



GOBIERNO  
DE ESPAÑA

MINISTERIO  
DE MEDIO AMBIENTE  
Y MEDIO RURAL Y MARINO

# WORKSHOP

## ON WATER AND CLIMATE CHANGE IN THE AGRICULTURE SECTOR

**TENTATIVE AGENDA**  
**MADRID. 22-23 SEPTEMBER 2011**

CENTRE FOR APPLIED TECHNIQUES STUDIES (CETA-CEDEX) · C/ ALFONSO XII, 3 Y 5 · 28014 MADRID

MANURE TEMPERATURE BIOSPHERE OIL  
HUMIDITY CLIMATE RADIATION SPRING  
VEGETABLE ECOSYSTEM RYE IRRIGATION  
ATMOSPHERE BARLEY FORESTS OZONE  
FARM FRUIT PRECIPITATION VINE GRASS  
POTATOES TREE CLOUDYNESS DROUGHT  
BIODIVERSITY ENVIRONMENTAL  
IMPACT SUMMER  
GREEN GROWTH  
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Organized by the Ministry of the Environment and Rural and Marine Affairs  
in collaboration with the United Kingdom and the European Commission

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## WORKSHOP AIM

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The main objective of this workshop is to exchange practical information about predicted impacts of climate change in water management, focused in the agriculture sector, and provide examples on adaptation, considering the different regional scenarios across Europe.

The output of the workshop will be a briefing document to help guide future policy and research agendas on water, agriculture and climate change. The workshop will also provide useful inputs to support the CIS Guidance Document on Climate Change and Water and to the 2012 Blueprint to Safeguard Europe's Waters, continuing the drive to ensure that future River Basin Management Plans are climate resilient.

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## DAY 1: IMPACTS OF CLIMATE CHANGE

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08:30-09:00	Registration
09:00-09:15	Welcome (ES + UK + COM + EU Presidency –Poland)
09:15-09:45	Keynote Speech (Guest country: Mexico)
09:45-10:15	Blueprint to Safeguard Europe's Waters – aspects related to Water and Climate Change adaptation (DG-ENV)
10:15-10:45	Coffee Break

### SESSION 1: THE STATE OF UNDERSTANDING

Opening presentations- Plenary Session:

**10:45-11:05** Integrated approach to climate change impacts on the water cycle (coupling effects of climate change on water availability and water demands, plus the impacts of climate change on water status) (ES)

**11:05-11:25** Impacts of climate change on water quality and flood risk issues arising from land management (UK)

**11:25-13:15** Splitting into small groups (10-15 people):

All delegates to give brief summary (maximum 10 minutes, including questions, preferably shorter) covering:

1. Completed and ongoing research projects on climate impacts on water, related to agriculture (please include references/links to further information).
2. Summary of the key pressures and challenges for your Member State or institution

Discussion on themes emerging in key pressures and challenges, for feedback to plenary later.

**13:15–14:15** Lunch

### SESSION 2: KNOWLEDGE GAPS

Opening presentations- Plenary Session:

**14:15-14:35** Presentation on climate change science-policy interface (DG RTD)

**14:35-16:00** Splitting into small groups (10-15 people):

This session will aim to capture understanding of knowledge gaps and propose research needed in the field of water management related to the agriculture sector in these tentative thematic groups (further thematic groups should be added if needed):

- Integrated water resources management
- Status of water bodies (surface and groundwater)
- Climatic variability. Extreme events
- Ecosystems resilience to climate change
- Irrigation water operation systems
- Socioeconomic aspects of impacts
- Information and communication technologies

Groups to discuss and agree, for feedback to plenary, on:

1. Issues on which knowledge is already well developed or research is already in progress to address.
2. Key knowledge gaps in terms of both subject matter and geographical coverage.
3. Suggested routes to address these gaps – for example through DG Research or Member State support.

**16:00-16:30** Feedback on information from previous working groups in a Plenary Session

**16:30-17:15** Summary of the day and close

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## DAY 2: ADAPTATION EXAMPLES

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09:00-09:10	Welcome and aims for day 2 (ES+UK+COM)
09:10-09:30	Presentation on CAP reform, focused on climate change and water related issues (DG AGRI)
09:30-09:50	Presentation from the CIS WG on agriculture and water on their work
09:50-10:15	Coffee Break

### SESSION 3: ADAPTATION EXAMPLES

Opening presentations- Plenary Session:

**10:15-10:35** Examples on adaptation in semi-arid countries of Europe (ES)

**10:35-10:55** Examples on adaptation in farms across Europe (UK)

**10:55-12:30** Splitting into small groups (10-15 people):

This session will aim to capture information from Member States and institutions on initiatives being implemented or needed to address future climate change pressures.

All delegates to give brief presentations (maximum 10 minute, preferably shorter) covering:

1. Brief summary of climate change adaptation initiatives currently underway.
2. Lessons learnt from current initiatives: advantages, disadvantages and implementation
3. Future needs for adaptation initiatives.

Discussion on themes emerging on initiatives, for feedback to plenary.

**12:30-13:30** Lunch

**13:30-14:00** Feedback on information from previous working groups in a Plenary Session

### SESSION 4: POLICY TOOLS FOR ADAPTATION

Opening presentation- Plenary Session:

**14:00-14:20** ClimWatAdapt: Coupling hydrological and climate models and using adaptation measures in Europe (DG ENV)

**14:20-15:30** Splitting into small groups (10-15 people):

This session will aim to reach consensus on what will be needed from different policy areas, including CAP, to address water challenges under climate change.

Groups to discuss and agree on:

1. Recommendations for different policy areas, including CAP
2. Climate change and CIS – recommendations for further work.

For feedback to plenary.

**15:30-16:30** Feedback on conclusions from previous working groups in a Plenary Session

**16:30-16:45** Thanks, next steps and close



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