

# Work Plan 2006

and

# Activities Report 2005

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## Abbreviations

ADAPTS	Adaptation to Changing Environments. (IVM and Both Ends programme on adaptation)
CPWC	Co-operative Programme on Water and Climate
CSD	Commission Sustainable Development (UN)
CUR	Stichting Civiel Technisch Centrum Uitvoering, Research en Regelgeving
DGIS	Directorate General International Cooperation
EU	European Union
FVI	Flood Vulnerability Index
GWP	Global Water Partnership
IPCC	Intergovernmental Panel on Climate Change
ISET	Institute for Social and Environmental Transition
ISFD 3	Third International Seminar on Flood Defense, Nijmegen,
IUCN	International Union for the Conservation of Nature
IVM	Instituut voor Milieuvraagstukken (VU, Amsterdam)
IWA	International Water Association
IWMI	International Water Management Institute
JWF	Japan Water Forum
KvR	Klimaat voor Ruimte (Dutch consortium programme)
KNMI	Koninklijk Nederlands Meteorologisch Instituut
LmW	Leven met Water (Dutch consortium programme)
MDG	Millennium Development Goal (UN)
MNP	Milieu en Natuur Planbureau
NBI	Nile Basin Initiative
NCAP	Netherlands Climate Assistance Programme (ETC)
NeWater	New Approaches to Adaptive Water Management under Uncertainty
NFWC	Netherlands Foundation Water and Climate
NVA	Nederlandse Vereniging voor Afvalwater
NWP	Netherlands Water Partnership
PvW	Partners for Water
RIKZ	Rijks Instituut voor Kust en Zee
RWS	Rijks Waterstaat
SASOL	Sahelian Solutions Foundation (NGO, Kenya)
SEI	Stockholm Environment Institute
SIWI	Stockholm International Water Institute
TU Delft	Technical University, Delft
IYRF	International Yellow River Forum, China
UNESCO-IHE	UNESCO-IHE Institute for Water Education
VU	Vrije Universiteit, Amsterdam
WL	Delft Hydraulics, Delft
WMO	World Meteorological Organization
WUR	Wageningen University and Research Center
WWC	World Water Council
WWF-4	World Water Forum 4

# 1. Introduction

The Co-operative Programme on Water and Climate (CPWC) started on January 1<sup>st</sup> 2004 with an Inception Phase. CPWC followed the Dialogue on Water and Climate (September 2001 till December 2003). From January 2004 till December 2004 DGIS provided a bridging subsidy of K €500. This subsidy has been budget neutrally extended till December 2005 to support CPWC activities.

This document presents the Work Plan of the CPWC for the period January 1<sup>st</sup> – December 31<sup>st</sup> 2006. The activities of 2005 and the expenditures are reported in the Activities Report 2005, annexed to this Work Plan.

The Work Plan elaborates activities in the categories presented in the CPWC Programme Document Volume I of April 2004.

The categories in this Work Plan are:

- a. Coping Partnerships;
- b. Science and Research;
- c. Education and Training;
- d. Information networks;
- e. Events (policy/science debate).

CPWC supports activities in the categories 'Coping Partnerships', 'Science and Research' and 'Education and Training'. The 'added value' of CPWC to these activities is that it encourages partnership building between actors within these categories. In addition, CPWC facilitates the dissemination of the outcomes of the partner activities through its cross cutting activities under 'Information Networks' and 'Events'.

The relation between the categories of activities and the cross cutting activities is presented in Figure 1.

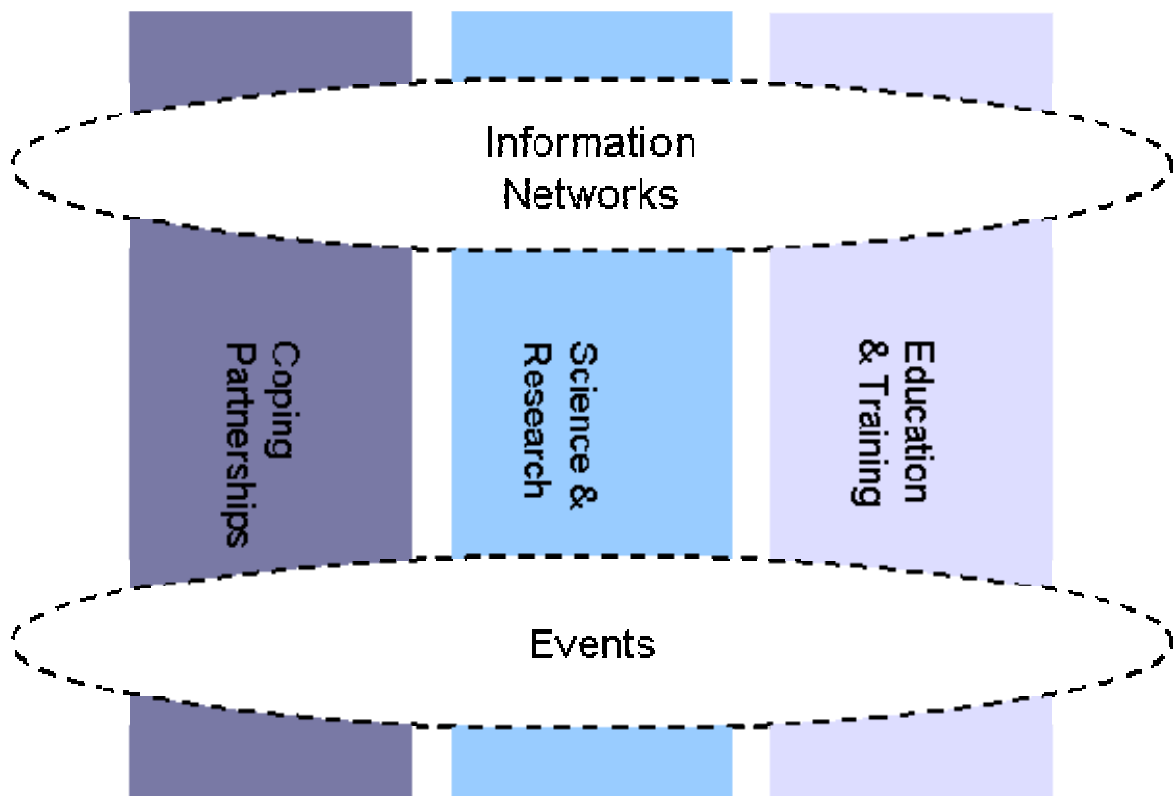


Figure 1. CPWC categories of activities

For each of the categories the Work Plan presents a brief description of the scope, the added value of CPWC, the specific activities and their outputs, and the inputs.

## 2. Activities

### 2.1. Coping partnerships

CPWC encourages local actions to cope with the impacts of climate change by local partnerships at local, national, basin and regional level.

CPWC will continue its links with existing coping partnerships (from the DWC) and stimulate new multistakeholder coping partnerships of local and international partners with Netherlands partners in selected countries and regions, in particular aimed at the most vulnerable communities.

#### 2.1.1. Added value

Presently very few if any dedicated Water and Climate projects are supported by international funding agencies such as DGIS. Under the DWC 18 dialogues for adaptation activities were initiated. Since then CPWC has been identifying opportunities for such projects and supports opportunities for development of coping partnerships between Netherlands and local institutions. It contributes 'seed money' to the formulation of project proposals, it appraises the proposals and recommends coping proposals to potential financiers e.g. ADB, GEF, DGIS etc.

#### 2.1.2. Activities/ Outputs

In 2006, CPWC will support the development of partnerships and activities in the following countries and regions:

##### 1. ADAPTS

The ADAPTS project has identified 7 basins for the development of adaptation plans. DGIS is expected to finance a Definition Phase for the selection of 4 out of the 7 basins to prepare adaptation plans.

##### *Output*

- Adaptation project plans for 4 ADAPTS basins.

##### 2. China

Following up on the Yellow River Basin Dialogue on Water and Climate in 2002, CPWC was invited by the Yellow River Commission to organize a workshop on Water and Climate during the Second International Yellow River Forum in October 2005. At the Forum the preparation of a joint project on Water and Climate will be discussed to be jointly formulated by the YRC and Dutch partners in 2006. The YRC will provide counterpart staff and facilities.

##### *Output*

- Project proposal on mainstreaming climate into Yellow River water sector.

##### 3. Indonesia

CPWC has been approached by the CUR and RWS to explore the possible development of a coping partnership on Water and Climate in the Ciliwung basin.

The target is to develop coping measures (spatial planning and structural measures) to protect poor riverside dwellers against floods. This is a follow up to an earlier spatial planning/floods project in the Ciliwung basin.

CPWC will explore the formulation of a Water and Climate activity in Indonesia in consultation with Indonesian and Dutch contacts. The Indonesian counterparts will provide counterpart staff and facilities.

##### *Output*

- Project proposal for the Ciliwung basin.

#### 4. To be identified

In the course of 2006 locations for three more potential coping partnerships will be identified.

#### Output

- 3 coping partnerships will be identified, and the preparation of adaptation proposals will be initiated.

#### 2.1.3. Inputs

Table 1 presents the locations, partner institutions, objectives, CPWC support (financial and staff time) and outputs. The budgets are in K €.

Table 1: Proposed coping partnerships, CPWC support, estimated project budget and CPWC staff inputs

Location	Partner Institutions	Objectives	CPWC support (K€)	CPWC staff time (days)	Output
ADAPTS	IUCN, IVM, Both Ends	Methodology development on mainstreaming climate into IWRM. Definition of climate adaptation plans In 4 basins		20	Publications and presentations on mainstreaming Methodology  Definition plans for 4 basins
China	YRC, WL	Impact and coping options study	30	30	Definition Plan Yellow River
Indonesia	CUR, RWS	Coping options for the poor	30	30	Identification report
Tbi	tbi	Identification of 3 new coping partnerships	30	37	3 coping partnerships identified
<b>Total</b>			<b>90</b>	<b>117</b>	

## 2.2. Science and Research

The Science and Research consortium of CPWC continues the work of DWC. The Science and Research consortium is co-ordinated by WUR (portfolio holder). The consortium identifies and develops co-operation between Netherlands institutions and scientists (KNMI, MNP, UNESCO-IHE, IVM, WL and others) with scientists abroad.

### 2.2.1. Added value

- The DWC was a unique initiative that strengthened cooperation between Water sector professionals and Climate scientists. Now, Water and Climate/Risk Management are a set item on water policy agenda's. CPWC will continue this work in close cooperation with partners including WMO, IPCC, UNFCCC, WWC, GWP, JWF, UNESCO etc.;
- Identification and initiation of science and research projects and partnerships;
- Production of research publications and articles;
- Seeding money.

### 2.2.2. Activities/ Outputs

#### 1. Coping Compendium

DWC found a lack in capacity development programmes and training materials on Water and Climate. CPWC initiated the preparation of a Coping Compendium. The Coping Compendium will be produced by CPWC (WUR) in cooperation with ISET (USA) with inputs from CPWC partners in the Netherlands and abroad.

#### Output

- Preparation annotated agenda and editorial board, 2005;
- Draft Coping Compendium to be presented/discussed at WWF-4, March 2006;
- Presentation final Coping Compendium at IWA Aquatech, September 2006.

## **2. Climate, land use, and water**

Joint research work under the global DWC identified the need for two specific research activities on the relation between climate, land use and water:

- The production of a Manifesto on the relation between Risks and MDGs for WWF-4;
- The development of a water module into the IMAGE framework model to enable scenario-based research on the impacts of climate and land use on water.

Both these activities have global significance and will – through CPWC – be offered to the global policy debate at CSD, COP/UNFCCC, WWF-4, Stockholm Water Week etc.

### ***Output***

- Definition phase, 2006;
- First prototype model, 2007;
- Manifest, final document ready, March 2006.

## **3. IPCC**

The DWC established a contact with the IPCC. In return, IPCC invited DWC to contribute to its work. CPWC will continue to work for:

- **Fourth Assessment Report**  
CPWC's Pavel Kabat is one of the Lead Authors of the Working Group II for the chapter Water & Climate;
- **Special Technical Report on Water and Climate**  
CPWC facilitates the preparations for the Special Technical Report on Water and Climate. In preparation for the Special Technical Report, a scoping workshop will be organized by CPWC in The Netherlands, late 2006.

### ***Output***

- Meeting lead authors review, January 2006;
- First order draft, April 2006;
- Final draft, November/December 2006;
- Definition meeting Special Technical Report in the Netherlands, late 2006.

## **4. Adaptive Management**

CPWC is member of the Newater consortium (EU funded) under which:

- The concept of adaptive management is studied;
- A review is carried out of the EU IWRM portfolio on its adherence to IWRM and its climate robustness;
- A European and global platform is established on Adaptive Management.

CPWC actively participates in the global and European platforms, and facilitates the dissemination of the outcomes for example at WWF-4 and Aquatech.

### 2.2.3. Inputs

The inputs into the activities of the Science and Research portfolio are summarized in table 2.

Table 2: Activities, inputs, outputs and other financiers of Science and Research

Activity	CPWC input financial (K€)	CPWC office time (days)	WUR (days)	Output	Other finance/contributions
Coping Compendium	54	25	48	Compendium Document on Risk Management	UNESCO-IHE, WL and many other contributors (national and international)
Climate, land use, and water		8	40	1. Manifest on MDGs and Risks 2. Model and research on links	MNP (40 days)
IPCC		4	10	Several contributions to IPCC	IVM and ETC
Newater		17	50	Reports and Events on IWRM and adaptive management	Network of institutions including UniOsnabruck and many others mainly in Europa
<b>Total</b>	<b>54</b>	<b>54</b>	<b>148</b>		

\* It is estimated that 148 days will be contributed by the WUR as counterpart contribution to the above activities.

## 2.3. Education and Training

The Education and Training consortium is co-ordinated by UNESCO-IHE (portfolio holder). The Education and Training consortium of CPWC continues the work of the DWC. The consortium identifies and develops co-operation between Netherlands institutions (KNMI, WL, WUR, IVM, IAC, ETC and others) with partners abroad.

### 2.3.1. Added value

- Identification and initiation of education and training projects and partnerships;
- DWC started the development of education and training materials on Water and Climate. CPWC will continue this;
- Highlighting the importance of Education and Training in policy debate and international fora or activities;
- Seeding money.

### 2.3.2. Activities/ Outputs

CPWC supports and facilitates the development of Education and Training activities. For 2006, the following activities will be initiated resp. carried out:

#### 1. W&C Summer school

CPWC will prepare a Summer School on Water and Climate for the summer of 2006. Activity leaders: UNESCO-IHE and WUR.

#### Output

- International Summer School on Water and Climate attended by minimally 20 participants from abroad. Curriculum development (including lecturers) and development of instruction materials.

#### 2. Nile Basin

At the request of the African Ministers Conference on Water CPWC initiated the development of an Education and Training cum Research programme in the Nile basin.

Partial financing has been acquired for implementation. Over 2006 implementation will be continued while further funding will be sought.

Activity leaders: UNESCO-IHE and WUR.

#### Output

- Identification of at least 3 training modules and their development.



### 3. Task Group

CPWC supported an inventory by UNESCO-IHE on Water and Climate for the development of the Training & Education portfolio. As a result UNESCO-IHE has established a Task Group on Water and Climate with links to WUR, IVM, MNP and RIKZ.

#### Output

- The Task Group will further develop the portfolio for Water and Climate, including activities, modules etc.

### 4. Post-grad high-level Research

CPWC will support a scholarship for the post-grad high-level Water & Climate research project of UNESCO-IHE/IVM and START.

#### Output

- Selection of 2 very talented researchers from abroad for PhD research of interest relevant to Dutch research institutions.

### 5. Module Development

CPWC contributes to the identification and development of Training Modules on Water and Climate (risks, coastal zones, river engineering, floods, governance etc.).

#### Output

- Minimally 3 modules for Education and Training programmes.

### 6. Flood Vulnerability Index

Upon request of the JWF, CPWC initiated contacts between Japanese and Dutch institutions on the development of the Flood Vulnerability Index. CPWC continues to stimulate co-operation between Japan and The Netherlands on the FVI development for:

- Decision-making;
- Education;
- Public awareness.

#### Output

- Strengthened co-operation between Japanese (I CHARM and JWF) and Dutch institutions (UNESCO-IHE, CHR, TU Delft) on FVI development, validation and dissemination as well as application.

### 2.3.3. Inputs

Table 3 presents the activity, CPWC support (financial and staff time), outputs and other contributions (in kind). The budgets are in K €

Table 3: Proposed Training and Education activities, CPWC support, estimated project budget and CPWC staff inputs, and other contributions

Activity	CPWC inputs		UNESCO-IHE (days)	Output	Other contributions
	(days)	(K€)			
Summer School	5		10	Summer School programme	WUR
Regional Education and Research project in Nile basin	5		30	Nile Water and Climate project	WUR, IMTR, WMO, UNESCO
Task Group	5		10	Portfolio development	
Module development	5		80	FVI module Coastal zones Risk management	IVM, RIKZ, MNP etc.
High level Post Doc programme	2	30	10	START project	
FVI	5		20	FVI tool, education module, awareness raising materials	JWF, CHR
<b>Total</b>	<b>27</b>	<b>30</b>	<b>160</b>		

\* The staff time inputs of an estimated 160 days (Bresser, van der Meulen, Gupta, Gijzen, de Schutter) are contributed by UNESCO-IHE to CPWC activities.

## 2.4. Information networks

### 2.4.1. Added value

CPWC disseminates relevant information and outcomes of the activities under the categories 'Coping Partnerships', 'Science and Research' and 'Training and Education' through its information network activities. For advocacy purposes, it produces awareness raising materials.

### 2.4.2. Activities/ Outputs

#### 1. Website and newsletter

CPWC uses its website and newsletter to inform CPWC members about developments in Water and Climate as well as risk management, and contributes to websites of Netherlands partners e.g. NWP, European Water Management News etc.

The website provides news, articles, presentations, documents and a list of upcoming activities and events. It also includes links to many other relevant information networks including websites of international initiatives and partners (WWC, WWF, IWA, WMO etc.).

#### Output

- Four (quarterly) newsletters;
- Weekly updated website with up to date information.

#### 2. Awareness raising and communication materials

CPWC presents its work in presentations & publications, flyers, brochures, articles etc., and through these materials maintains and extends its network of contacts.

#### Output

- Several publications on Water and Climate, nationally and internationally such as Coping Compendium, Manifesto, Research articles etc.

#### 3. Communities of Practice / Electronic Platforms

CPWC encourages the development of electronic platforms as discussion groups (Communities of Practice). Examples are the Water & Climate refresher platform for UNESCO-IHE alumni and the COP on the Flood Vulnerability Index.

#### 4. Flood Vulnerability Index (FVI)

CPWC initiated an electronic platform on the "Flood Vulnerability Index" bringing together partners from The Netherlands (UNESCO-IHE, RIKZ, TU Delft, Rhine Commission) and Japan (JWF and I CHARM, MLIT). By means of this CoP, contacts between Dutch, Japanese and other scientists on the methodological development, application and validation of the FVI are intensified.

#### Output

- A report on the Flood Vulnerability Index;
- A session in WWF-4 on indicators.

### 2.4.3. Inputs

Table 4 presents the activities, CPWC support (financial and staff time), outputs and other contributions. The budgets are in €.

Table 4: Proposed information networking activities, CPWC staff inputs, outputs and other contributions.

Activity	CPWC staff (days)	CPWC Budget (€)	Outputs	Other contributions
Website	35	1000	Newsletters and updated website	
Awareness raising	7	4500	Publications	
Communities of Practise	7		Reports and email discussions	
<b>Total</b>	<b>49</b>	<b>5500</b>		

The column 'other contributions' is still to be filled out. It is expected that in this table will be included e.g. travel and accommodation costs, counterpart staff time etc.

## 2.5. Events (Policy/Science debate)

The DWC established close contacts with many international organizations including WWC, WWF, WMO, GWP, UNESCO, JWF, IWA/NVA, SIWI etc. CPWC maintains these contacts.

### 2.5.1. Added value

- CPWC provides Dutch water and climate professionals with opportunities to present their expertise and work on Water and Climate issues in national and international events;
- Vice versa – by attracting reputed international water and climate professionals CPWC contributes to the recognition and status of events organized in The Netherlands.

### 2.5.2. Activities/ Outputs

In 2006 CPWC will contribute to the following events:

#### 1. WWF-4 (March 2006, Mexico)

- Beacon (with WMO and JWF) for Risk Management theme;
- Co-beacon (with UNESCO-IHE, IRC, CapNet) for the cross cutting perspective 'Capacity development and social learning';
- Member of the Operational Committee for Europe;
- Preparation (together with NWP) of the European regional document.

Through CPWC at least 7 topics will be convened by Netherlands organizations in cooperation with other international organizations including Japanese.

#### **Output**

- Cooperation between Netherlands, USA and Japanese institutions on Water and Climate for the preparation of sessions and beyond the WWF-4 notably on:
  - Dealing with water related risks in policy development, operational implementation at municipal, coastal and urban level, indicator development etc.;
  - Exchange of views and experiences in dealing with risks in connection with MDGs and developing countries.

#### 2. IWA-NVA-CPWC Water and Climate conference (September 2006)

- CPWC chairs the conference programme committee, attracted many of the members of the Recommending Committee and Scientific Committee and will promote participation and presentations through its networks.

#### **Output**

- A scientific conference with high level key notes, over 40 presentations and over 100 participants mainly from utilities and private sector;
- Launch of the Dutch led IWA-specialist group on Water and Climate.

#### 3. World Conference on Water and Climate (Finland, 2007)

- Advisory member of the Programme Committee.

In addition to the organization of events, CPWC participates in resp. contributes to the preparation of documents for the events and reports about the events.

#### **Output**

- Major contributions to the above mentioned (international water (and climate) events and conferences;
- Conference reports and follow up actions of WWF-4;
- Proceedings of IWA-Aquatech;
- Launch of the Dutch led IWA specialist group on Water and Climate.

### 2.5.3. Inputs

Table 5 presents the event, organizers, time/location, CPWC inputs (financial and staff time) and outputs. The budgets are in K €

Table 5: Proposed coping partnerships, CPWC support, estimated project budget and CPWC staff inputs

<b>Event</b>	<b>Organizers</b>	<b>Time/location</b>	<b>CPWC</b>	<b>CPWC partners</b>	<b>Staff time CPWC (days)</b>	<b>Output</b>
WWF-4	WWF-4 and WWC	March 06, Mexico	Theme day	WMO, JWF, UNDESA	50	Sessions, Documents Ministerial Declaration and target for Risk Management
Aquatech	NVA and IWA	September 06 Amsterdam	Chair 3 day conference	Aquatech, NVA, IWA c.s.	33	Conference document
World Climate Conference	WMO, Gov of Finland	August 2007	Member Advisory Committee		5	Report and declaration
<b>Total</b>					<b>88</b>	

## 2.6. Bar chart of activities

The activities of CPWC for 2005, 2006 and overflow into 2007 are summarized in the overview Table 6 underneath.

Table 6: Overview of CPWC activities over 2005 and 2006 with overflow into 2007.

Barchart of activities in 2005, 2006 & 2007	2005				2006				2007			
	1st quarter	2nd quarter	3rd quarter	4th quarter	1st quarter	2nd quarter	3rd quarter	4th quarter	1st quarter	2nd quarter	3rd quarter	4th quarter
<b>1. Coping partnership</b>												
Mekong												
South Africa												
Kenya												
Egypt												
West Africa												
Indonesia												
China												
Bangladesh												
To be identified country/basin												
To be identified country/basin												
To be identified country/basin												
To be identified country/basin												
To be identified country/basin												
To be identified country/basin												
<b>2. Science &amp; Research</b>												
Coping Document												
Climate, land use, and water												
IPCC Lead Author FAR and Special Technical Report												
Adaptive Management (Newater)												
<b>3. Educational &amp; Training</b>												
W&C summer school												
Nile Basin												
PHD Seminar												
Task Group												
Alumni Refresher course Kenya												
Master Class												
Post-grad high-level Research												
Module Development												
FVI												
<b>4. Information networks</b>												
Website/newsletter												
Publications												
Film												
CoP												
W&C Alumni Refresher platform												
Inventory of Technical Expertise												
<b>5. Events</b>												
* CSD 13												
* ISFD 3												
* EU discussions on Newater (Brussel)												
* Stockholm Water Week 2005												
* European Solidarity Week for Water												
* IYRF												
* WWF-4												
* IWA-NVA-CPWC Water and Climate conference												
* World Conference on Water and Climate												

Preparation:
* Identification (Id)
* Formulation (Fo)
* Financing (Fi)
Implementation

## 3. Organization, Administration and Personnel

### 3.1. Organization

#### CPWC Management Team

The Co-operative Programme on Water and Climate has three Portfolio holders, who together form the Management Team:

- The Programme Co-ordinator at UNESCO-IHE in Delft;
- The Portfolio holder for Education and Knowledge Dissemination at UNESCO-IHE, Delft;
- The Portfolio holder for Science and Research at Wageningen University, Wageningen.

In general, the portfolio holders:

- Are responsible for the activities in their own portfolio;
- Maintain regular contacts with each other and CPWC partners, in The Netherlands and abroad;
- (Re) present CPWC, where appropriate, at national and international level.

The tasks and activities of each of the portfolio holders are further specified later in this chapter.

#### NFWC

The Netherlands Foundation on Water and Climate (NFWC) is a consortium of partners including Partners for Water, Wageningen University, Royal Netherlands Meteorological Institute and Foundation IHE. The NFWC directs, co-ordinates, finances, stimulates the Netherlands support to the CPWC.

The NFWC Board is formed by:

Prof. Dr. Ir. K.J. Beek	Chair
Drs. A. Leusink	Secretary/Treasurer
Prof. Dr. W. Van Vierssen	Member
Dr. Ir. F. Brouwer	Member
Drs. G. van der Kolff	Member
Ir. M. Blokland	Member

### 3.2. Administration

The CPWC will be financially administered by UNESCO-IHE.

The NFWC will contract UNESCO-IHE to administer its financial contribution to the CPWC. The NFWC will also contract UNESCO-IHE to do its financial administration, if any.

The CPWC office of UNESCO-IHE will prepare an annual work plan and half yearly progress reports for the NFWC Board. The portfolio holders will be responsible to provide the inputs to the annual work plans and progress reports.

### 3.3. Personnel

#### Programme Co-ordination

The Programme Coordination staff includes the Programme Co-ordinator (1.0 FTE), a Programme Officer (0.84 FTE) and a Secretary/ Information Officer (0.6 FTE).

#### Programme Co-ordinator

- Programme co-ordination and support (financial and administrative supervision);
- Co-ordination preparation and implementation of Work Plans, Progress Reports and Expenditures to the Board of NFWC;

- Responsible for planning and implementation of the activities of CPWC in the Coping Partnerships portfolio;
- Co-ordination of CPWC contributions to events on Water and Climate e.g. CSD, Stockholm, WWF-4, Aquatech etc.;
- Acquisition of financial support for CPWC;
- Presentation of CPWC at events and publicity (articles etc.).

#### **Programme Officer**

- Liaison on Coping Partnerships, Education & Training, Science & Research;
- Events organization (preparation of programme, planning & organization of event, materials development);
- Liaison officer for awareness raising materials, and development of awareness raising materials (posters, presentations, articles, film etc.);
- Contribution to CPWC documents (project documents, reports, proposals, outreach materials, publications etc.);
- Programme administration: preparing contracts and financial overviews.

#### **Programme Secretary / Information Officer**

- Programme administration: invoices, travel bookings & declarations, in- and outgoing correspondence, archiving, arranging meetings;
- Maintaining contact (+ website) database;
- News dissemination & information sharing (upkeep and preparation of newsletters, announcements, keeping up to date on news in the sector, interaction with partners);
- Website administration and content management;
- Development of materials for awareness raising (posters, presentations, articles, film etc.).

#### **Science & Research**

The Science & Research portfolio consists of a Co-ordinator Science and Research and a Scientific Officer.

#### **Portfolio holder Science and Research**

- Responsible for planning and implementation of the activities of CPWC in the Research and Science portfolio;
- Responsible to the NFWC Board on portfolio activities;
- Report on progress and expenditures of the Science and Research portfolio;
- Presentations on the outcomes of Science and Research activities.

#### **Science and Research Officer**

- Implementation of Science & Research portfolio activities;
- Contribute to CPWC documents (project documents, reports, proposals, outreach materials and publications, etc.);
- Presentations on the outcomes of Science and Research activities.

#### **Education & Training**

The Education and Training portfolio consists of a Co-ordinator Education and Training, appointed by UNESCO-IHE.

#### **Portfolio holder Education and Training**

- Responsible for the planning and implementation of the activities of CPWC in the Education and Training portfolio;
- Responsible to the NFWC Board for the portfolio activities;
- Report on progress and expenditures of the Education and Training portfolio;
- Presentations on the outcomes of Education and Training activities.

## 4. Budget

### 4.1. Financial budget

Table 7 presents the financial CPWC budget for 2006.

Table 7: Financial budget CPWC 2006

<b>Budget 2006</b>		<b>PvW costs</b>	<b>Direct contributions</b>	<b>Indirect contributions</b>
Secretariat	personnel	€ 43.300	€ 15.000	
	other costs	€ 41.000		pm
Coping partnerships	personnel	€ 32.490	€ 30.000	pm
	other costs	€ 90.000	pm	pm
Science and Research	personnel	€ 68.109	€ 93.357	148 days
	other costs	€ 0		pm
Education and Training	personnel	€ 9.710	€ 5.000	130 days
	other costs	€ 30.000	pm	pm
Information Networks	personnel	€ 17.667	€ 12.500	
	other costs	€ 13.000		pm
Events	personnel	€ 30.537	€ 27.065	14 days
	other costs	€ 0		pm
Other costs				
		<b>€ 375.813</b>		
Contingencies	5%	€ 18.791		
AKV	5%	€ 18.791		
<b>Total</b>		<b>€ 413.394</b>	<b>€ 182.922</b>	<b>292 days</b>

Direct contributions are provided by:

- MNP (€ 60.000 salary costs Programme Coordinator)
- WUR (20 days Scientific Coordinator and 48 days Science Officer)
- UNESCO-IHE (20 days Education and Training Coordinator)

Indirect contributions include travel and accommodation costs for staff, and man-days by professionals at WUR and UNESCO-IHE.

In kind man –days provided by UNESCO-IHE and WUR as well as other partner organisations e.g. those contributing to the Coping Compendium etc. are not included.

The total PvW budget for the period 2006 – 2009 is estimated to be K€ 1.240.

The 5% AKV are paid to UNESCO-IHE for administration and finance of CPWC.



## 4.2. CPWC staff time budget

Table 8 presents the staff time allocation for 2006.

Table 8: Staff time allocation 2006 (days)

<b>Activity</b>	<b>Programme Co-ordinator v.Schaik (days)</b>	<b>Programme Officer Dorresteyn (days)</b>	<b>Programme Secretary Borst (days)</b>	<b>S &amp; R Co-ordinator Kabat (days)</b>	<b>S &amp; R Officer (days)</b>	<b>E &amp; T Coordinator de Ruijter (days)</b>
Coping partnerships	35	76	6			
Science & Research	26	23	5	20	96	
Education & Training	21	20				20
Information network	21	25	54			
Events	72	20	13			
Office work	55	20	60			
<b>Total</b>	<b>230</b>	<b>184</b>	<b>138</b>	<b>20</b>	<b>96</b>	<b>20</b>

## **5. Monitoring and reporting**

In the course of 2006 CPWC will also set up a system (activity sheets) to monitor progress per activity and record the outputs.

The Work Plan for 2007 will:

- Elaborate the role of climate and meteorology in the CPWC;
- Specify the outputs/products per activity;
- Elaborate the 'added value' of CPWC on the crossings of the three;
- Activity categories and the two cross cutting activities.

CPWC will prepare half-yearly progress reports and submit them to their financiers.

# Activities Report 2005

The activities carried out during 2005 are described in the next sections.

## 1. Coping partnerships

### 1. Mekong

CPWC initiated and financed a reconnaissance mission by IVM and Both Ends (April 2005) for the Mekong on activities and players in Water and Climate with the intention to build a regional partnership on mainstreaming climate into water management plans at local level (including in Vietnam and Thailand).

#### **Output**

- Mission Report was presented to CPWC and DGIS and approved.

### 2. ADAPTS

CPWC appraised the ADAPTS proposal (IVM and Both Ends) in April 2005 and recommended financing a definition stage to DGIS. )

#### **Output**

- The ADAPTS proposal was submitted to DGIS for financing. The definition stage is expected to start in 2006. The intention is to select 4 basins out of 7 for the preparation of Adaptation Plans in the course of 2006.

### 3. China

Following up on the Yellow River basin Dialogue on Water and Climate in 2002, CPWC was invited by the YRC to organize a workshop on Water and Climate during the International Yellow River Forum in October 2005. At the IYRF the preparation of a joint (YRB-Dutch) project on Water and Climate will be discussed.

#### **Output**

- TOR for a definition/formulation mission.

### 4. Indonesia

CUR and RWS explore the possible development of a coping partnership on Water and Climate in the Ciliwung basin. The project is to develop coping measures (spatial planning and structural measures) to protect poor riverside dwellers against floods. This is a follow up to an earlier spatial planning/floods project in the Ciliwung basin.

#### **Output**

- Terms of Reference for a definition/formulation mission.

### 5. Africa

CPWC supported (financially and technically) the formulation by local partners and Acacia of 3 proposals for coping activities making use of groundwater:

- a. **South Africa**  
Feasibility study (groundwater resources assessment Cape Town for drinking water)
- b. **Kenya**  
Sand dams construction and evaluation
- c. **Egypt**  
Feasibility study on infiltration of surplus water from High Aswan Dam.

#### **Output**

- These proposals have recently been successfully submitted to several donors/financiers for implementation.

## 2. Science and Research

The Science and Research agenda will promote and implement relevant research and science on the cross cutting edges for coping partnership development, and to serve Capacity Development and Social Learning. It is also to advance Capacity Development and Social Learning.

### 2.1. Coping Compendium

DWC found a lack in capacity development programmes and training materials on Water and Climate. Early 2005 CPWC initiated the preparation of a Coping Compendium. The Coping Compendium will be produced by WUR with inputs from CPWC partners in the Netherlands and abroad.

### 2.2. Climate, land use, and water

In the course of 2005 topics on the relation between climate, land use and water were identified for research:

- The production of a Manifesto on the relation between Risks and MDGs for WWF-4;
- The development of a water module into the IMAGE framework model to enable scenario-based research on the impacts of climate and land use on water.

Both these activities have global significance and will – through CPWC – be offered to the global policy debate at CSD, COP/UNFCCC, WWF-4, Stockholm Water Week etc.

### 2.3. IPCC

The DWC established a contact with the IPCC. In return, IPCC invited DWC to contribute to its work. CPWC will continue to work for:

- **Fourth Assessment Report**
  - CPWC is partly Lead Author of the Working Group II for the chapter Water & Climate;
  - CPWC contributes an article to IPCC's Fourth Assessment Report.
- **Special Technical Report on Water and Climate**  
CPWC facilitates the preparations for the Special Technical Report on Water and Climate.

#### *Output*

- 0-draft agreed upon, August 2005;
- Review contributed articles, December 2005;
- Decision to make the Special Technical Report, Mid 2005;
- First annotated agenda, September 2005.

### 2.4. Adaptive Management (EU)

#### *Output*

- Establishment global and regional platform, June/July 2005;
- Summer school on Water and Climate (Utrecht University), Summer 2005;
- Meetings of global and regional platform, August 2005;
- Nile basin meeting (NBI, Newater and other partners), October 2005;
- Synthesis document IWRM research ready, December 2005;
- First draft joint position paper on IWRM (IWMI, IUCN, GWP, CPWC etc.), December 2005;
- Article on Adaptive management, Water policy.

## 3. Training and Education

CPWC has contributed to the development of training and education activities in The Netherlands on Water and Climate, in particular at the WUR and at UNESCO-IHE.

### 3.1. Task Group

Since the DWC the attention to Water and Climate has increased substantially at UNESCO-IHE and its partners abroad. In the 2005 Work Plan of UNESCO-IHE Water and Climate is

recognized as a strategic focal point. And UNESCO-IHE has now a Task Group to develop the agenda for the Training & Education portfolio. Also numerous activities were organized with participation from guest lecturers including.

**Output**

- Numerous activities to be developed under Water and Climate, see underneath.

**3.2. PhD Seminar**

CPWC supported and facilitated a well-attended PhD seminar at UNESCO-IHE in March 2005, and contributed presentations.

**Output**

- A well-attended (50 participants) awareness raising PhD seminar.

**3.3. Alumni Refresher Course**

CPWC participated in an alumni refresher course on Water & Climate by UNESCO-IHE in Kenya (October 2005) with presentations and participation in a videoconference and Community of Practice.

**Output**

- Community of Practice for alumni on Water and Climate.

**3.4. Master Class**

CPWC contributed to the organization of a master class on Water and Climate at the WUR (July 2005).

**Output**

- A well attended (15 participants) Master Class.

**3.5. Post-grad high-level Research**

CPWC encouraged post-grad high-level Water & Climate research, through an appeal to financiers for financial support to the UNESCO-IHE/IVM START project. CPWC will support 2 promising researchers from developing countries to work with Netherlands institutions.

**Output**

- Attracting financing for the implementation of the Post-grad high-level research;
- Establishment of contacts with Water and Climate programmes abroad which are relevant for Netherlands research institutions through 2 promising students.

**3.6. Module Development**

CPWC contributed to the identification and development of Training Modules on Water and Climate (risks, coastal zones, river engineering, floods, governance etc.).

**Output**

- At least 3 modules for the Education and Training portfolio are initiated.

**3.7. Secondment of staff**

CPWC encouraged, facilitated and supported the secondment of Water and Climate professionals from Netherlands institutions to UNESCO-IHE and the WUR.

**Output**

- MNP and RIKZ have seconded senior staff members to UNESCO-IHE for Water and Climate programme development.

**3.8. Flood Vulnerability Index**

Upon request of the JWF, CPWC initiated contacts between Japanese and Dutch institutions on the development of the Flood Vulnerability Index. CPWC continues to stimulate cooperation between Japan and the Netherlands on the FVI development for:

- Decision-making;
- Education;
- Public awareness.

### **Outputs**

- Contacts between JWF, I CHARM, and UNESCO-IHE on the FVI have been established, and political support for the activity obtained.

## **4. Information networks**

### **4.1. Website and newsletter**

CPWC uses its website and newsletter to inform CPWC members about developments in Water and Climate as well as risk management, and contributes to websites of Netherlands partners e.g. NWP, European Water Management News etc.

The website provides news, articles, presentations, documents and a list of upcoming activities and events. It also includes links to many other relevant information networks including websites of international initiatives and partners (WWC, WWF, IWA, WMO etc.).

### **Outputs**

- 3 Newsletters;
- Weekly updated website with up to date information.

### **Inputs**

Staff time CPWC: 35 days for website and 25 days for newsletter.

### **4.2. Awareness raising and communication materials**

#### **Publications**

CPWC presents its work in presentations & publications, flyers, brochures, articles etc., and through these materials maintains and extends its network of contacts.

### **Outputs**

- Several publications on Water and Climate, nationally and internationally including contributions to the CSD-13 report of SIWI, the IPCC, and the proceedings of the World Water Week;
- Distribution of the DWC publications.

#### **W&C Alumni refresher platform**

CPWC participated in the UNESCO-IHE Water & Climate electronic alumni platform. By means of this CoP information is shared between UNESCO-IHE staff, CPWC staff and alumni through presentations and discussions.

### **Output**

- An alumni refresher course on Water & Climate.

#### **Film**

The film 'The Heat is On' was widely distributed (internationally and nationally in schools) and shown (TV, seminars, conferences etc.). CPWC and partners (including DGIS, LmW, ADAPTS, UvW and KvR) started exploring the feasibility for a film presenting practical water related adaptation measures at the local level. Considered example adaptation projects include the "Freude am Fluss" project in the Rhine and Loire basins, the Sasol project (Kenya), and other activities in Mekong and South America.

The low threshold film is meant for a broad audience including water sector professionals, general public, schools etc. The footage will be publicly and freely available.

### **Output**

- A film of 40 minutes.

### **4.5. Emission neutral footprint**

CPWC introduced the concept of the climate neutral footprint into the water sector water.

### **Output**

- The DWR of Amsterdam is presently introducing the zero footprint company wide.

## **5. Events**

During 2005 CPWC contributed to the preparation of events including scientific conferences:

### **5.1. CSD 13 (April 2005)**

- Organization of a session on Water and Climate chaired by Henk van Schaik and with contributions from Dr. Wolfgang Grabs, (WMO), Mr Ton Boon van Ochsee (DGIS), Ms. Aliioaiga Feturi Elisaia, Ambassador (Small Island States) Ms. Noriko Yamaguchi, Chief Officer of Japan Water Forum.

### **Output**

- Publication of the session results in the CSD report.

### **5.2. ISFD3 (May 2005)**

- Organization of 1 session and keynote speaker (Dr. Daniel Zimmer);
- Participation in 'Freude am Fluss' conference.

### **Output**

- A-well attended session on Water and Climate with over 50 participants;
- Cooperation with Freude am Fluss towards WWF-4.

### **5.3. World Water Week (Stockholm August 2005)**

- Organization and facilitation of several sessions;
- Organization of a one day workshop on Water and Climate;
- Organization of Newater Platform meetings.

### **Output**

- CPWC in cooperation with SIWI and SEI and WMO organised for the third year a one-day scientific session on Water and Climate. The one-day scientific session was attended by over 50 people with over 20 presentations. The session will be reported in the Stockholm Water Week proceedings;
- The Newater platforms (global and European) sessions were well attended (over 20 participants).

### **5.4. European Solidarity Week for Water, Strasbourg (October, 2005)**

- Facilitation to present 'Freude am Fluss' in the European Solidarity Week for Water. The session was led by Prof. T. Smits, Team Leader of 'Freude am Fluss'.

### **Output**

- Well attended sessions;
- Interest Europe wide in the 'Freude am Fluss' concept;
- Stepping stone for session at WWF-4.

### **5.5. Yellow River Forum (October 2005)**

- Organization of a session on Water and Climate with WL;
- Membership of the Advisory Committee.

### **Output**

- Well attended session;
- Discussion of TOR for cooperation in the Yellow River on mainstreaming Water and Climate.

## 6. Administration

In December 2004 CPWC informed Partners for Water in writing about the implication to continue its activities in the absence of the anticipated PvW grant. On several occasions PvW encouraged CPWC and UNESCO-IHE to continue, with reference to letter of PvW informing CPWC about its decision to support CPWC in principal upon a set of conditions.

The budget neutral extension of the DGIS grant enabled CPWC to have the liquidity required for implementation of activities. From January 1, 2005 all direct salary costs of the CPWC staff were advanced by resp. UNESCO-IHE for Priscilla Dorresteijn and Sandra Borst, and by RIVM/MNP for Henk van Schaik.

### NFWC

At the request of PvW the CPWC arranged for the creation of the Netherlands Foundation on Water and Climate. The foundation act was passed on July 25, 2005.

In addition to the NFWC foundation act, by laws and regulations will be developed for the implementation of the CPWC activities. In these regulations, the roles and responsibilities (including advisory functions) of the partners and portfolio holders will be specified.

## 7. Expenditures

### 7.1. Financial expenditures

The expected expenditures, direct contributions and capitalized indirect contributions over 2005 are presented underneath.

Expenditures 2005		PvW costs	Direct contributions	Capitalized
Secretariat	personnel	€ 42.500	€ 15.000	
	other costs	€ 10.000	€ 27.200	
Coping partnerships	personnel	€ 32.490	€ 30.000	
	other costs	€ 0	€ 53.000	
Science and Research	personnel	€ 68.109	€ 66.868	€ 74.000
	other costs	€ 10.000	€ 0	
Education and Training	personnel	€ 9.710	€ 5.000	€ 65.000
	other costs	€ 0	€ 30.000	
Information Networks	personnel	€ 17.667	€ 6.739	
	other costs	€ 5.000	€ 35.000	
Events	personnel	€ 27.065	€ 27.065	
	other costs	€ 0	€ 0	
Other costs		-		
		<b>€ 222.541</b>		
Contingencies	5%	€ 11.127		
AKV	5%	€ 11.127		
<b>Total</b>		<b>€ 244.795</b>	<b>€ 295.872</b>	<b>€ 139.000</b>

Contributions such as tickets and accommodation costs by WWF-4 Secretariat, contribution of fees/free provision of meeting rooms, free access for publication of reports by SIWI, and the contribution of staff time (Rick Connor) to the FVI is not included but amounts to several 10s of K€.



## 7.2. Staff time inputs

### Time schedule CPWC staff 2005 in days

<b>Activity</b>	<b>Programme Co-ordinator v.Schaik (days)</b>	<b>Programme Officer Dorresteyn (days)</b>	<b>Programme Secretary Borst (days)</b>	<b>S &amp; R Co-ordinator Kabat (days)</b>	<b>S &amp; R Officer v.Mansfeld (days)</b>	<b>E &amp; T Coordinator de Ruijter (days)</b>
Coping partnerships	20	20	6			
Science & Research	24	24	5	20	10	20
Education & Training	21	35				
Information network	28	55	54			
Events	82	30	13			
Office work	55	20	60			
<b>Total</b>	<b>230</b>	<b>184</b>	<b>138</b>	<b>20</b>	<b>10</b>	<b>20</b>