


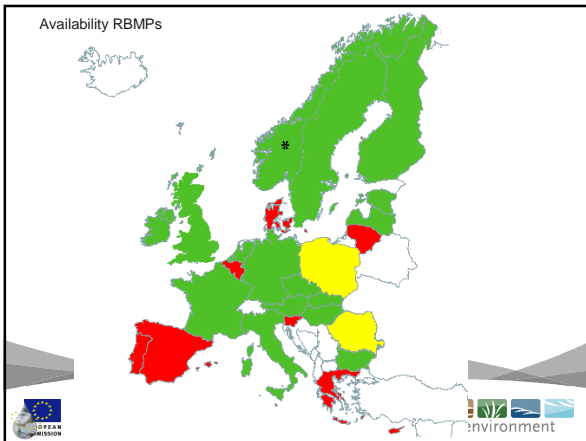
# A Blueprint to safeguard EU Waters

## Water Accounts & Economics Workshop EEA, 7&8 October 2010



### 2012 Blueprint to safeguard EU Waters:

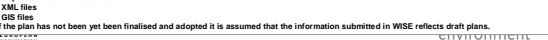
- **The Blueprint will include:**
  - Assessment of river basin management plans
  - Review of the Strategy for Water Scarcity and Droughts
  - Review of the vulnerability of water and environmental resources to climate impacts and man-made pressures.
- **It will examine:**
  - The balance between water demand and the supply of clean water, taking into account the needs of both human activities and of natural ecosystems.
  - The effectiveness of current policies, and the need for further policies or measures necessary to strengthen the resilience of EU water policy
  - How this new ambition level should be supported by data collection, scientific and technological development.

### State of Play RBMPs and WISE reporting (01/09/10)


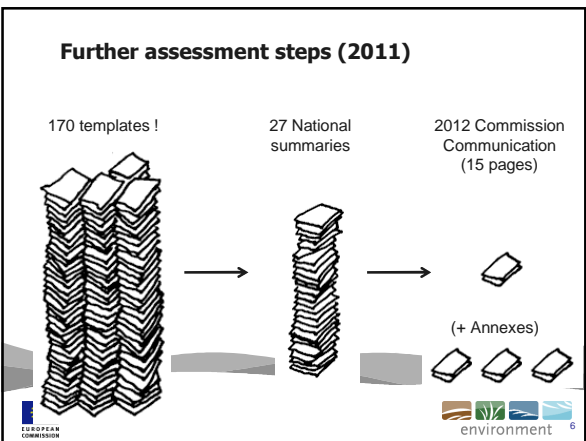
MS	RBMP adopted	WISE reporting			MS	RBMP adopted	WISE reporting			MS	RBMP adopted	WISE reporting		
		RBMP reported	XML	GIS			RBMP reported	XML	GIS			RBMP reported	XML	GIS
AT	⊕	⊕	⊕	⊕	ES	⊕	⊕	⊕	⊕	MT	⊕	⊕	⊕	⊕
BE	⊕	⊕	⊕	⊕	FI	⊕	⊕	⊕	⊕	NL	⊕	⊕	⊕	⊕
BG	⊕	⊕	⊕	⊕	FR	⊕	⊕	⊕	⊕	PL	⊕	⊕	⊕	⊕
CY	⊕	⊕	⊕	⊕	HU	⊕	⊕	⊕	⊕	PT	⊕	⊕	⊕	⊕
CZ	⊕	⊕	⊕	⊕	IE	⊕	⊕	⊕	⊕	RO	⊕	⊕	⊕	⊕
DE	⊕	⊕	⊕	⊕	IT	⊕	⊕	⊕	⊕	SE	⊕	⊕	⊕	⊕
DK	⊕	⊕	⊕	⊕	LT	⊕	⊕	⊕	⊕	SI	⊕	⊕	⊕	⊕
EE	⊕	⊕	⊕	⊕	LU	⊕	⊕	⊕	⊕	SK	⊕	⊕	⊕	⊕
EL	⊕	⊕	⊕	⊕	LV	⊕	⊕	⊕	⊕	LK	⊕	⊕	⊕	⊕

**NOTES - Status: 01/09/2010**  
 The column "RBMP adopted" reflects the contents of DG Environment's web page: [http://ec.europa.eu/environment/water/water\\_quality/index\\_en.htm](http://ec.europa.eu/environment/water/water_quality/index_en.htm)  
**GREEN** - River Basin Management Plans adopted!  
**YELLOW** - consultations finalised, but awaiting adoption.  
**RED** - consultations have not started or ongoing.  
 The WISE reporting columns reflect if largely complete (green), partial (yellow) or no reporting (red) has been done on the three parts expected:  
 - Copies of the RBMP and PoM  
 - XML files  
 - GIS files  
 If the plan has not yet been finalised and adopted it is assumed that the information submitted in WISE reflects draft plans.



### Topics for in-depth assessments (starting October 2010)

- Governance (administrative arrangements, public participation, international cooperation)
- Characterisation of the river basin district
- Monitoring of surface waters and groundwater
- Classification of surface water status
- Designation of heavily modified water bodies and definition of good ecological potential
- Assessment of groundwater status
- Environmental objectives and exemptions
- Programme of measures - general
  - Measures related to agriculture
  - Measures related to hydromorphology
  - Measures related to chemical pollution
  - Measures related to groundwater
  - Additional measures in protected areas
  - Measures related to article 9 (water pricing policies)
- Strategy to deal with water scarcity and droughts
- Adaptation to climate change in RBMP

## WS&D - policy development

- **Communication 2007 and follow-up:**
  - Council conclusions - review & further develop WS&D policy by 2012
  - EP report – new initiatives incl. pilot projects preparatory actions
  - Annual follow up reports
- **Policy Review 2012:**
- **GAP Analysis**
  - Overview of problem & existing measures
  - Identification of gaps
  - Proposal of new measures
  - Assessment of Impact of new measures



## WS&D Building Blocks

- **Water Efficiency**
  - Water Supply Infrastructure
  - Buildings
  - Agriculture
- **Better Planning**
  - Demand management
  - Integration WS&D management in RBMP
  - Land use planning
- **Drought observatory**
  - European level Drought Information (+ platform) to be developed and managed at Joint Research Centre
  - Building on National & regional data - Subsidiarity principle
- **Indicator development**
  - Water exploitation index – not very informative (Annual & national average)
  - Development of more informative indicators for WS&D (EEA & pilot countries)

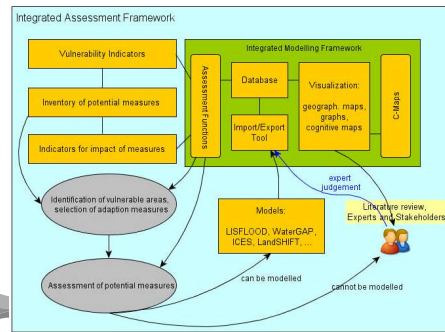


## Water and Adaptation Modelling

- **20 months contract: ends August 2011**
- **Provide analytical basis for assessment of vulnerability of water resources and adaptation measures**
- **Capacity Building**
  - Ad-hoc integrated assessment and modelling framework, making use of JRC outputs.
  - The models and dataset developed in the context of this contract should enable further in-house modelling.
- **Contribute to EU Adaptation Framework**
  - Mainstreaming adaptation into EU Water policy
  - Link with EU Clearinghouse on CC Impacts Vulnerability and Adaptation

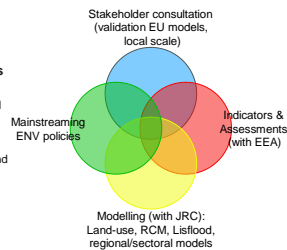


## Water and Adaptation Modelling

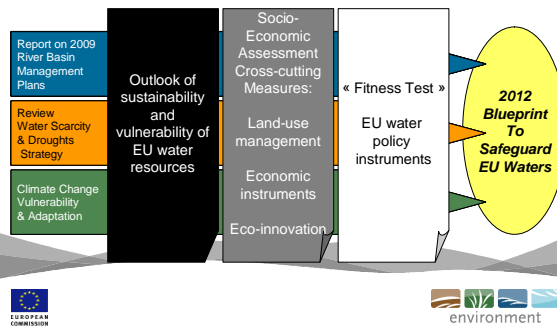


## Natural Water Retention Measures

- **Call for evidence launched on 15/9/2010**
- **Study on costs and benefits of natural water retention measures**
  - Linked with other studies on ecosystem-based approach and green infrastructure
- **Link to key DG ENV Initiatives:**
  - Post-2010 Biodiversity Policy and a Strategy on Green Infrastructure.
  - Resource Efficiency (2011)



## Impact Assessment Blueprint



## Outlook for EU water resources

- **A common assessment complementing SOER2010**
  - Organic/Nutrient pollution, dangerous substances
  - Hydromorphology / Sediments
  - Water gap
  - Disruption water cycle
  - Droughts
  - Floods
- **Common cross-sectoral / cross-policy assessment (drivers, responses)**
- **Baseline, trends, uncertainty, scenarios.**



## A water and environmental resources efficient economy and society

- **focus on ecosystem services**
  - Scenarios for ecosystem conditions & services
  - Quantification of the benefits and cost of land-use measures.
- **cost curves for water supply and demand curves**
  - geographical (RB) and sectoral level of detail
  - effectiveness and affordability of economic instruments
  - link between water and consumption (footprint/virtual water)
- **boost innovation in the water sector**



## "Fitness Test" EU Water policy framework

- **Knowledge base**
  - Indicators, assessments
  - WISE Implementation
- **Policy instruments**
  - Regulation
  - Economic instruments
  - Soft instruments
- **Costs and benefits inaction / action**
- **Implementation (Reporting, Infringements)**



## The Blueprint & the need for Water Accounts

- **Why do we need water accounts for the Blueprint?**
  - As support for a policy aiming at a more resource efficient use of water
  - As support for a policy promoting implementation of ecosystem based approaches for water provision
  - As a tool for demand management at RB level
- **What do we need?**
  - A consistent set of data at RB level
  - Some indication of seasonal variation
  - As large as possible degree of sectoral demand
  - Consistency with other types of analysis at sectoral level (water footprinting, LCA analysis, etc.)
  - Note merely quantitative data - a link with the qualitative aspects is mandatory
- **By when do we need it?**
  - Late 2011 to allow for policy conclusions to be drawn in the Blueprint



## The Blueprint & the need for Water Accounts

- **Next steps – questions to be clarified?**
  - Full set of data expected by EEA for 2012?
  - Is there a possibility to have a first assessment in 2011?
  - Potential shortcut buy use f e.g. JRC hydrological models or other tools?
  - MS plans to include quantitative data in the 2015 RBM plans?
  - Possibility to/need for legislation?
  - What is the right methodology?



*Thank you for your attention*

