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“El Nexo de Agua, Energía y Alimentación en el marco de las políticas públicas de la región ALC y la Agenda 2030”

Foro Virtual #3: Manejo Integrado de Cuencas Bajo una Perspectiva NEXO.

**¿Cómo se puede mejorar la sustentabilidad y la efectividad en el manejo integrado de cuencas
bajo una perspectiva Nexo?**

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Nexus Mapping Study in South East Europe
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Study context & objectives (2017)

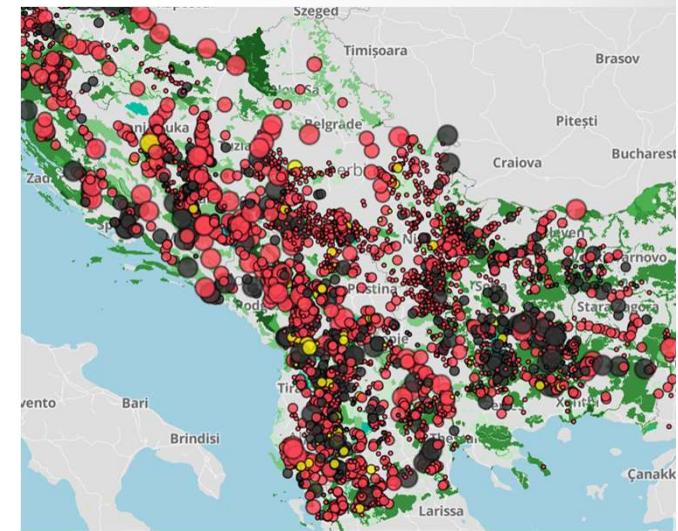
- **Study area:** South Eastern Europe SEE2020 Region, including Albania, Bosnia and Herzegovina, the Former Yugoslav Republic of Macedonia, Kosovo*, Montenegro and Serbia.
- Since 2013, regional **growth strategy** entitled “SEE 2020 – Jobs and Prosperity in European Perspective”: **Environment** is one of the four Dimensions.
- **Support to policy process** by BMU, UBA, GEF, ADA, World Bank, UNECE
- Background (qualitative) Study for the SEE2020 Region **Nexus Policy Dialogue Process**. Regional Roundtable on “The path towards Water, Energy, Food and Ecosystems Nexus in Southeastern Europe (SEE)”
 - Identification of **interlinkages and potential benefits, trade-offs and conflicts** among Nexus sectors (water, energy, food and ecosystems).
 - Identification of the **level of integration** of management of natural resources related to Nexus.
 - Brief assessment of the level and status of cooperation for the management of **transboundary basins** in the SEE2020 region.



* This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo declaration of independence

Key Nexus conflicts/trade-offs

1. **water (over)allocation** to the different uses, in particular during drought events
2. increasing **flow regulation by hydropower** for electricity generation, **affects nature conservation areas**
3. increasing **use of energy in the food production** (e.g. irrigation, fertilization, transport)
4. **pollution of surface and groundwater** by pesticides and nutrients, and their treatment (costs)
5. **land-use intensification** and disappearance of certain habitats/ecosystems, incl. **biofuel production** as renewable energy
6. unregulated **cutting of fuelwood** can contribute to deforestation and biodiversity loss.



Integration of Nexus aspects in recent regulation, strategies or plans

	Albania	Bosnia and Herzegovina	Kosovo*	Montenegro	The Former Yugoslav Republic of Macedonia	Serbia
Water integrates Energy	medium	low	high	high	high	medium
Water integrates Food/Agriculture	low	low	high	high	high	medium
Water integrates Ecosystems	medium	high	low	low	low	high
Energy integrates Water	low	no	low	low	medium	no
Energy integrates Food/Agriculture	low	no	no	medium	low	no
Energy integrates Ecosystems	no	no	low	low	no	medium
Food/Agriculture integrates Water	high	no	low	high	low	no
Food/Agriculture integrates Energy	no	no	high	no	no	no
Food/Agriculture integrates Ecosystems	high	no	no	high	no	no
Ecosystems integrates Water	low	no	low	low	low	no
Ecosystems integrates Energy	no	no	no	medium	low	no
Ecosystems integrates Food/Agriculture	low	no	no	medium	low	no

Current Nexus management

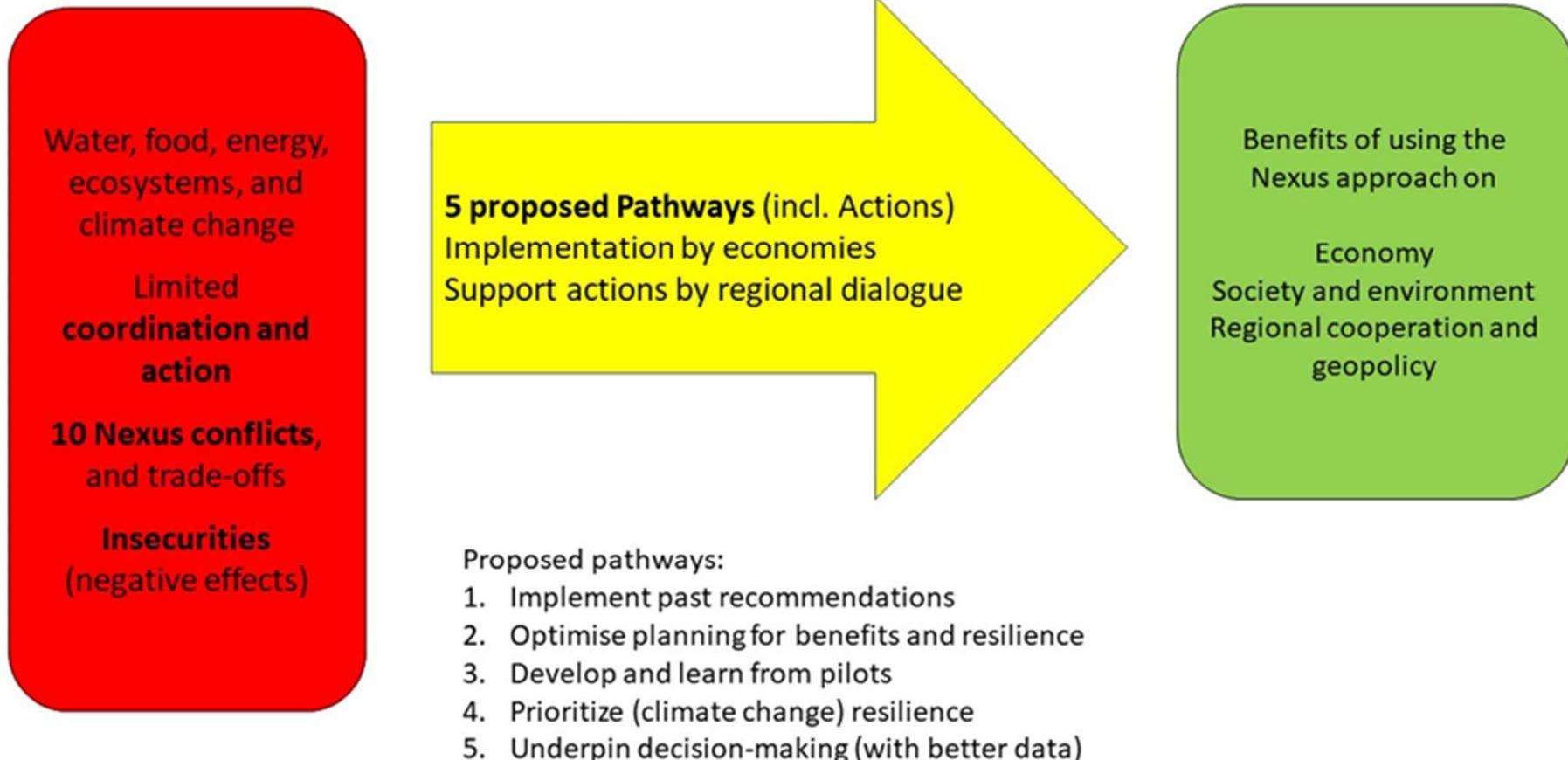
Good practice

1. Establishment of **inter-ministerial coordination** bodies
2. Operation of multi-sectoral **consultative bodies** (e.g. rural development)
3. **Integration of water and biodiversity targets in agriculture/rural development plans**
4. The elaboration of Nexus **conflict studies** to identify areas of negotiation or synergies

Gaps/challenges

1. More or less **formal cooperation**, which does however not necessarily translate into **policy integration**
2. **Isolated efforts**, lacking link with overall and/or higher-level processes
3. Lack of **common targets**, including points of departure

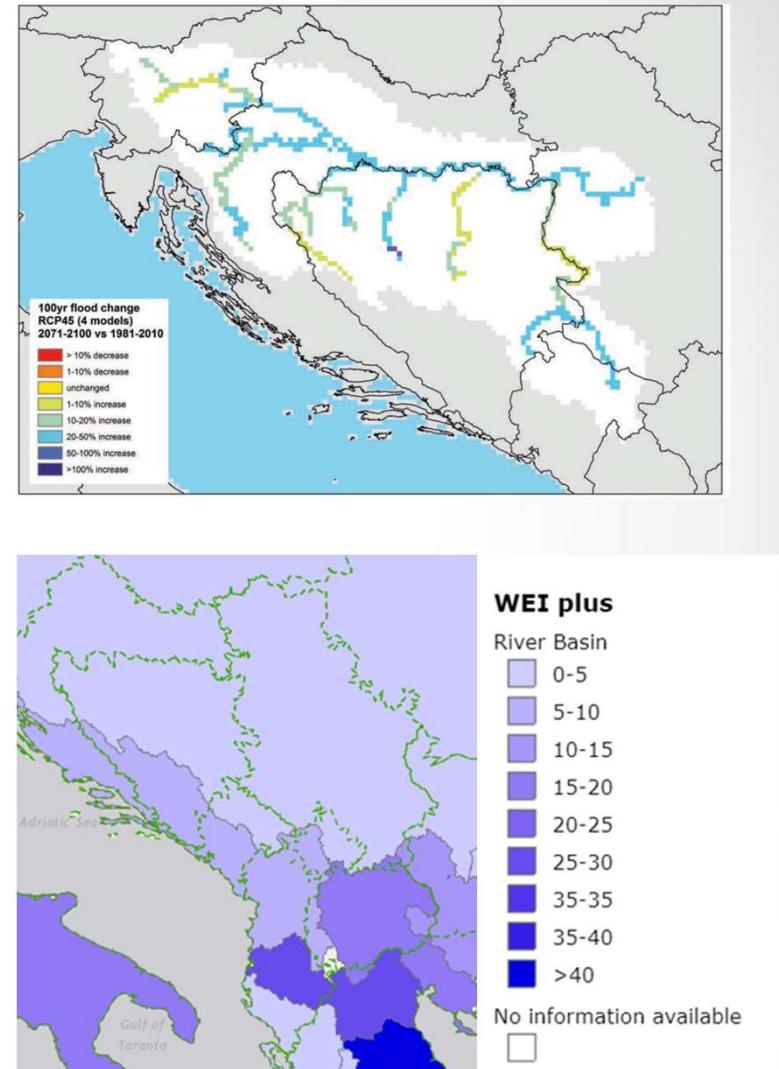
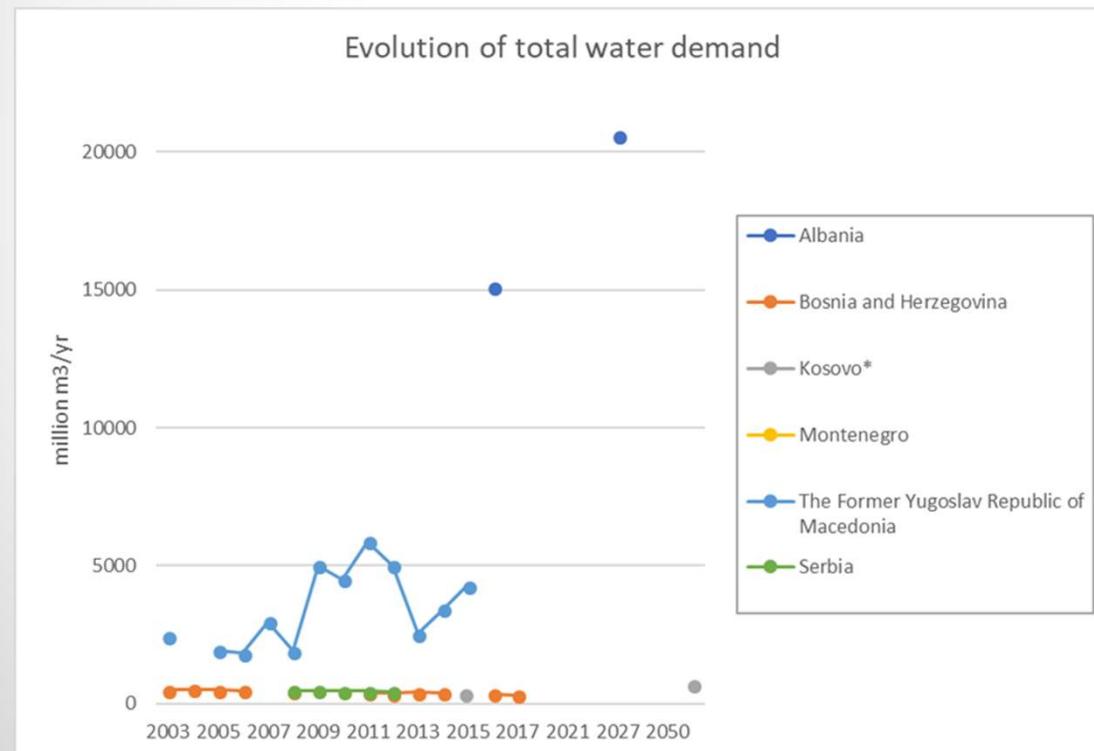
Proposed strategy from Nexus conflicts, trade-offs and insecurities to Benefits



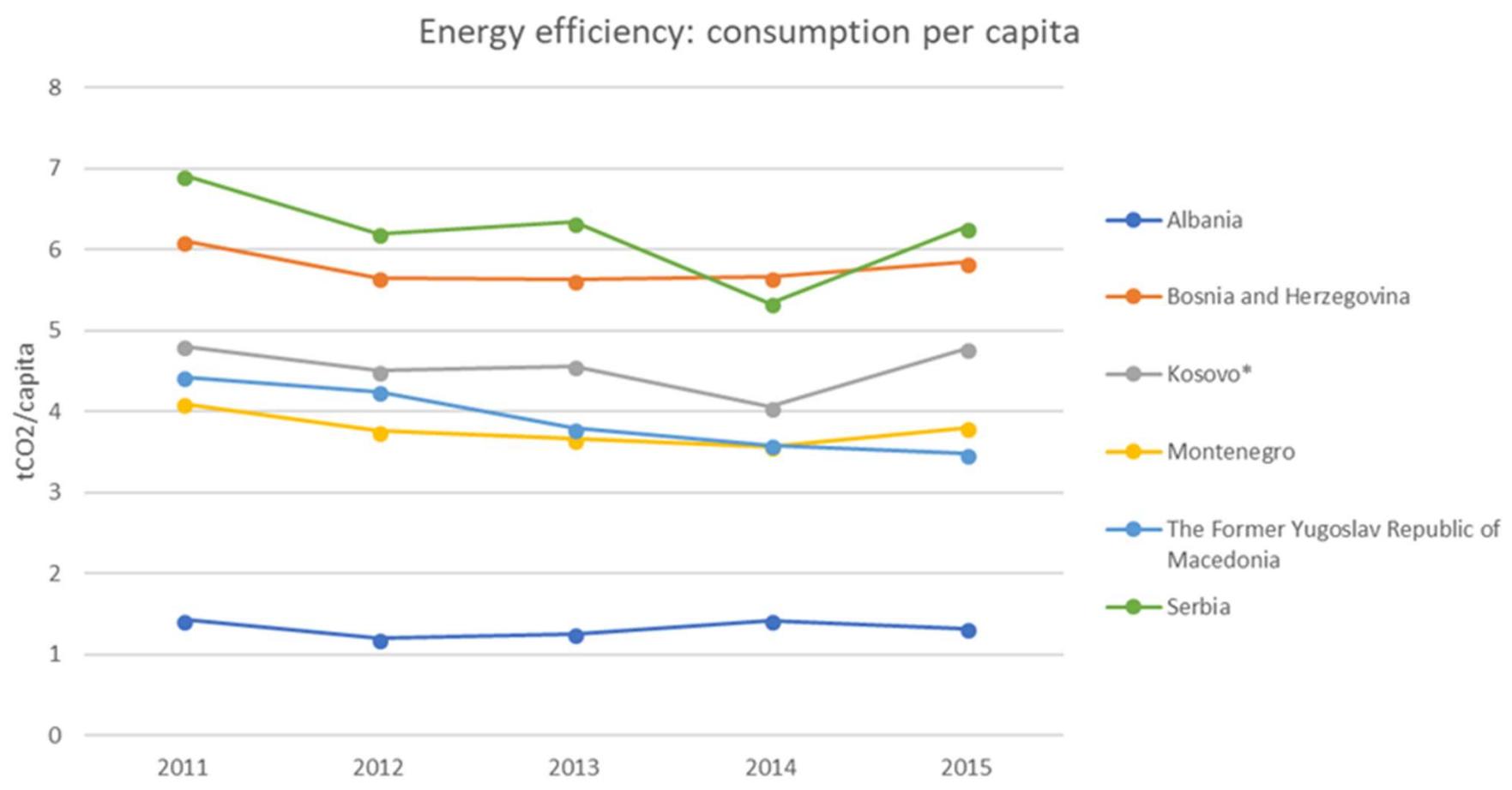
Replicability

- **External** (transboundary) assessment & **internal** review
- **Qualitative** assessment
- Water, Energy, Food and Ecosystems Nexus integration **results** in legislation, plans & administrative structures
- **Action focus** (policy & financing attention) on:
 - Nature-based solutions: Actions to protect, sustainably manage, and restore natural or modified ecosystems, that address societal challenges effectively and adaptively, simultaneously providing human well-being and biodiversity benefits
 - Climate resilience
 - Resource efficiency

e.g. Integration of climate resilience



e.g. Resource efficiency





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Proposed steps towards a Nexus Strategy/Roadmap

Pathways	Steps
Implement past recommendations	<ul style="list-style-type: none"> - Implementation by concerned economies of actions adding value to on-going and emerging Nexus processes - Self-assessment of implementation and barriers - Regional identification/establishment of further funding sources for implementation - Regional exchange and monitoring on good practice and lessons learned during implementation
Optimise planning for benefits and resilience	<ul style="list-style-type: none"> - Foster early vertical and inter-sector cooperation within governmental authorities - Coordinate/integrate the different timeframes and geographic scales for planning in different sectors
Develop and learn from pilots	<ul style="list-style-type: none"> - Set up pilot experiences on the different actions in the economies - Draw lessons learned - Share and compare the experiences at regional level - Upscale implementation after learning - Document the process and experiences at regional level
Prioritize (climate change) resilience	<ul style="list-style-type: none"> - Develop planning based on resource availability and demand projections - Promote climate-resilient and no-regret measures (resource efficiency and nature-based solutions)
Underpin decision-making (with better data)	<ul style="list-style-type: none"> - Improve available monitoring, datasets, information - Promote procedures and platforms for accessibility and understanding