


CIRCLE-2:
Deltas Cooperation in Europe

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Knowledge for Climate
Alterra

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CIRCLE-2 sessions in the Deltas Conference



30 September 2010


- **9.30-11.00** (Session DP RE 5.5 Diamond Room II):
Deltas in Europe: Opportunities for Research and Policy Collaboration
- **11.15-12.30** (Session DP C 6.2 Van der Veecken Room):
CIRCLE-2 Deltas Cooperation in Europe



Deltas in Practice Theme 5: Resources and Ecology


Session DP RE 5.5

Deltas in Europe: Opportunities for Research and Policy Collaboration



Objectives of the session:


- ❖ **Resources and Ecology:** Increase awareness of both policy-makers and scientists of the opportunities and limits for ecologically sustainable development under demographic, land use and climatic change at local, national and transboundary level.
- ❖ **CIRCLE-2:** Support the identification of some of the “main climate adaptation research and policy gaps on delta areas” and explore common research priorities, setting the scene for the evaluation of possible joint activities in these areas.



Deltas in Practice Theme 6: Cooperation

Session DP C 6.2

CIRCLE-2: Deltas Cooperation in Europe



Objectives of the session:

- ❖ Exploring **common research priorities** and the scope of possible joint transnational research between European countries in the area of climate change impacts, vulnerability and adaptation (CCIVA) in **delta regions, estuaries and coastal wetlands**.
- ❖ The results will be reported to the next meeting of the Executive Board of the CIRCLE-2 ERA-Net (October 2010, Lisbon) and, in case of sufficient support, used to **further elaborate a research plan** for an associated joint research programme.

What's expected in this session?

- ❖ Brainstorming on **possible future transnational research** in the area of climate change impacts, vulnerability and adaptation (CCIVA) in **delta regions, estuaries and coastal wetlands**.

Background?

- ❖ Distributed background paper on CIRCLE-2 activities and earlier discussions on delta regions, estuaries and coastal wetlands

Possible outcomes?

- ❖ Relevant research topics on these areas to be introduced to ongoing CIRCLE-2 discussions on future funding of joint activities.

European Water Resources Management under Climate Change

- How to adapt to climate change induced impacts on hydrological regimes of European rivers?
- Coping with hazards: adaptation to climate change in flood-prone European coastal areas.

Atlantic Coastal issues

- Flooding in coastal zone areas (e.g. flooding in estuaries, deltas and embayments due to higher wave and storm-surge elevations)
- Climate change impacts on coastal wetlands and biological systems (stress, eutrophication and algal blooms, toxic cyanobacteria, ...)
- Climate change impacts on fisheries and aquaculture (temperature effects on marine fish and shellfish species distribution, recruitment and production; upwelling regimes and zooplankton production; ...)
- Land loss and coastal erosion, groundwater salinisation and built property/infrastructure destruction due to sea-level rise

Questions:

- Which research questions can benefit from transnational collaboration and funding?
- How can the realization of such projects be organized?

Deltas in Practice Theme 6: Cooperation

CIRCLE-2 is a European Network of 34 institutions from 23 countries committed to fund research and share knowledge on climate adaptation and the promotion of long-term cooperation among national and regional climate change programmes.

www.circle-era.eu

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