



Jointly adapting to climate change in transboundary basins under the Water Convention

4 February 2015, Beirut Chantal Demilecamps, UNECE

































Why transboundary cooperation is very important in adaptation to climate change?

- To increase effectiveness of adaptation measures;
- To prevent negative impacts of unilateral adaptation measures in riparian countries;
- To enable more effective and efficient adaptation through:
 - Wider knowledge base
 - Larger planning space: take measures in the basin where they have optimum effect
 - Possibility to share costs and benefits































UNECE Water Convention

- → principle of reasonable and equitable use; Precautionary principles; Obligation to exchange information and take measures to prevent, control and reduce transboundary impact
- Guidance on Water and Adaptation to Climate Change (2009)
- General roadmap towards adaptation of water management to climate change
 - Assess impacts of climate change
 - Develop policy, strategic and operational responses
 - Transboundary and health focus











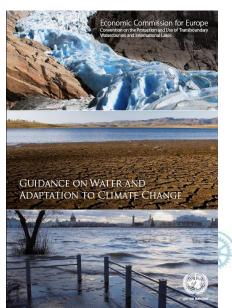
















Global network of basins working on water and climate

- Promote cooperation on adaptation
- Focus mainly on developing a joint adaptation strategy & measures
- Specific focus defined by countries; some focus on water scarcity, others on floods

Platform for exchanging experiences

- Regular workshops and meetings of pilot projects members.
- Internet platform

Collection of good practices and lessons learnt

















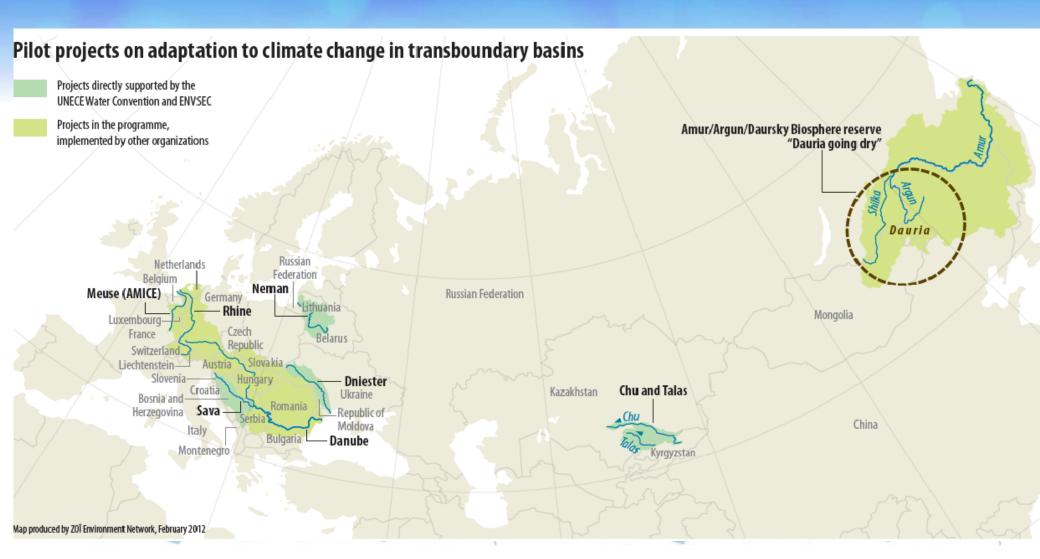






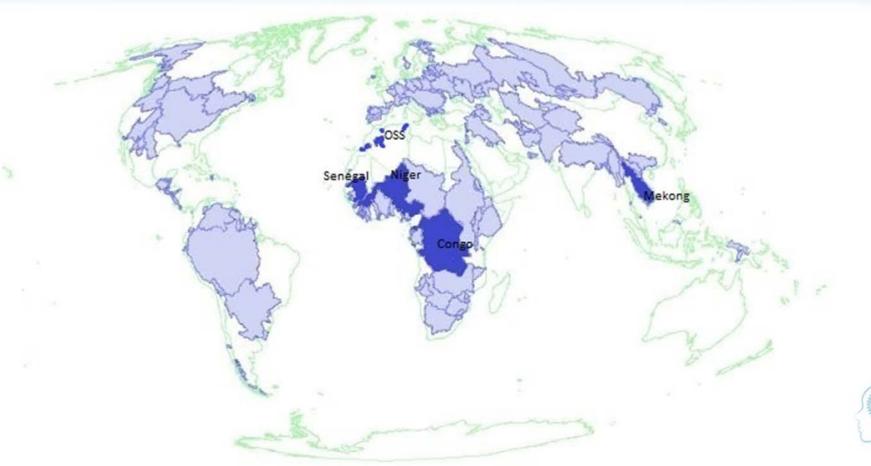


Global network of basins





Basins that recently joined the global network are: Mekong, Niger, Congo, Senegal, OSS (Sub-Saharan Aquifer and Western Sahara)







Example: Neman pilot project





Neman river basin

Country	Catchment area, %
Lithuania	47.7
Belarus	46.4
Russian	3.2

Federation 2.6

Latvia 0.1

















Objective: Improve integrated river basin management and transboundary cooperation in times of a changing climate in the

Neman river basin

Step 1: climate projections

Step 2: Run off projections

Step 3: Possible changes of water quality

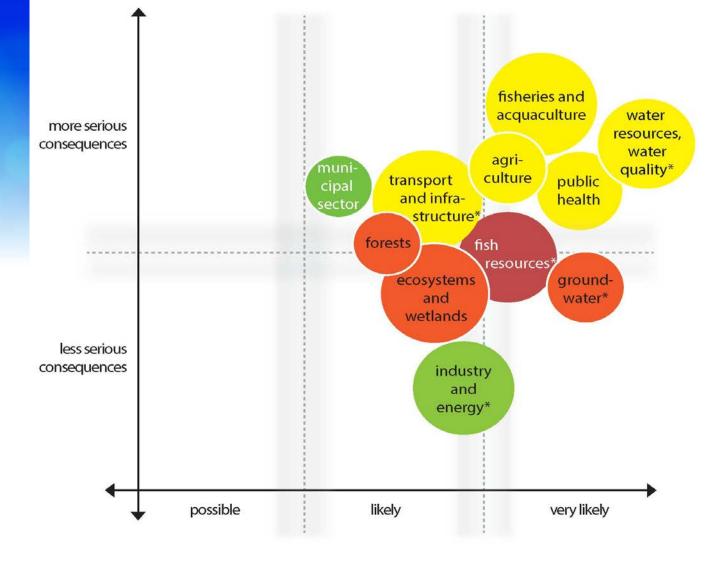
→ determined that the impact of climate change will be more important for runoff in the Neman River Basin than forecasted impact of water use changes

Step 4: Multi-stakeholders workshop

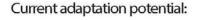




Possible impacts of climate change in the Neman river basin







* (coordinated) basin-level actions are needed

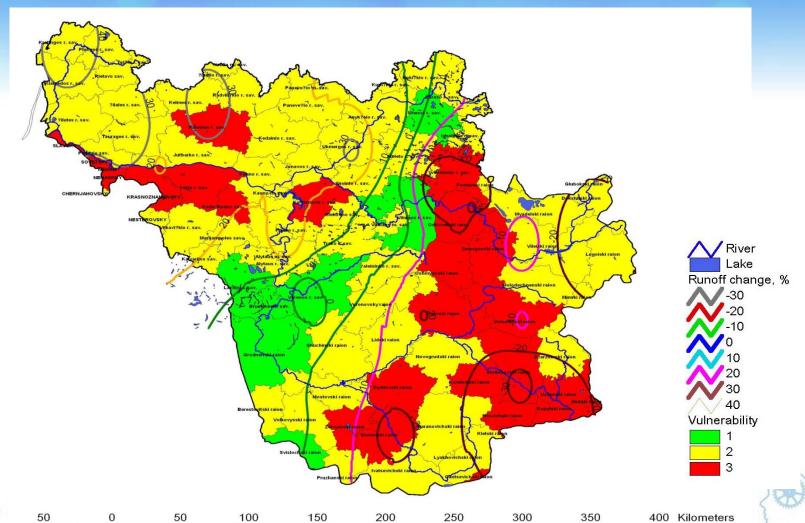








Vulnerability analysis









Outcomes of the project and lessons learnt

- > STRATEGIC FRAMEWORK FOR THE NEMAN RIVER BASIN ADAPTATION TO CLIMATE **CHANGE**
- Communicate results appropriately to policy-makers
- Find a compromise, consider interests from all riparians
- Formal transboundary agreement or national documents about water management under changing climate conditions are crucial.
- Important role of local communities (public information and participation)
- Reduce differences of opinion and help find common solutions via effective communication



























Thank you!

Water and Climate Change website:

www.unece.org/env/water/water_climate_activ.html

www2.unece.org/ehlm/platform/display/ClimateChange/Welcome

For more information, please contact:

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