy

Improving social-ecological governance in Atlantic Canada communities to adapt to climate change

Liette Vasseur, Brock University, Canada

Social services in five Nordic countries in times of disaster

Ingibjörg Lilja Ómarsdóttir, University of Iceland, Iceland

Adaptation planning and the use of climate projections in local government in England and Germany

Susanne Lorenz, University of Leeds, United Kingdom

From a typology of adaptation strategy to adaptation pathways

Sandrine Dhenain, UMR G-EAU, IRSTEA, France

Climate change mitigation and adaptation: perceptions, planning and action at the municipal level

Gil Penha-Lopes, University of Lisbon, Portugal

Is scientific knowledge used for the implementation of sectoral adaptation policies in Europe?

Eleni Karali, Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Italy

Opportunities for adaptation in Central America: a view from decision makers in agriculture

Ruth Martinez, Conservation International, Costa Rica

Governance to respond to climatic impacts: evaluating the Paris outcomes for policy and practice

Soenke Kreft, Germanwatch / United Nations University, Germany

A case for Adaptation Laboratories? The potential for radical realignment of adaptation paradigms

Stephen Woroniecki, Lund University, Sweden

Media discourse analysis on climate change in Chile: construction of public and political agendas

Paulina Aldunce, University of Chile, Chile

Monitoring and evaluating climate adaptation governance in Sweden

Lisa Van Well, Swedish Geotechnical Institute, Sweden

Local institutions and climate change adaptation governance in hindu kush himalaya

Prakash Chandra Tiwari, Kumaun University, India

USAID's experience on climate-resilient development and national adaptation planning

Joel Smith, Abt Associates, USA

Bringing the triple bottom line perspective for climate resilience in infrastructure planning

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Climate change adaptation policies in agriculture and rural development sector in Vietnam

Pham Thi Dung, Ministry of Agriculture and Rural Development, Vietnam

Bolivian climate change adaptation experiences from the Altiplano norte region and Beni department

Dirk Hoffmann, Friedrich Ebert Foundation (FES) and Bolivian Mountain Institute (BMI), Bolivia

Cross-cutting issue 10. Finance, investment and business



The use of non-monetary metrics in adaptation decision-making

Josselin Rouillard, Ecologic Institute, Germany

Short term adaptation cost? The case of Mauritius as a small island developing state

Lutchmeeduth Bullywon, Ministry of Finance, Mauritius

Life & adaptation to climate change

Panagiotis Fetsis, NEEMO EEIG, Belgium

Enhancing climate change adaptation funding in Africa through microfinance

Dumisani Chirambo, Brandenburg University of Technology Cottbus- Senftenberg, Germany

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- Rob Swart, Wageningen UR, the Netherlands
- Sebastian Vicuña, Pontificia Universidad Católica de Chile, Chile

Cross cutting issue 9. Institutions and governance

- Tiago Capela Lourenço, Lisbon University, Portugal (lead convenor)
- Mike Brklacich, Carleton University, Canada
- Peter Driessen, Utrecht University, the Netherlands
- Jochen Hinkel, Global Climate Forum, Germany
- Robert Kibugi, Centre for Advanced Studies in Environmental Law (CASELAP) and the School of Law, University of Nairobi, Kenya
- José A. Marengo, National Center for Monitoring and Early Warning of Natural Disasters (CEMADEN), Brazil

Cross cutting issue 10. Finance, investment and business

- Reinhard Mechler, International Institute for Applied Systems Analysis, Austria (lead convenor)
- Anthony Bigio, The George Washington University, USA
- Pieter Pauw, German Development Institute, Germany
- Åsa Persson, Stockholm Environment Institute (SEI), Sweden
- Timmons Roberts, Brown University, USA
- Swenja Surminski, London School of Economics and Political Science, United Kingdom
- Paul Watkiss, Paul Watkiss Associates / University of Oxford, United Kingdom

Local Organising Committee

- Florrie de Pater (chair), consultant Climate and Water
- Matthijs van den Brink, Ministry of Infrastructure and the Environment
- Iris Dijkers, MCI, Conference Secretariat
- Bart van Gent, Ministry of Foreign Affairs
- Sophie Sanders, MCI, Conference Secretariat
- Ottelien van Steenis, Wageningen UR Alterra

Adaptation Expo

The Adaptation Expo is at the heart of our conference. During the three-day conference this will be the central place to share practices and solutions. Over 1500 conference participants can view exhibitions, projects, tools and poster presentations.

Business Fair

The Business Fair takes place amidst the Adaptation Expo, which offers an inspiring atmosphere where people from businesses, governments, science institutes and NGOs connect. Companies and organisations will showcase their latest products and innovative solutions. Interested exhibitors can book a booth in one of the conference theme based pavilions.

Project Expo

At the Project Expo, exhibitors will highlight innovative adaptation solutions that go beyond mainstream solutions. Focus of the projects is on best practices and lessons learned.

Posters

Scientific abstracts are at the basis of the poster sessions (page 153). All these posters will also be shown at the Adaptation Expo.

Tool Shed

The Tool Shed – a special pavilion at the Adaptation Expo – will demonstrate adaptation tools that the organisation of AF2016 finds suitable for presentation. A programme will be made and published in the programme book. Updates on the Tool Shed can be found on our website. Presentations/demonstrations last for between 20 and 30 minutes. They will be given at the same time as the parallel sessions.

Business Day

A special business day takes place on Wednesday 11 May. This includes a business round table (RT 3 Business for Adaptation: challenges & opportunities) and special networking opportunities (executive breakfast, matchmaking facilities). Besides the general programme, special climate adaptation sessions tailored to business will be organised. Sessions will focus on themes such as:

- climate adaptation & SMEs (PR 10.1)
- accountants & adaptation (PR 10.2)
- climate insurance & PPPs (PR 10.3)
- private adaptation finance (PR 10.6)
- adaptation innovation & opportunity (SP 10.4)

SMEs and other companies/organisations will take the stage to pitch novel adaptation products in our pitch sessions (PR 10.7). Additionally, organisations and companies will showcase ground-breaking climate adaptation tools in the Tool Shed.

Venue of the conference

Location

Located in the heart of Rotterdam, the Postillion Convention Centre WTC Rotterdam offers a full service concept. The 37 different rooms accommodating from 10 to 1000 people do not only vary in size but also in ambience and design. The venue is ideally for organising conferences, exhibitions, meetings or events. With the green, elliptical office tower and the grand staircase at the entrance and catchers monument radiates naturally allure.

Green standards

Postillion Convention Centre WTC Rotterdam has consciously chosen a sustainable policy, maintaining the standards of the International Green Key.

Postillion Convention Centre WTC Rotterdam
Beursplein 37
3001 DB Rotterdam
The Netherlands



Accessibility

The Postillion Convention Centre WTC Rotterdam (streetview) is located in the business centre of Rotterdam and is easily accessible by both public transport and car. Car parking facilities are available in the Centre's own multi-storey car park, and for public transport the metro station Beurs is just outside the building.

Carbon footprint

Adaptation Futures 2016 is about climate change and adaptation. This obliges the organisation even more to minimise the carbon footprint of the conference. Carbon dioxide emissions will be reduced through efficiency and conservation in the use of electricity, paper, supplies and travel. Not only will we do an effort to minimise the carbon footprint, we also look at issues of social responsibility, pollution and water saving. We encourage participants to offset their CO₂ footprint for their flight. We will offset the carbon emissions for the flights AF2016 is paying for.

Read more on the conference [website](#)

Contact

Adaptation Futures 2016 Organising Committee

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Colophon

Graphic design

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Photographs

Cover above left, below right: @Kadir van Lohuizen/Noor
 Polar bears and mountain flowers: @Florrie de Pater

Hosts

Adaptation Futures 2016 is hosted by PROVIA, the European Commission and the Government of the Netherlands.



www.adaptationfutures2016.org