

Challenges and solutions for managing water quantity and quality: Learning from international experience



WaterCAP workshop

16th-17th April 2012, Tarland, Scotland

Workshop aims:

To explore how the policy community and stakeholders in EU countries can better manage water resources under a changing climate, through:

- Presenting challenges, solutions and lessons learned from a cluster of EU research projects related to water management, specifically quantity and quality issue;
- Adding value to the lessons learned by sharing and building on international experience, and
- Looking at how challenges, solutions and lessons learnt can be transferred to other countries

Approach:

- A review of previous Interreg projects will precede the workshop. Summary material from this will be disseminated to participants, as well as information on interviews carried out by the project team with high-level EU policy makers regarding water management and policy requirements. At this time, the workshop agenda will also be circulated.

Workshop format:

- The workshop will take a participatory approach to facilitate the sharing of knowledge and experiences, and to identify solutions to water management challenges that are relevant in different countries in the EU. This will draw on the assembled experts from the different water management projects.

Framework for structuring project analysis:

DPSIR framework

Driver – categorise whether biophysical, socio-economic, or policy driver – workshop concentrates on biophysical but must take into account socio-economic and policy interactions

Pressure – The key biophysical pressures framing the challenges for water quantity, quality in the face of climate change. Here we can set the bounds on the knowledge about climate change processes/effects which have been studied in the Interreg projects.

State – The current state of the key landscapes under study in the projects (Farming environments, Islands, Cities, Coasts). Since these are broad we must define the critical status which is subject to impact for the next step.

Impact - The action of the climate (and associated policy and land use change) pressures on water quantity and quality. How much evidence can be drawn from the Interreg projects on the impacts to the defined states above.

Response – The win-win solutions and tools provided by Interreg projects. How have these provided solutions to the pressures above and how might they fit the ranges of states of the key environments under study. This leads into the transferability of the solutions analysis. What is the interaction of policies (now and future) on these solutions?

Approximate agenda:

Session /Time	Aims	Lead
Sunday	Arrival and dinner	
Monday am	Name badges before start	
9.00 Welcome	Welcome Housekeeping? Brief outline of WATERCAP Outline of WP3 Goals of meeting	Marc
9.15 Introductions	To allow everyone to know the backgrounds of the delegates and which projects they represent.	Marc
10.15 WATERCAP background and progress	Explain project and stakeholder interviews/meeting	Rolf / Ilke
10.35-11.00 Climate change background	To provide context about climate change in the region	Leo and Ruben
11-11.20	coffee	
11.20 DPSIR framework	To explain: <ul style="list-style-type: none"> • Why we need a framework? • Why we have chosen DPSIR • What DPSIR is • What it will give us 	Kit Leah
11.35 Draft project templates	To take the group through the initial attempt to populate templates for each project.	Leah
11.55 DPSIR templates for each project	To review and revise DPSIR templates prepared for each project. Make revisions/	Kit

	additions Allow people to get familiar with all projects Learn from other projects Add feedbacks to templates	
1pm	LUNCH	
2pm	Talk to introduce folk to what they will see	Marc
Field trip talk		
2.15-4.15	Trip round area	Marc
Field trip		
4.30-6pm	Agree DPSIR template for each project so <ul style="list-style-type: none"> • can build on it tomorrow • form the basis of a review paper 	Kit
Plenary DPSIR for each project		
Over afternoon tea (tea and scones/cakes)	Ensure good understanding of all projects	
6.30pm Dinner		
8 pm Whisky tasting		
Day 2		
9.00	Summary of day 1 outputs What is planned for today	Wendy
Intro		
9.15	Develop a typology of responses from templates	
Implementation of responses I		
9.45	Based on experience of project look at what did and didn't work for each type of response and why Look at how responses can be implemented	Wendy
Implementation of responses II		
11.00 coffee		
11.30	Report back about each response category	Wendy
Barriers and enablers plenary		
12.30	Determine how many and what briefings will be produced Consider a structure for the	
Agree groups and work		

for after lunch	briefings Get into groups to start writing
1.00	Lunch
1.45 Writing	Group structuring and writing of all notes and briefings
3.45 Over afternoon tea	Progress report for all all outputs/briefings/reports Action plan to completion
4.30 Summing up	Summing up and reflections on the workshop
4.55 The end	Thanks and bon voyage Marc
Dinner	

Field trip, Monday for 2 hours.

The workshop will be held in rural North East Scotland and will include a field trip to nearby sites where water management issues can be seen “in situ” (formerly part of the Aquarius project). This will stimulate discussion of socio-economic and technical issues and solutions. If the weather is okay we can have a short walk from a viewpoint along some stream side footpath (around 1 km, but those not wishing to can stay on the bus). So please bring a coat and walking shoes if you would like to walk.

Outputs:

We will ask your opinion on the following options for outputs from this workshop:

- A technical report
- A series of short overview briefings describing water management and associated solutions for communication to EU policymakers (using key metrics of success such as innovation, putting science into practice and economic benefits)
- A journal paper, to which participants will be invited to contribute.

Attendees:

NAME	Interreg project	Email contact
Flemming Gertz	Aquarius	flg@vfl.dk
Irene Asta Wiborg	Aquarius	iaw@vfl.dk
Marc Stutter	JHI/Aquarius	marc.stutter@hutton.ac.uk
Silke Buecker	C2CI	buecker@oowv.de
Jes Pedersen	CLIWAT	Jes.Pedersen@ru.rm.dk
Klaus Hinsby	CLIWAT	khi@geus.dk
Rolf Johnsen	CLIWAT	Rolf.Johnsen@RU.RM.DK
Frank Ahlhorn	CPA	frank.ahlhorn@uni-oldenburg.de
Leo Adriaanse	CPA	leo.adriaanse@rws.nl
Rinke van Veen	CPA	r.veen@Drenthe.nl
Rob van der Krogt	CPA	Rob.vanderKrogt@deltares.nl
Rosalie Franssen	CPA	Rosalie.Franssen@deltares.nl
Ruben Akkermans	CPA	r.akkermans@zeeland.nl
Benno Koehorst	CPA	benno.koehorst@rws.nl
Trine Balskilde Stoltenberg	WaterCAP	TBS@vfl.dk
Kit Macleod	JHI	kit.macleod@hutton.ac.uk
Leah Jackson-Blake	JHI	leah.jackson-blake@hutton.ac.uk
Wendy Kenyon	JHI	wendy.kenyon@hutton.ac.uk