Side event

Sharing best practices: release of new publications on climate change adaptation and aquatic ecosystems restoration

Daegu
15 April 2015

Daniel VALENSUELA – INBO/ IOW
Two new publications

- Water and Climate Change Adaptation in Transboundary Basins: Lessons Learned and Good Practices
- The Handbook for Management and Restoration of Aquatic Ecosystems in River and Lake Basins

March 2015
Moderators

- Mr. Nicholas Bonvoisin (UNECE)
- Mr. Daniel Valensuela (INBO)

*Water and Climate Change Adaptation in Transboundary Basins: Lessons learned and Good Practices“*

- Ms. Sibylle Vermont (Federal Office for the Environment, Switzerland),
- Mr. Daniel Valensuela (INBO)

*Management and restoration of aquatic ecosystems in river and lake basins*

- Mr. Alain Bernard (IOWater)
- Mr. Michael Scoullos (GWP - Global Water Partnership).

Reacting speakers:

- French Development Agency, as Donor
- Zambezi River Authority, as basin Organisation.
Water and Climate Change Adaptation in Transboundary Basins: Lessons Learned and Good Practices

- 127 pages
- 63 lessons learned
- 58 case studies

Task force/editorial/drafting groups: 22
Case study providers: 56
**Principle**

**Lessons learned (LL)**
- Advice on how to develop one critical element of the ACC Planning process
- Current state of art, state of know-how of the process resulting of practice & experience

**Case studies (CS)**
- Give example(s) about one or more LL
- Guaranty that LL is linked to ground practice
- Reference for getting more information on the practical development
<table>
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<th>Section</th>
<th>Overview</th>
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<tr>
<td><strong>I. Introduction</strong></td>
<td>Wide basin approach, Uncertainty, Ecosystem-based approach, Link to other sectors/levels, Legal framework, Organising the process, Capacity - Communication</td>
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<td><strong>II. Content and process</strong></td>
<td>Data collect, exchange, storage, Assessing vulnerability, opportunities &amp; synergies, Use and integration of scenarios - models</td>
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<td><strong>III. Vulnerability &amp; impact assessment</strong></td>
<td>Structural / non structural measures, Basin monitoring system, Prioritization of measures, Financing implementation</td>
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<td><strong>IV. Developing adaptation measures</strong></td>
<td>Basin wide evaluation system, Regularly update assessment</td>
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<td><strong>V. Monitoring &amp; evaluation actions</strong></td>
<td>37 lessons, 12 lessons, 4 lessons</td>
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Lesson 4. Integrate climate change within river basin management planning

Case study 2.2 Developing a strategy for climate change adaptation in the Danube Basin

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Lesson 8. Use ecosystem-based adaptation as a cost effective alternative to « grey » infrastructure

Case study 2.6  Ecosystem-based approach and green infrastructure in Denmark

Case study 2.7  Making the case for an ecosystem adaptation strategy in the great lakes Basin
Lesson 13. Design new transboundary agreements to be flexible

Case study 2.13 Cooperation between Mexico and United States
Lesson 22. **Ensure stakeholder participation in all steps of the development and implementation of adaptation strategies and measures**

Case study 2.21 **Climate change stakeholder consultations in the transboundary Bugesera Basin shared by Rwanda and Burundi**

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Lesson 28. Facilitate the exchange of insights and experience between stakeholders on adaptation activities to learn and build capacities.

Case study 2.26 Exchanges between basin organisations on climate change: First Rhine – Mekong symposium...
Lesson 33. Tailor messages to your audience, based on its characteristics and needs

Lesson 37. Use targeted approaches to raise awareness on the need of adaptation

Case study 2.30  « Colours of the Dniestr » : how to engage children in climate change adaptation

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Lesson 38. Identify information needs and processes for assessing gathering compiling and exchanging information

Case study 3.1 Development of geoportal for Dniestr Basin

Case study 3.2 Prediction of water levels of Ubangui River

Case study 3.3 Joint database for the Neman River Basin
Lesson 43. Consider the whole basin and all steps of the water cycle in the vulnerability assessment

Case study 3.5 Classifying the climate vulnerability of the Moldovan part of the Dniestr
Lesson 48. Develop a mix of structural and non-structural measures

Case study 4.1  Structural interventions in the Senegal River Basin

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And now, read it and use it ...