



Transboundary basins & climate change: initiatives of International Network of Basin Organisations (INBO)

Budapest, 12th September 2018

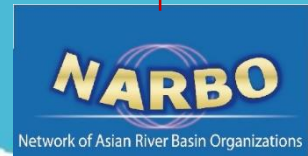
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IOW PROVIDES TECHNICAL PERMANENT SECRETARIAT FOR THE INTERNATIONAL NETWORK OF BASIN ORGANISATIONS

192 MEMBERS, 71 COUNTRIES, 8 REGIONAL NETWORKS

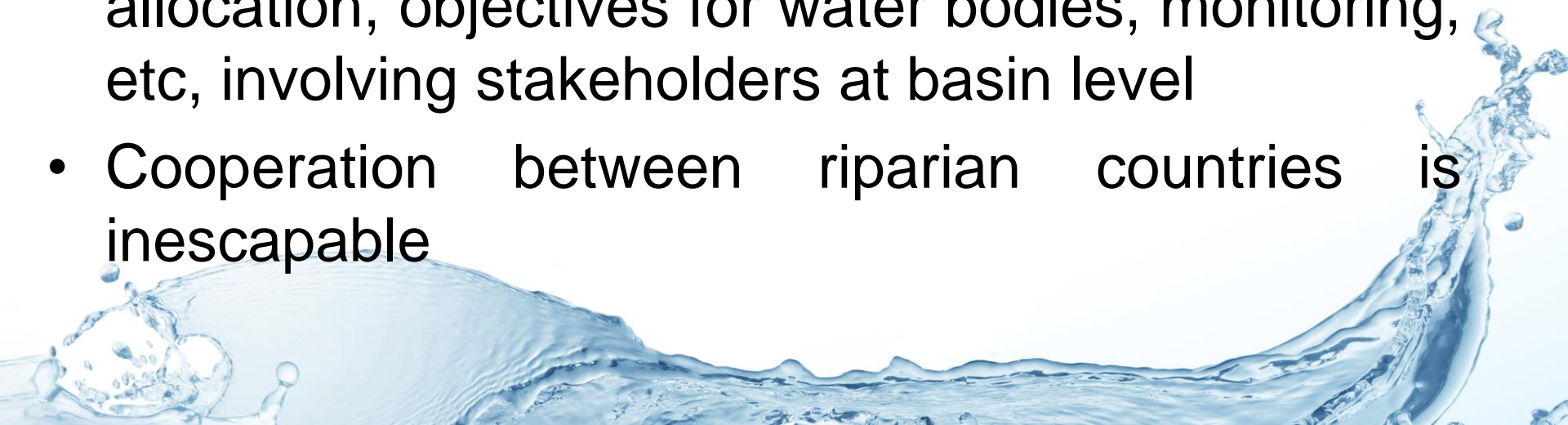


Сеть водохозяйственных организаций стран Восточной Европы, Кавказа и Центральной Азии





- Climate change is one of the pressures on water resources
- With impacts on floods, droughts, water uses and ecosystems
- Integrated Water Resources Management (IWRM) is an overall approach to plan water allocation, objectives for water bodies, monitoring, etc, involving stakeholders at basin level
- Cooperation between riparian countries is inescapable



Handbook: adaptation to climate change in transboundary basins



INBO in partnership with UNECE with GWP and others

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE
INTERNATIONAL NETWORK OF BASIN ORGANIZATIONS

Water and Climate Change Adaptation in Transboundary Basins:

Lessons Learned
and Good Practices

19 key-messages
63 lessons learned
58 case studies



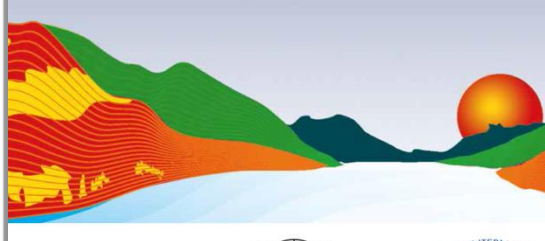
UNITED NATIONS



COMMISSION ECONOMIQUE DES NATIONS UNIES POUR L'EUROPE
RESEAU INTERNATIONAL DES ORGANISMES DE BASSIN

L'eau et l'adaptation au changement climatique dans les bassins transfrontaliers :

Leçons à retenir
et bonnes pratiques



NATIONS UNIES



ЕВРОПЕЙСКАЯ ЭКОНОМИЧЕСКАЯ КОМИССИЯ
МЕЖДУНАРОДНАЯ СЕТЬ БАСЕЙНОВЫХ ОРГАНИЗАЦИЙ

Проблемы воды и адаптации к изменению климата в трансграничных бассейнах:

Извлеченные уроки
и передовая практика



ОРГАНИЗАЦИЯ ОБЪЕДИНЕННЫХ НАЦИЙ



Handbook: adaptation to climate change in transboundary basins



Some key-messages

- Transboundary basin-wide cooperation reduces uncertainty and costs
- Transboundary adaptation is a challenge, but it can be more efficient and effective (sharing of data, methodologies, resources, enlargement of measures implementation)
- A transboundary basin organization with all the riparian countries plays a crucial role
- A flexible legal framework, such as a transboundary agreement, can be supportive
- Vulnerability assessment is especially important at the transboundary basin scale
- Adaptation measures and mitigation aspects are taken into account both

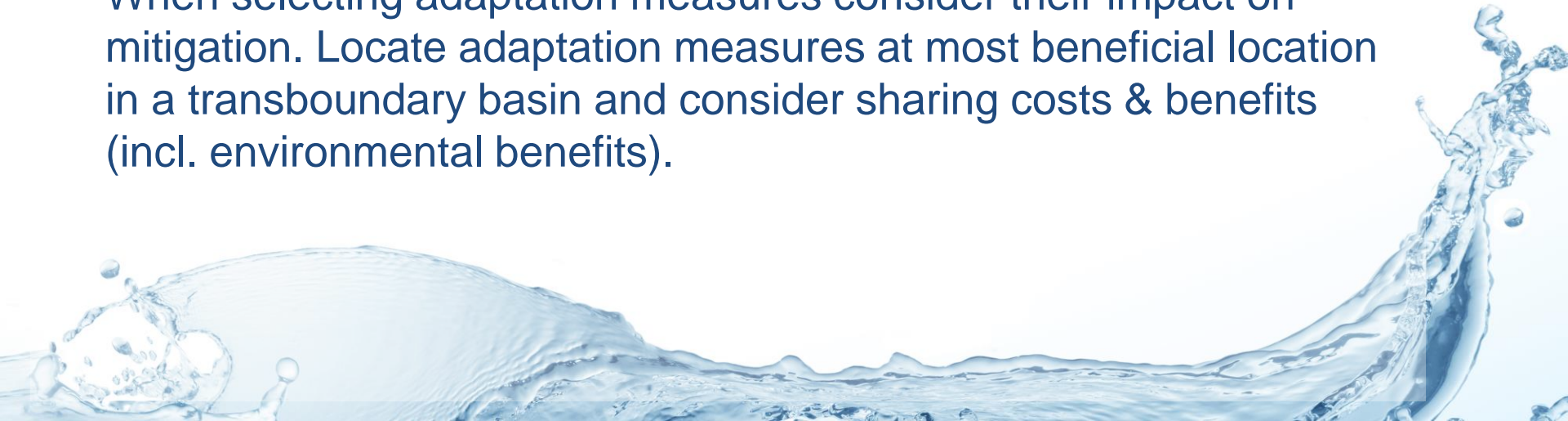


Handbook: adaptation to climate change in transboundary basins



Some lessons learned

- Ensure that adaptation policies consider climate change as one of many pressures on water resources.
- Develop an adaptation strategy at transboundary level, involving all sectors, ministries, and stakeholders.
- Build transboundary teams among scientists, administrative authorities, non-governmental groups and technical experts to enable joint actions, such as assessments and awareness rising.
- When selecting adaptation measures consider their impact on mitigation. Locate adaptation measures at most beneficial location in a transboundary basin and consider sharing costs & benefits (incl. environmental benefits).





PARIS PACT: 1st priority commitment.

Reinforce capacity development and knowledge

- Establish basin-wide networks for monitoring (meteorology, hydrology, quality, uses, environment, etc), data exchange and Water Information Systems
- Improve data interpretation capacities to develop decision support tool
- Develop exchanges between research and decision making

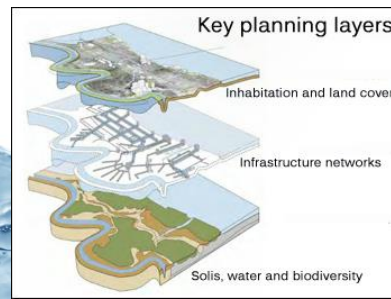




PARIS PACT: 2nd priority commitment

Adapt basin management planning

- Assess impact of climate change and vulnerability at basin level
- Produce adaptation strategies and develop associated River Basin Management Plans with performance indicators
- Control water demand for all uses: water saving, retention measures, network restoration, reuse, rainwater harvesting, polluter-pays principle, etc.
- Enhance water-related ecosystems services (Natural Water Retention Measures)





PARIS PACT: 3rd priority commitment

Reinforce governance

- Strengthen institutional capacities (experiences sharing) and individual capacities of Basin Organisations staff (training)
- Support mechanisms to involve stakeholders in basin management
- Improve consistency of policies (agriculture, energy, transport, tourism, fish farming, etc.) with adaptation policy for water



In partnership with UNECE



PARIS PACT: 4th priority commitment

Ensure adequate financing

- Establish investment programs
- Establish sustainable financing mechanisms (« Polluter/user pays » principle, financial equalisation, etc)
- Develop cross funding strategy



COP22: creation of the **Global Alliances for Water and Climate (GAWC)**



Gathering the networks of individual Alliances into the **GAWC**:

- **Alliance of Basins (Paris Pact)**,
- **Business Alliance for Water And Climate Change - BAFWAC**, launched by the Carbon Disclosure Project - CDP, the CEO Water Mandate, the World Business Council for Sustainable Development and SUEZ, which has now 44 member organizations, including 30 leading companies,
- **Alliance of Megacities for Water and Climate**, facilitated by UNESCO, ICLEI, SIAAP and Arceau-IDF, gathering 16 Megacities for a total population of 300 million inhabitants,
- **Global Clean Water Desalination Alliance** (126 signatories).

Secretariat of the GAWC: INBO

<http://www.water-climate-alliances.org/>

Paris Pact « Water and climate projects » needs a specific tool



Water is the first victim of climate change,
Gap between donors and project holders,
Necessity to complement country approach with basin approach,
Lack of « interest » from donors towards micro or small projects:

Towards a Global Alliance for Water and Climate Incubator Platform (Gawcip) to develop more and better projects, with a focus on basin scale projects, including transboundary basins projects



THANK YOU FOR YOUR ATTENTION

To download the handbook (and others), to sign the Paris Pact and to gather more information:

<https://riob.org/en>

<https://riob.org/en/documents/all-handbooks-basins-management>

<https://riob.org/fr/node/7342>

<http://www.water-climate-alliances.org/>

