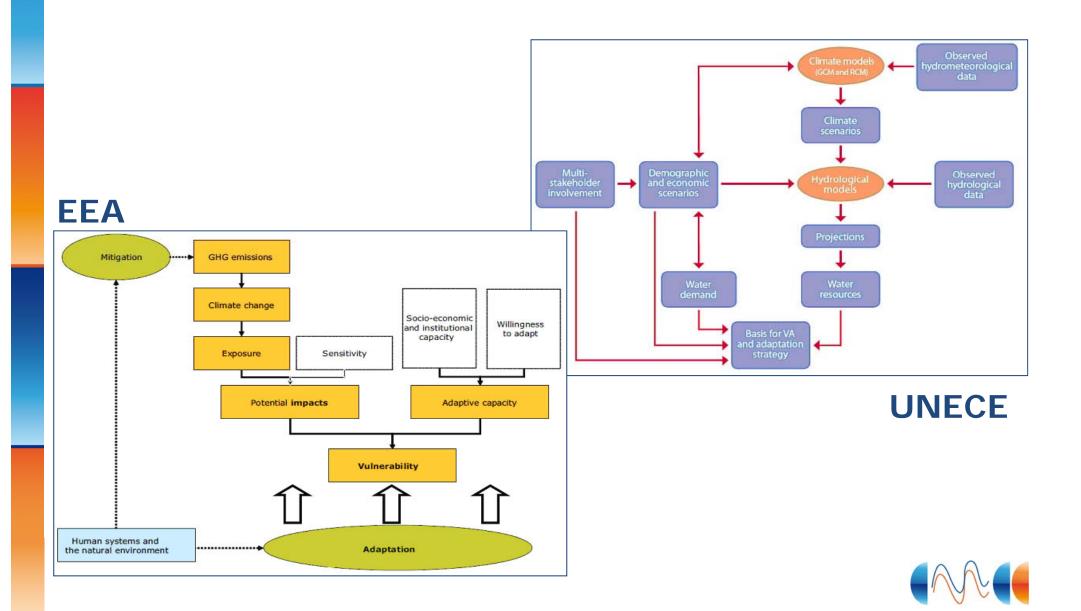


ClimWatAdapt: From the inventory to the assessment of CCA measures in the water sector

Carlo Giupponi Venezia 13/10/2011

Climate Adaptation – Modelling water scenarios and sectoral impacts
Contract N° DG ENV.D.2/SER/2009/0034

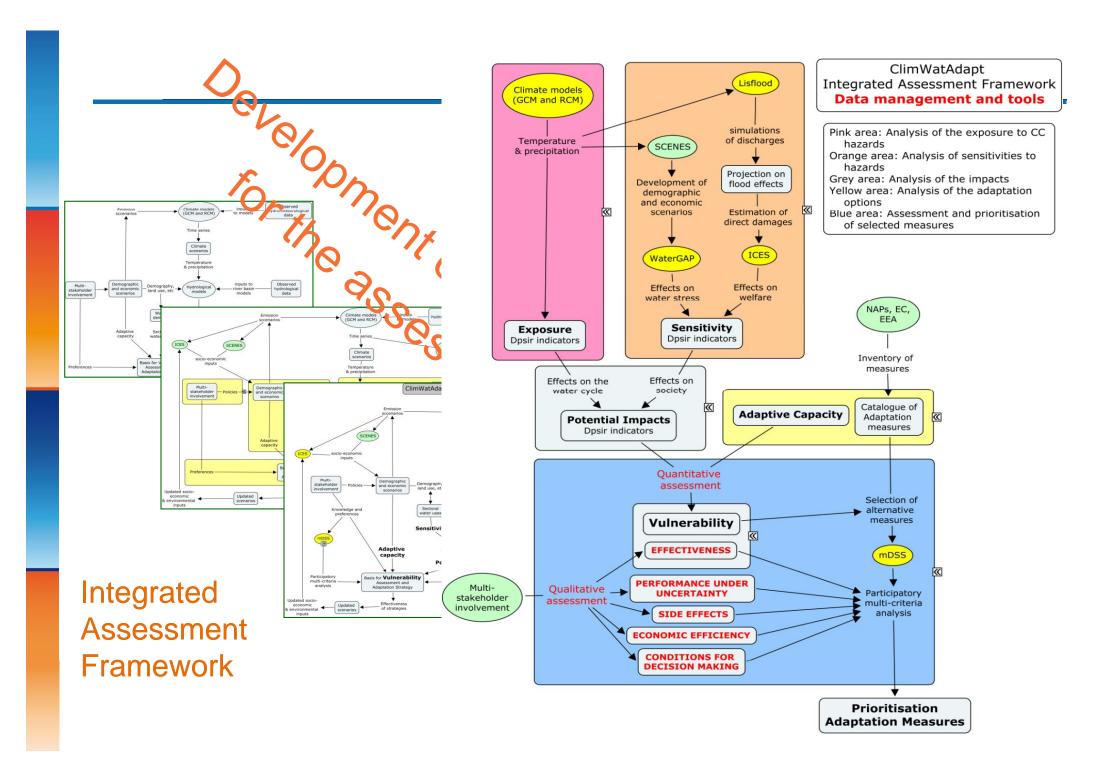
Reference cognitive models



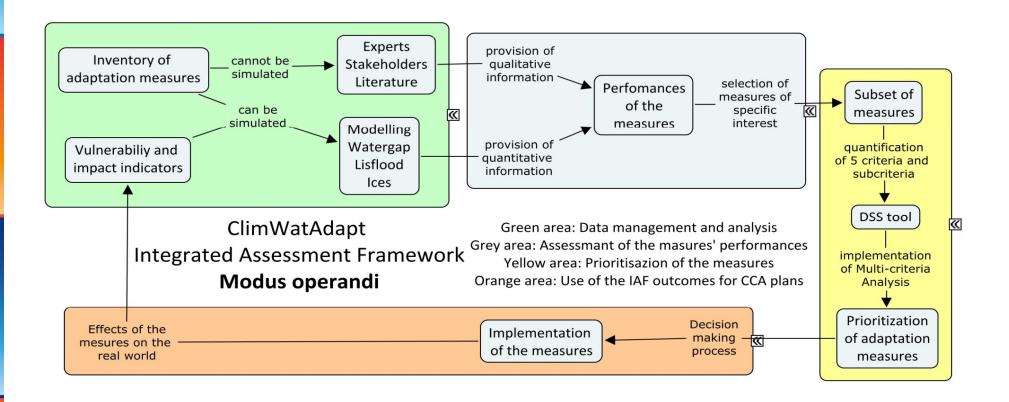
Main CWA-IAF tools

- LISFLOOD: used to model water availability, floods and droughts under future climate conditions, developed in the ENSEMBLES project.
- 2. WaterGAP: used to model future water uses driven by socio-economic scenario input from the SCENES project.
- 3. ICES: used to assess the economic consequences of adaptation measures in an economic equilibriums perspective.
- mDSS: used to analyze alternative options with multi-criteria decision methods (MCDM).



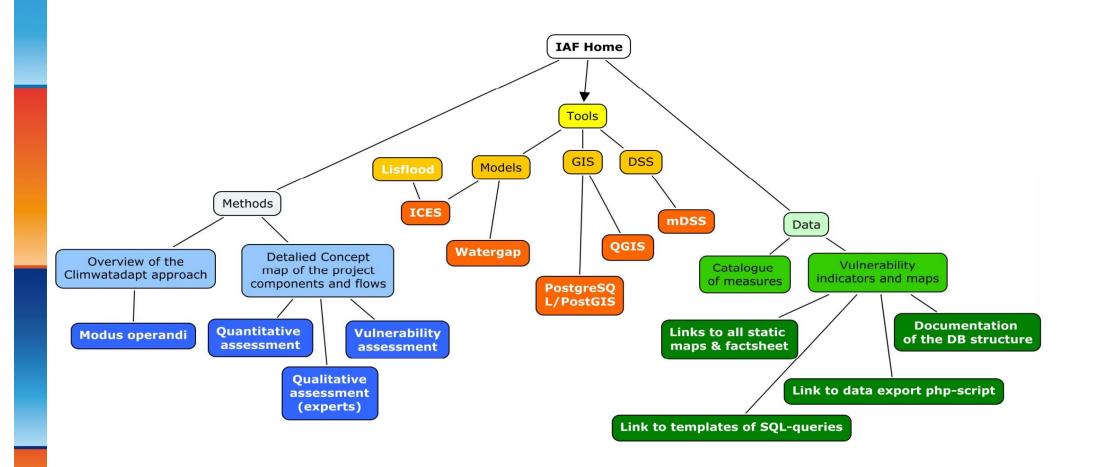


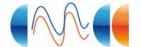
IAF overview





IAF structure



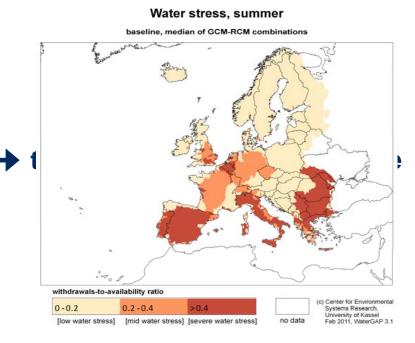


Title of the measure

Description, link to vulnerability framework

Assessment

EU Policies and implementation



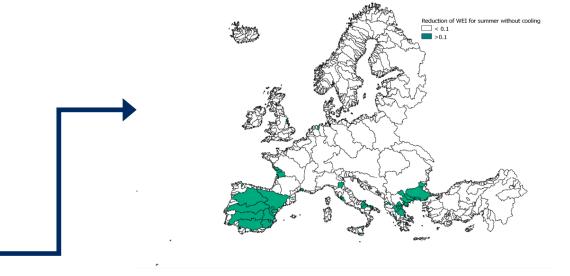


Title of the measure

Description, link to vulnerability framework

Assessment

EU Policies and implementation





Title of the measure

Description, link to vulnerability framework

Assessment

EU Policies and implementation

Quantitative results from the Integrated Assessment Framework IAF

Expert and stakeholder judgments

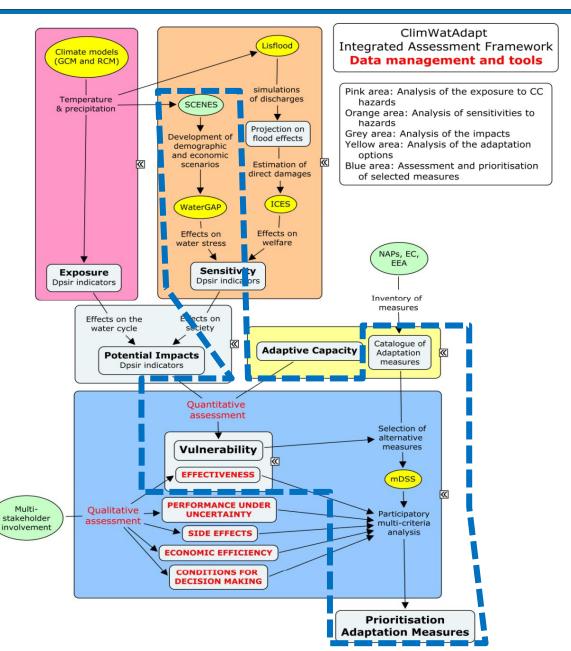


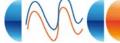
Title of the measure **Description**, link to Quantitative results from the vulnerability framework **Integrated Assessment** Framework IAF **Expert and Assessment** stakeholder judgments literature review **EU Policies and** implementation



Assessment of the measures:

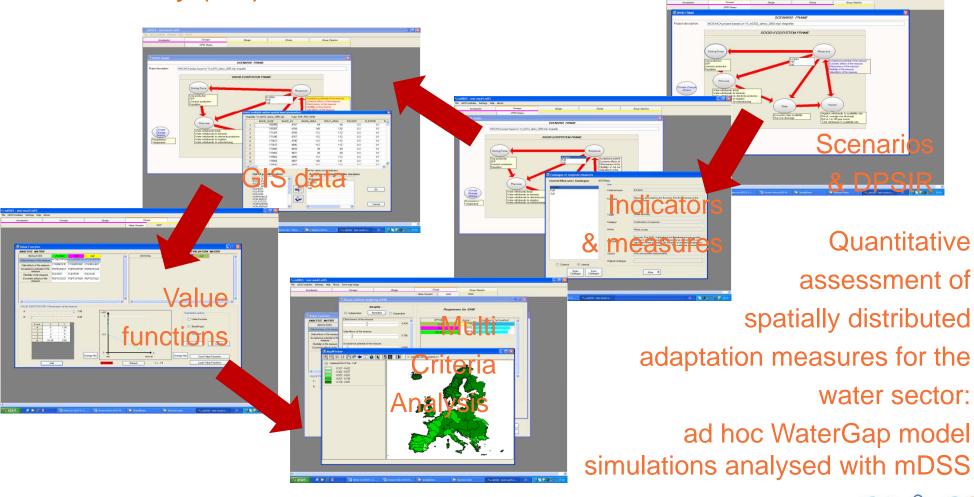
Elements of the IAF activated for the quantitative assessment with WaterGap and mDSS

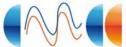




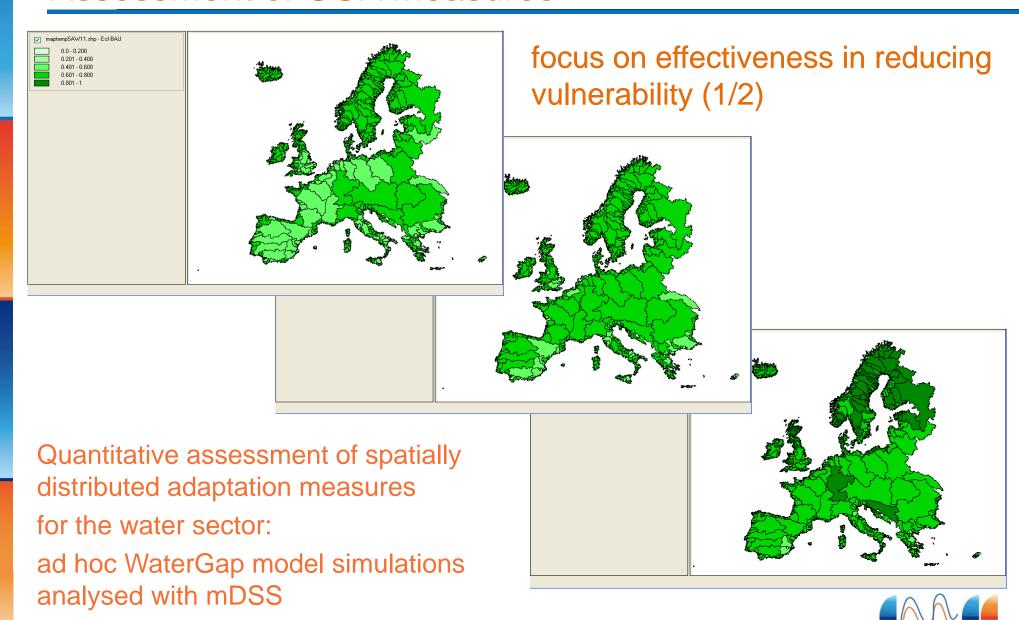
Assessment of CCA measures

focus on effectiveness in reducing vulnerability (1/2)



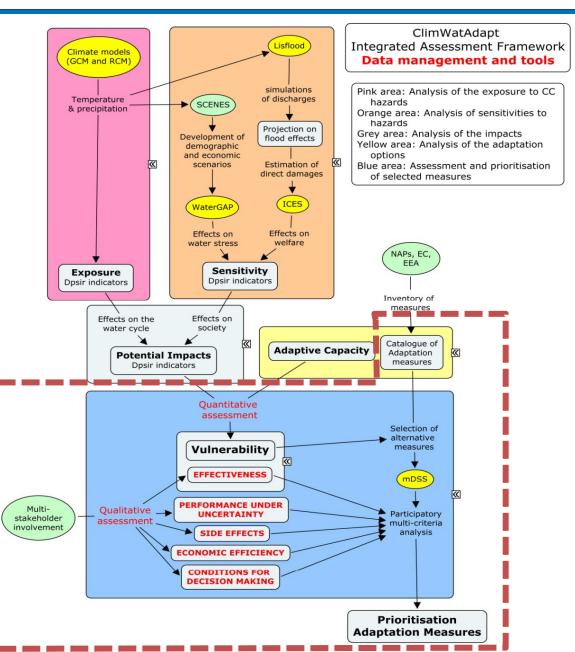


Assessment of CCA measures



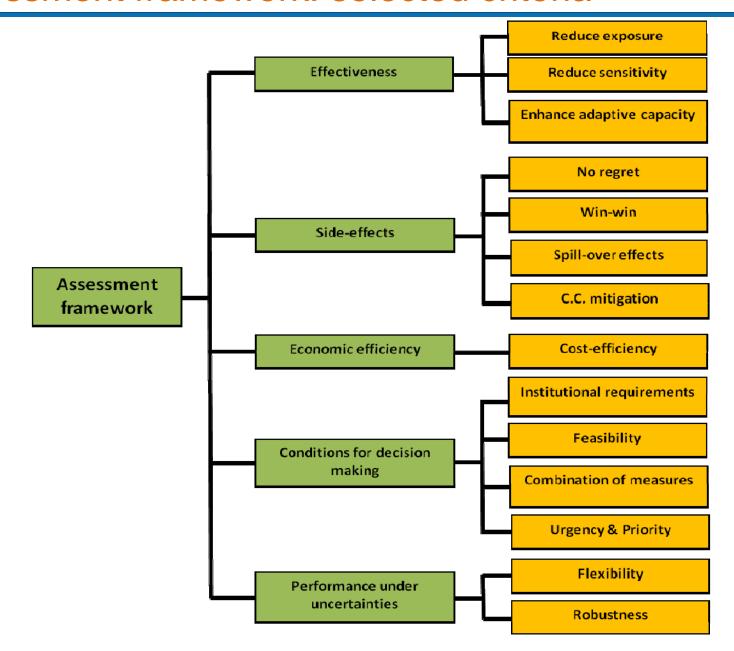
Assessment of the measures:

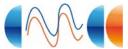
the IAF
activated for
the expert
knowledge
elicitation
exercise and
the web
prototype



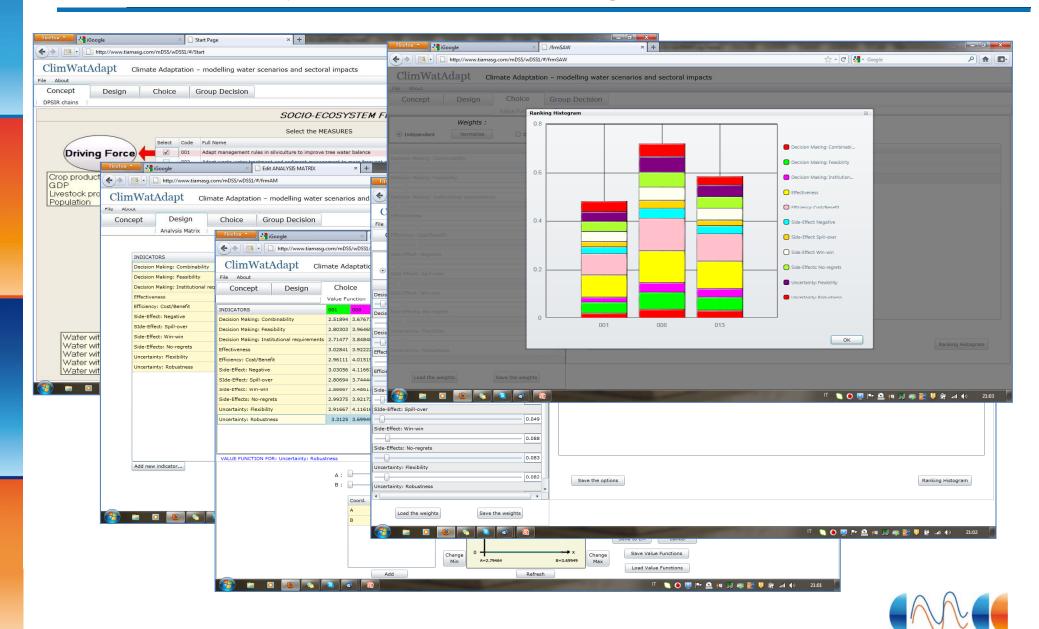


Assessment framework: selected criteria

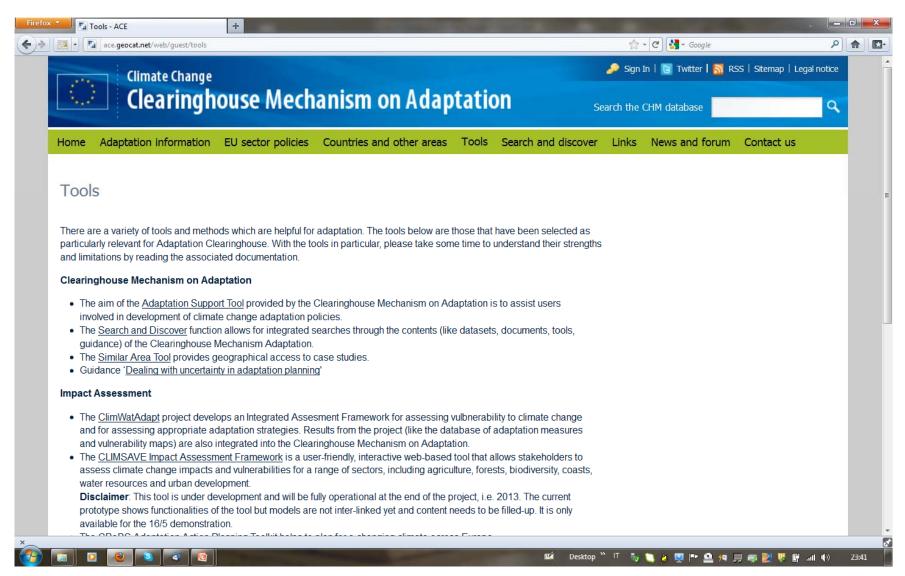




The web prototype => Wise / Clearinghouse



CWA in the Clearinghouse Mechanism for Adaptation







Thank you! carlo.giupponi@cmcc.it