DRAFT Agenda

CIRCLE-2 SHARE Workshop

Responses to Extreme Water related Events

Version Date: 22nd October 2012

Date: 22 and 23 November 2012

Venue: Human & Social Sciences center (CSIC), Madrid, Spain

Organiser:

MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

CIRCLE-2 CLIMATE IMPACT RESEARCH & RESPONSE COORDINATION FOR A LARGER EUROPE EU FP7 ERA-NET

Fundação Faculdade Ciências Universidade Lisboa

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Venue: Human & Social Sciences center (CSIC), Madrid, Spain

1. Background

Organizing committee: Guillermo Morales-Rodríguez (MINECO), Sandra G. García (MINECO), David Avelar (FFCUL)

Objectives: Identification and sharing of knowledge on good practice examples and difficulties of adaptation to water-related extreme events (droughts and floods), identification of research gaps and opportunities for joint research initiatives in Europe.

Format: Full two days, international workshop on adaptation to extreme water-related events.

Participants: maximum of 50 international participants from different sectors, including extreme water related events researchers (incl. researchers from the CIRCLE network & EU national regional policy makers.

Possible output: Special Issue of the meeting , 20-25 papers highlighting the outcomes of the workshop, a policy-brief with a set of recommendations for EU and national programmes and some examples to the CIRCLE-2 Adaptation INSPIRATION Book.

Follow-up: Possible network that will inform the European Adaptation Strategy and advise the European Commission on adaptation to extreme water related events.

2. Introduction

2.1. Why a workshop on Adaptation to Extreme water-related Events?

In the last years we have been assisting to an increase amount of studies on climate change impacts and vulnerability studies, conferences and workshops about extreme events but there is a lack of knowledge about concrete adaptation projects supported by good quality monitoring data.

There's also the idea that extreme events function as a driver[1] to start the adaptation process due their strong and costly impacts. In general, decision makers seems to react to this kind of potential events by planning the climate change topic as a priority, but the success of the follow-up "real" adaptation seems to be unclear.

There is a growing knowledge on extremes modelling, impacts and vulnerability from the climate change community(ies) often counterpartyed by knowledge about their risks from the disaster risk community. Can the adaptation to extreme water related events function as a link between both communities? This is an important question to start promoting synergies.

[1] http://www.circle-era.eu/np4/%7B$clientServletPath%7D/?newsId=308&fileName=CIRCLE2_NAS_Summary.pdf

2.2. What is the aim of this workshop?

The main aim of this workshop is to have a productive debate on how to adapt human systems (water, food, infrastructures and societal) to extreme water related events, namely to the droughts and floods.

It's also an objective of this workshop to bring together experts and decision makers that have been involved in adaptation projects and/or disaster risk management. The links with national research programmes will be encouraged.

By sharing good practice examples and knowledge on what is happening around Europe, the idea is to highlight the diversity and importance of different approaches to deal and adapt to extremes water related event and discuss their results.

As a workshop, the practical goal is create space and promote productive discussions about the lessons learned from different projects and reflect about the practical follow up of this topic.

2.3. How we pretend to address the issue?

To achieve the goals of the workshop, CIRCLE-2 is organizing a two days workshop divided in different moments:

- 1st moment (1st day – Morning)

The workshop will start with an introduction of its aim and a plenary presentation about (i) the definition of what is an extreme event and which types can be considered, (ii) current extremes events in Europe, and (iii) scenarios to future extreme events in Europe. The point of view of policy makers and responsible of taking decisions regarding water extremes, and the interaction with researches to bridge the gaps, will be discussed.

- 2nd moment (1st day – afternoon)

Group discussions are considered related with droughts and floods. The impacts and vulnerability assessments gained knowledge and concrete ways where adaptation results have been applied to (i) droughts and (ii) floods, will be discussed. The interaction with policy makers is encouraged, therefore speakers invited related with the topics will be considered.

- 3rd moment (2nd day – morning)

In the morning of the second day, two groups will discuss separately how to secure and promote resilience, to droughts and floods, on (i) food and water, and (ii) infrastructures and social systems. Several formats of presentations (using visual aids and tools for organization), will be considered in the groups of discussion, such a way of improvement the work together on ideas and projects.

- 4th moment (2nd day – afternoon)

We will finalize the workshop by compiling the conclusions from the different sessions and integrate that knowledge on how to adapt to both droughts and floods in different systems. We will end the day trying to understand how to lead adaptation towards real Transformation.

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1ST DAY - 22 NOVEMBER 2012

09:00 – 09:30	**Registration**
MORNING_I:	*PLENARY* - **Welcome and Introduction**
09:30 – 10:30	**Welcome words** *Sandra G. García (CIRCLE2, Spain) and David Avelar (CIRCLE-2, Portugal)* **Extreme events: the European Academies' Science Advisory Council perspective.** *Filipe Duarte Santos (Lisbon University, Portugal and EASAC member)*
10:30 – 11:30	*Coffee break &* ***Poster session***
11:30 – 12:30	**Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (SREX): Changes on flood risk** *Gerardo Benito (Spanish National Research Council, CSIC)* **Managing climate extremes and disasters for the water sector: Lessons from the IPCC SREX report** *Beatrice Mosello (Climate & Development Knowledge Network, CDKN)*
	12:30 – 14:30 Lunch
AFTERNOON_I:	Break-out groups (2x) **– Responses to Extreme events**
	Group A -**DROUGHTS** Vulnerability & Adaptation
14:30 –17:00	**European Drought Observatory (EDO) and Adaptation at European level** *Paulo Barbosa (JRC's Institute for Environment and Sustainability)* **Management of droughts: Needs of research** *Teodoro Estrela (Hydrographic Confederation of River Jucar, Spain)* **Adaptation to Droughts in south Europe: the practical example of Tamera water retention landscape** *Bernd Müller (Tamera Water Retention Landscape project)*
	Group B - **FLOODS** Vulnerability & Adaptation
14:30 –17:00	**What kind scientific inputs the policy makers need? Real example of floods adaptation.** *Francisco Javier Sánchez Martínez (Water Public Dominion, MAGRAMA, Spain)* **Flood Vulnerability and Risk Mapping in Climate Change Scenarios** *Pedro Garret (CCIAM, Portugal)*

Non-stationary flood frequency analysis of continental Spanish rivers: Floodmed project.
Félix Francés (Technical University of Valencia)

19:30 – 22:30 Social event

2ND DAY - 23 NOVEMBER 2010

09:00 – 09:30 **Summary of day 1 (**plenary**)**

MORNING_II: Break-out groups (2x) **IMPROVING RESILIENCE**

Group C - **FOOD & WATER** Resilience

O9:30 –13:00

Extreme events and Food security: JPI FACCE as a mechanism to improve the European food system resilience
Elias Fereres (JPI FACCE)

Vulnerability to drought in a closed basin: the Guadalquivir case
Julio Berbel (University of Córdoba)

Strategies for coping with extreme events in irrigated agriculture. Some results from case studies in Southern Spain
Alain Baille (Technical University of Cartagena)

Group D - **INFRASTRUCTURE & SOCIAL** Resilience

O9:30 –13:00

Social Adaptation to Extreme Events: JPI Climate contribution to social transformation.
Kirten Hollaender (JPI Climate)

RED CROSS: Responding to extreme emergencies
Sonja Greiner (Austrian Red Cross)

Costing impacts of extreme events on traffic infrastructures in Austria. Meteorological damage triggers, needs and pitfalls to project damage costs
Martin Köning (Adapt2to4 project)

13:00 – 14:30 Lunch

AFTERNOON_II: *PLENARY* – **Knowledge Integration and Conclusions**

14:30 –15:30 **Summary of morning**
Rapporteurs

What are the water challenges in Europe and how to connect it with extremes?
M.A. Gilarranz (JPI Water)

15:30 –16:00 **Conclusions and final remarks**