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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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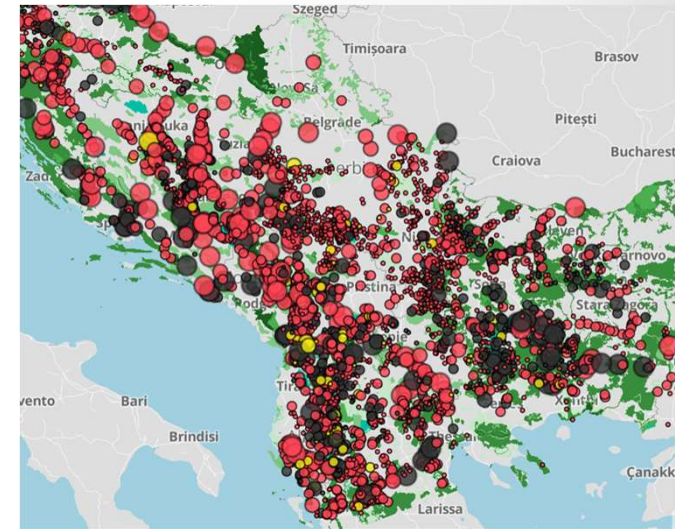
# Study context & objectives (2017)

- **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

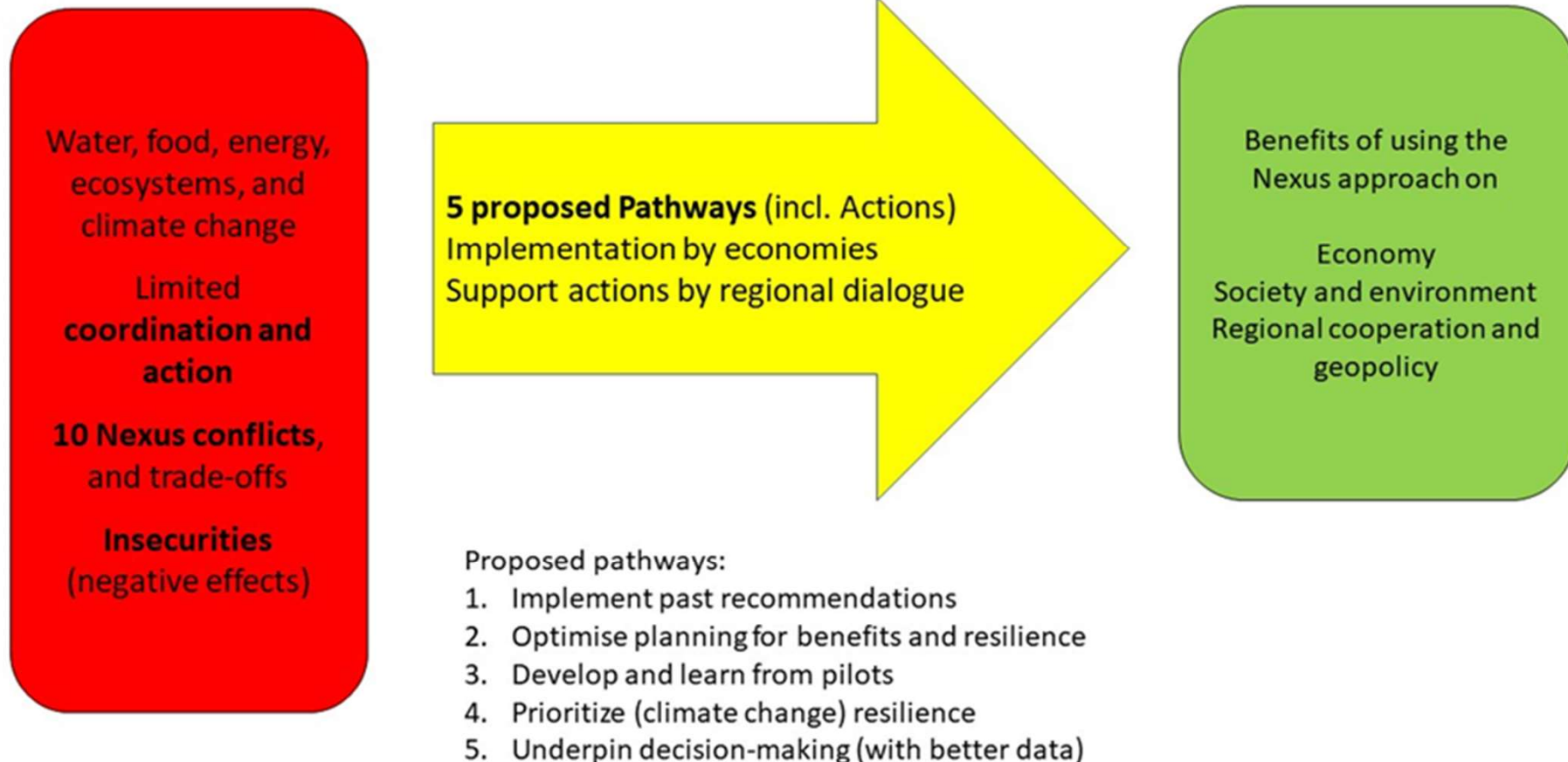
## Good practice

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

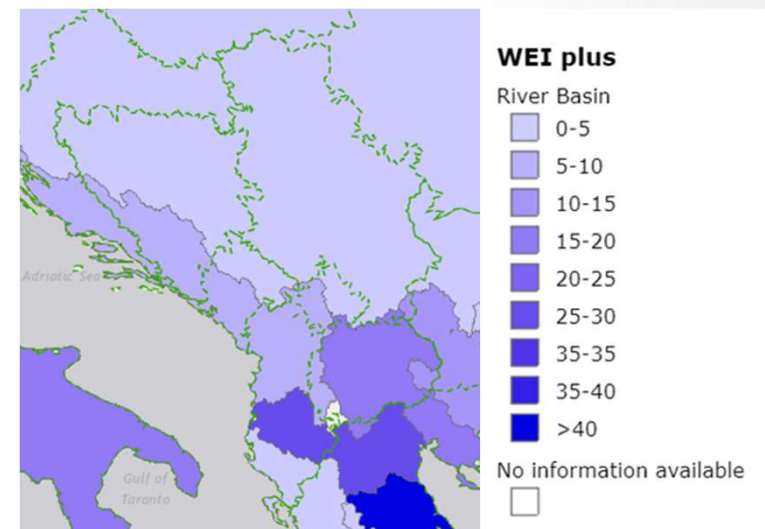
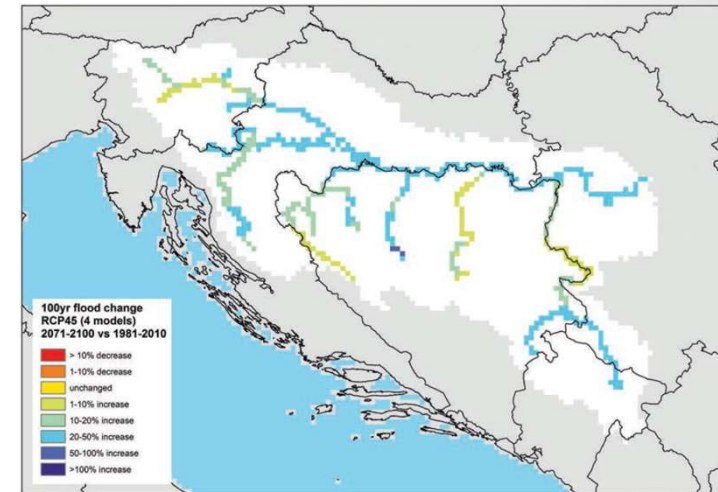
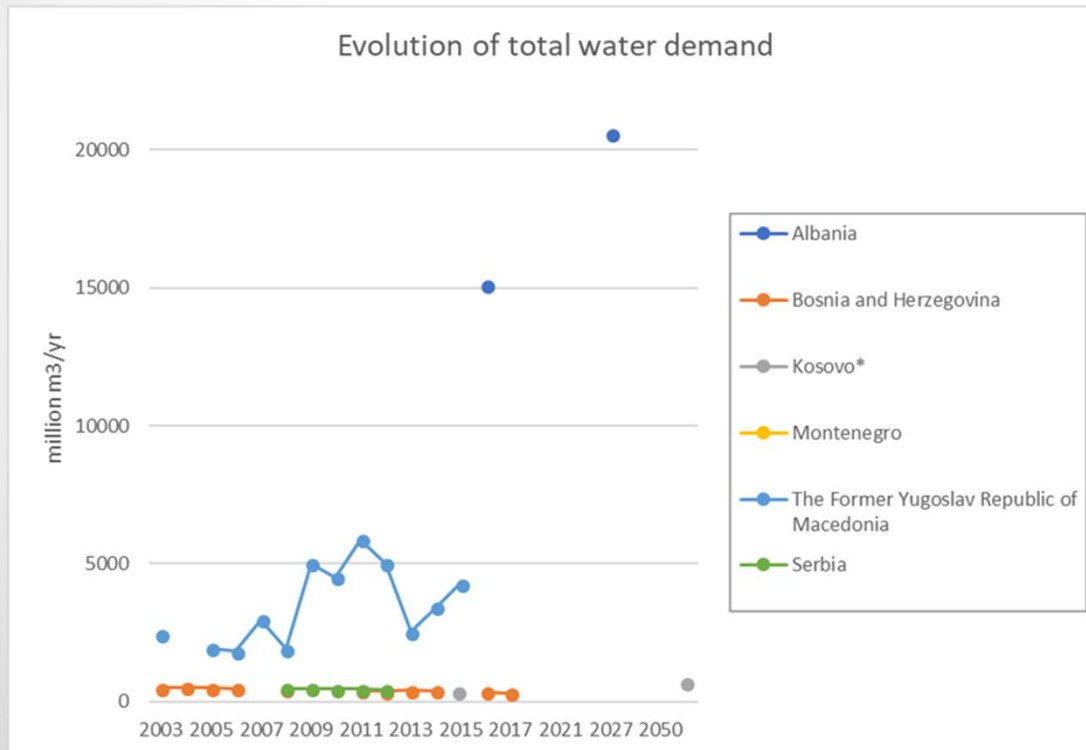
# Proposed strategy from Nexus conflicts, trade-offs and insecurities to Benefits



# Replicability

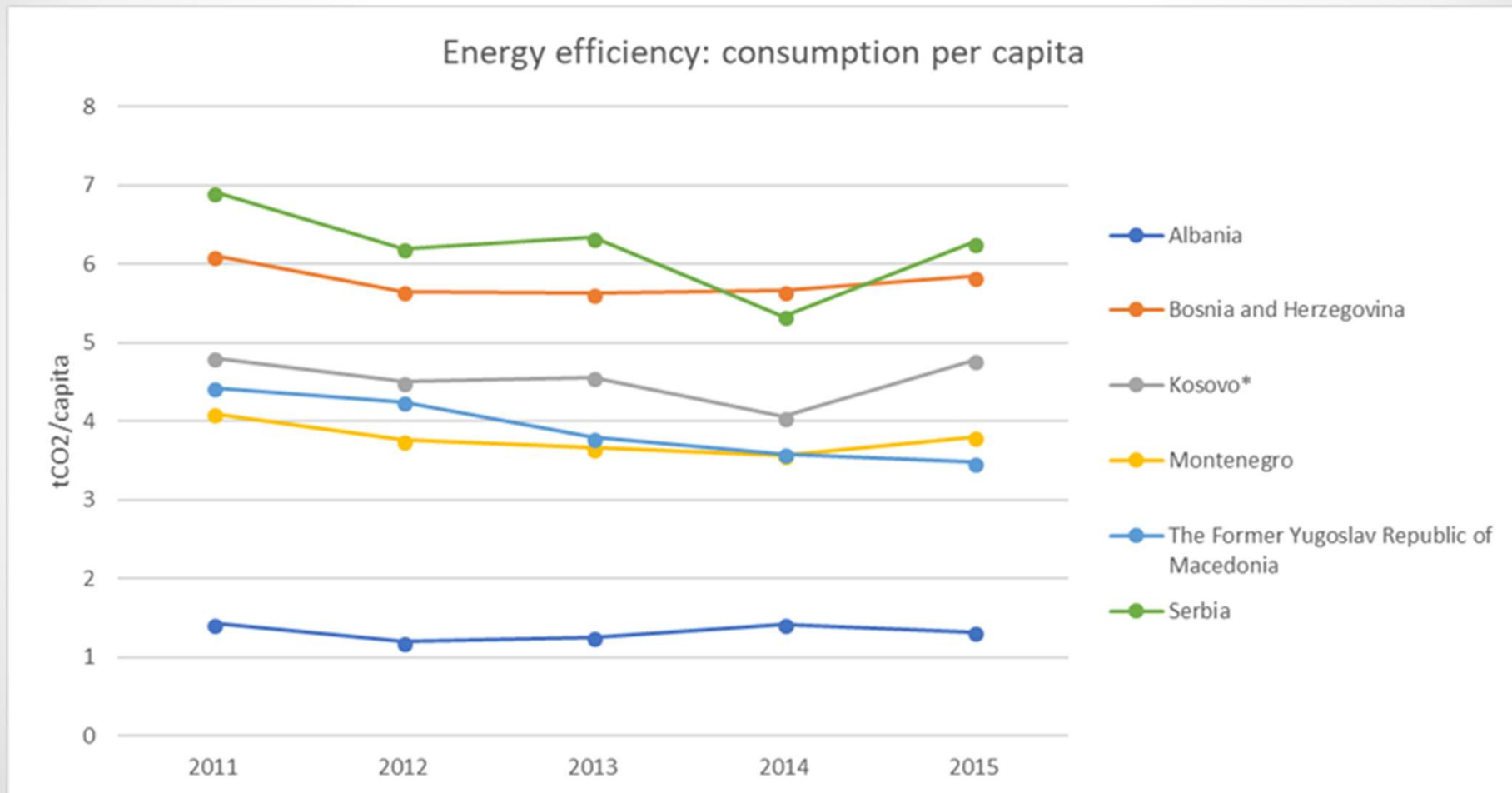
- **External** (transboundary) assessment & **internal** review
- **Qualitative** assessment
- Water, Energy, Food and Ecosystems Nexus integration **results** in legislation, plans & administrative structures
- **Action focus** (policy & financing attention) on:
  - Nature-based solutions: Actions to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