

Nexus Assessment of the Drina River Basin

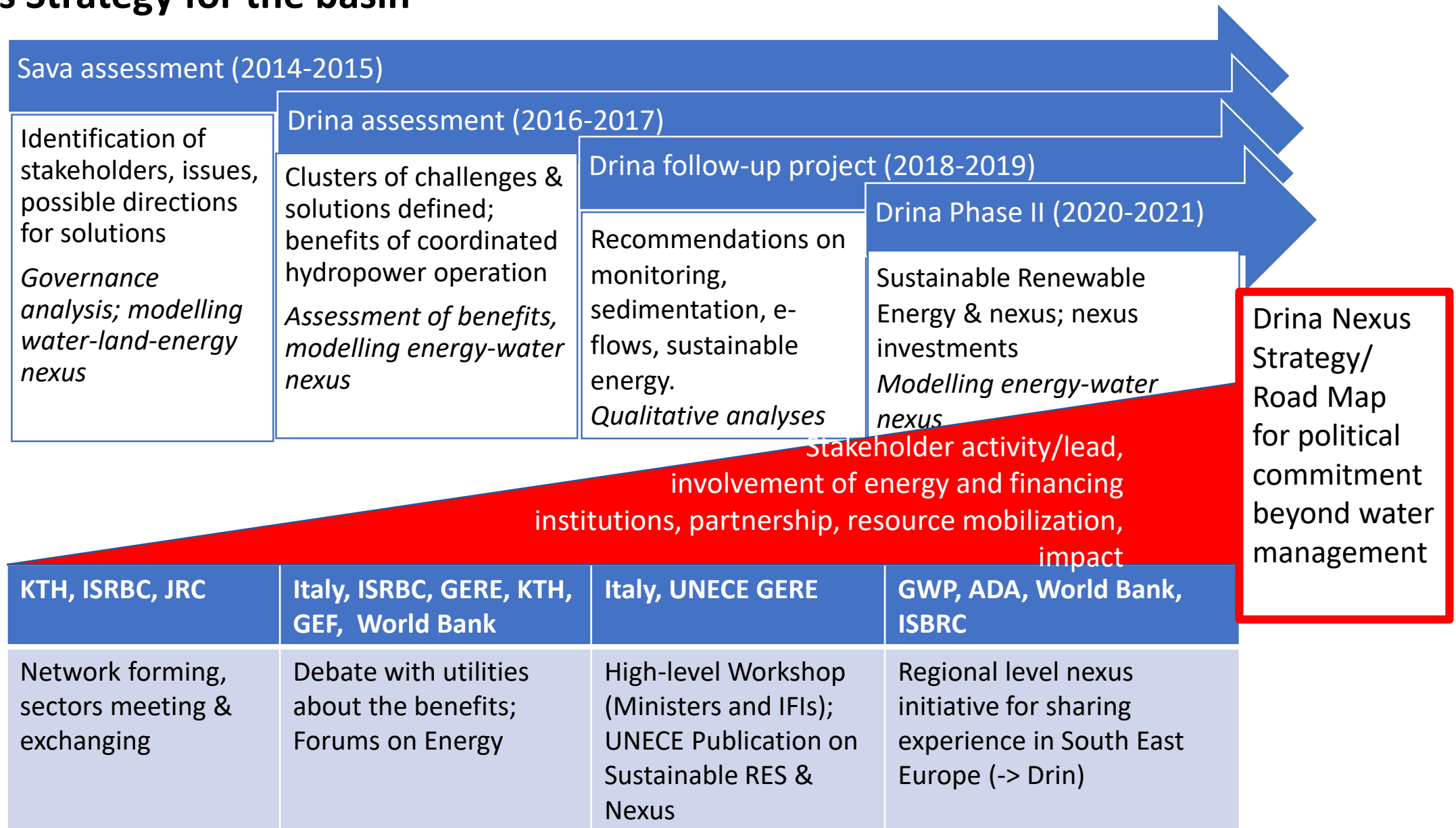
Concept Note of the Phase II Nexus Assessment Report

Annukka Lipponen, UNECE

Consultation on Bosnia and Herzegovina - online

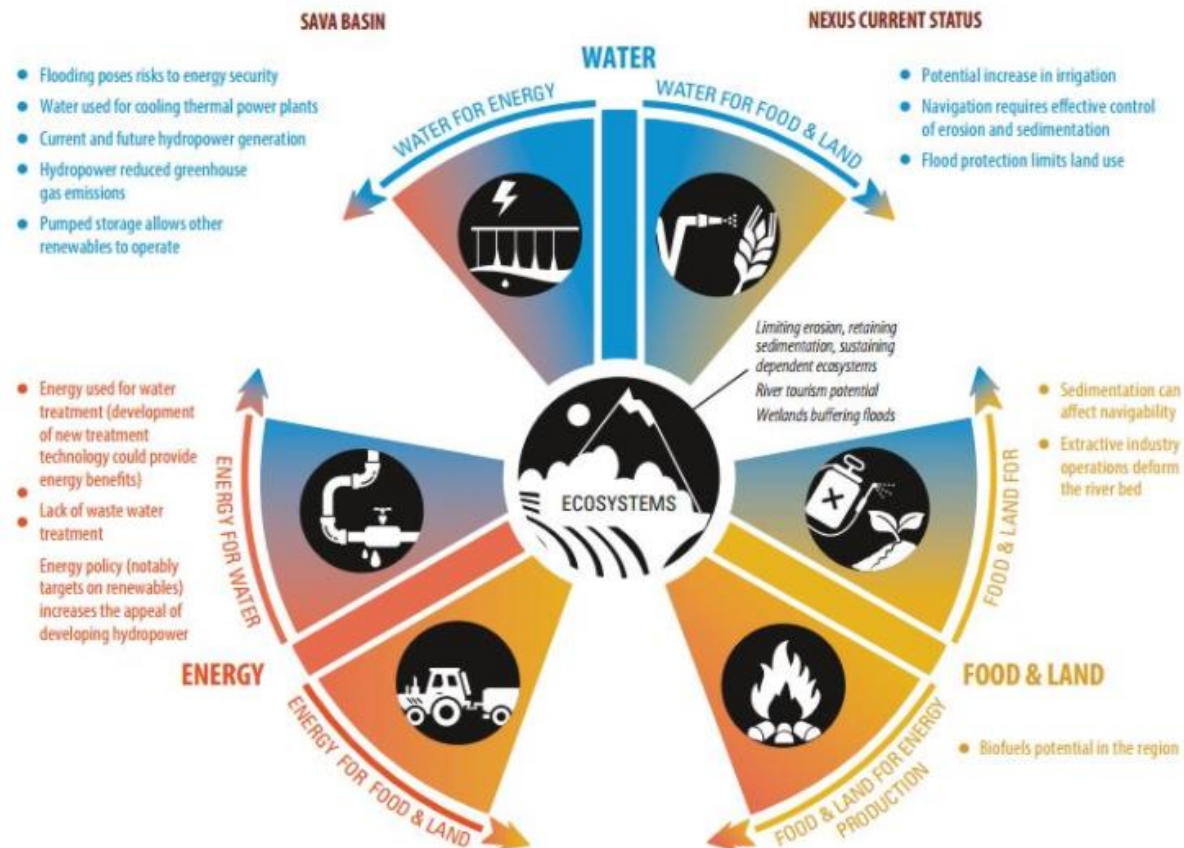
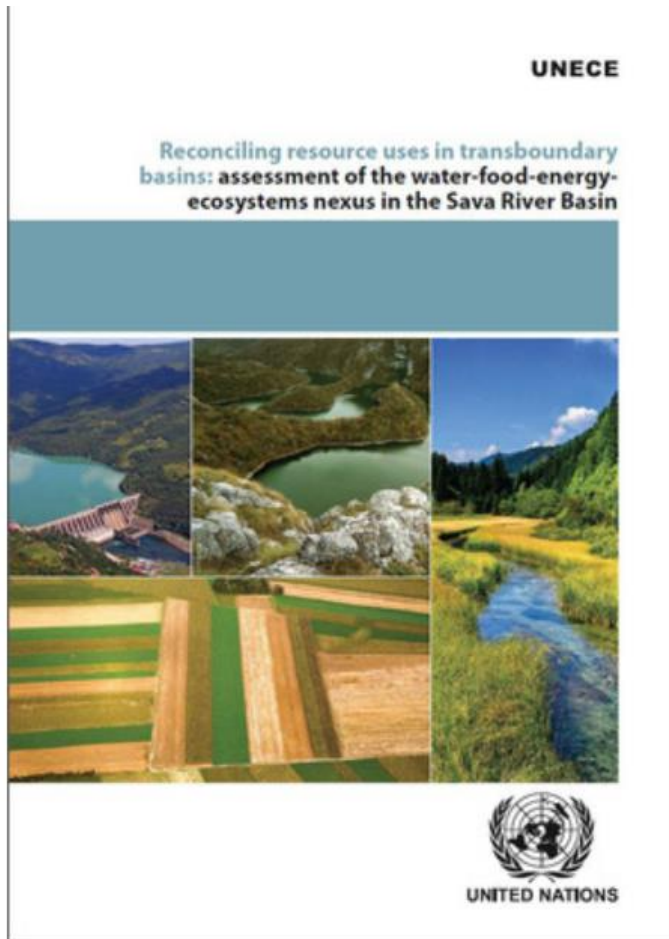
Tuesday 22 December 2020, 9:30–13:30

Nexus dialogue in the Drina: from identification of issues to formulation of a Nexus Strategy for the basin



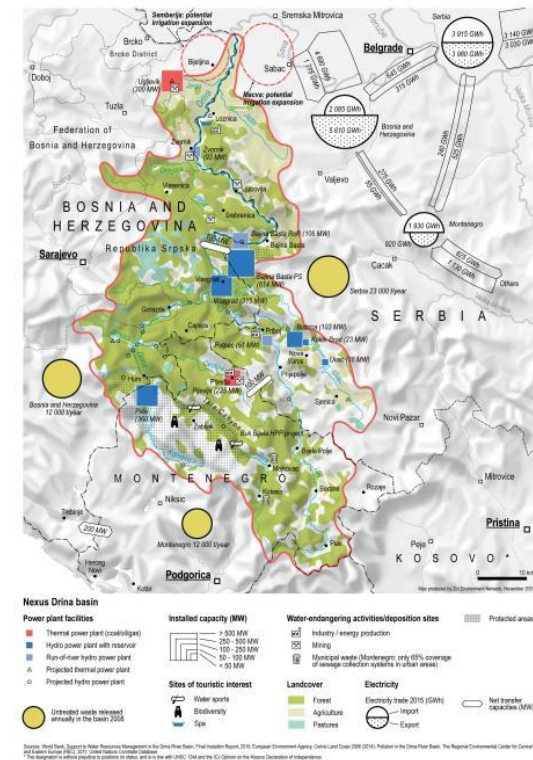
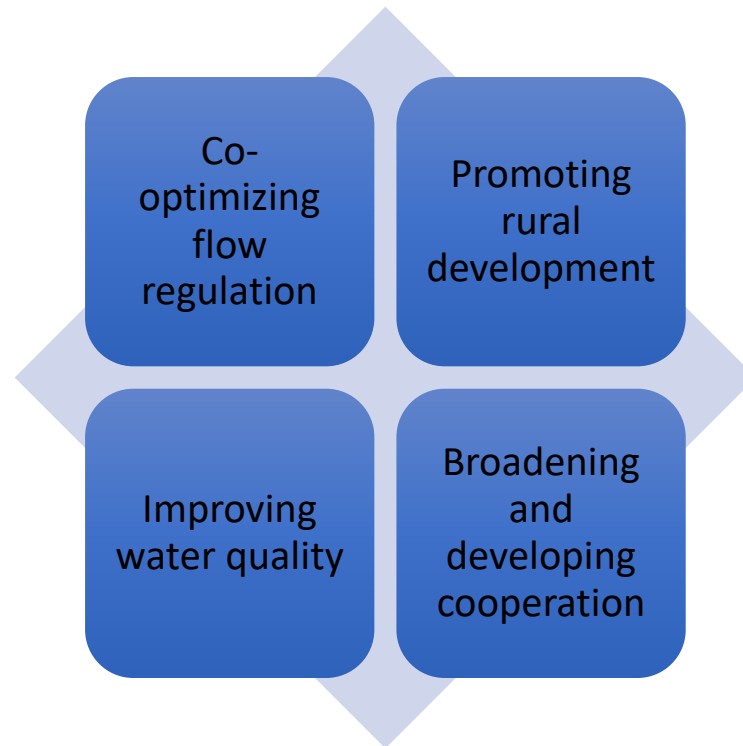
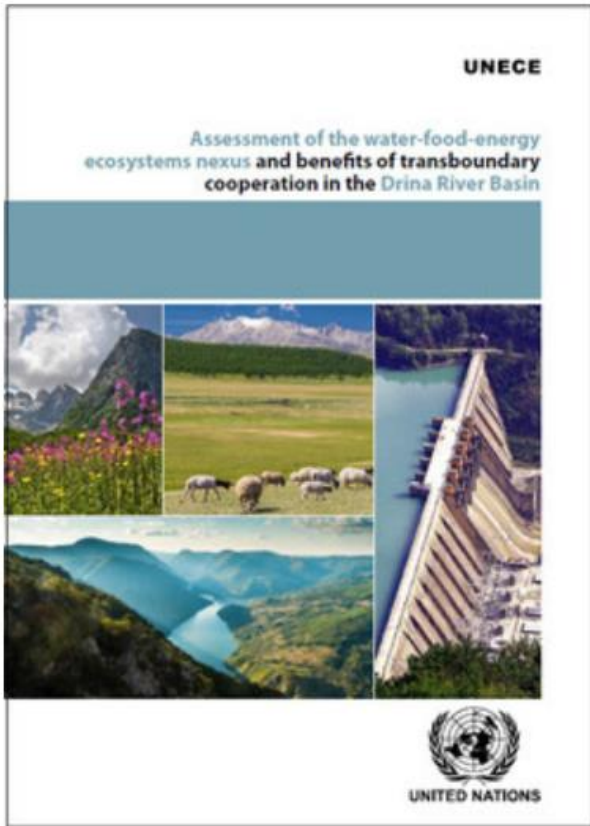
Nexus Assessment of the Sava River Basin (2014-2015)

- Identification of nexus interlinkages
- Modelling of energy-water-land nexus (KTH Royal Institute of Technology and Joint Research Centre of the European Commission)
- Network of nexus stakeholders in the Sava basin



Nexus Assessment of the Drina River Basin (2016-2017)

- Zoom in to specific nexus interlinkages (focus on Drina)
- Modelling of energy-water nexus in the Drina basin (KTH Royal Institute of Technology)
- Assessment of benefits of cooperation (cross-border, cross-sectors)
- Engagement of power companies in the dialogue



Drina Nexus Follow-up Project (2018-2019)

Activities:

1. Review of *monitoring and information exchange* in transboundary cooperation, identification of needs. Analysis of monitoring procedures and mapping of guidance;
2. Identification of areas with a deficit and a surplus of *sediment*, producing an erosion map, as well as proposing zones for surveillance and priority actions;
3. Desk study of *flow regulation and environmental flows*, review of the situation in the Drina, identifying examples of formal cooperation arrangements and good practices, and determining future formalization options for improving the flow regime;
 - > establishment of an **Expert Group on flow regulation and environmental flows**, which first meeting was held 11-12 June 2019 in Zagreb, hosted by the International Sava River Basin Commission (ISRBC).
4. National multi-stakeholder dialogues to trouble-shoot on *renewable energy* investment and its environmental sustainability issues.
 - > **Renewable Energy Hard Talks** (multi-stakeholder dialogues aimed at uncovering barriers and opportunities to renewable energy) focusing on nexus trade-offs and opportunities, one in Bosnia and Herzegovina (2018) and one in Serbia (2019).

High-Level Workshop “Action across sectors and borders for sustainable future of the Drina River Basin” – Belgrade, Oct 29, 2019

UNECE workshop presents recommendations for sustainable future of Drina River Basin

Region/EU | October 31, 2019 | Comments: 0 | Author: [Balkan Green Energy News](#) |



Ivan Karić: We share not only the beauty of the Drina, but also responsibility

“The Drina is one of our most beautiful rivers, and citizens of Montenegro, Bosnia and Herzegovina and Serbia are privileged to live by it. However, we also share the responsibility for managing the Drina, and we need to jointly ensure its sustainable future.” – State Secretary at the Ministry of Environmental Protection of the Republic of Serbia Ivan Karić.



Discussion evolved around two questions:

- How to better **balance development**, considering energy generation, land management and water use, **and sustainability**, including the environment, **in the basin?**
- What is necessary to achieve **investments that provide benefits** for multiple sectors and that, as such, can be considered “nexus investment”?

-> High level **Statement from the workshop**: an important first step towards the political commitment to cooperate at transboundary level on the sustainable development of the Drina River Basin

Why it is important to continue the water-energy dialogue

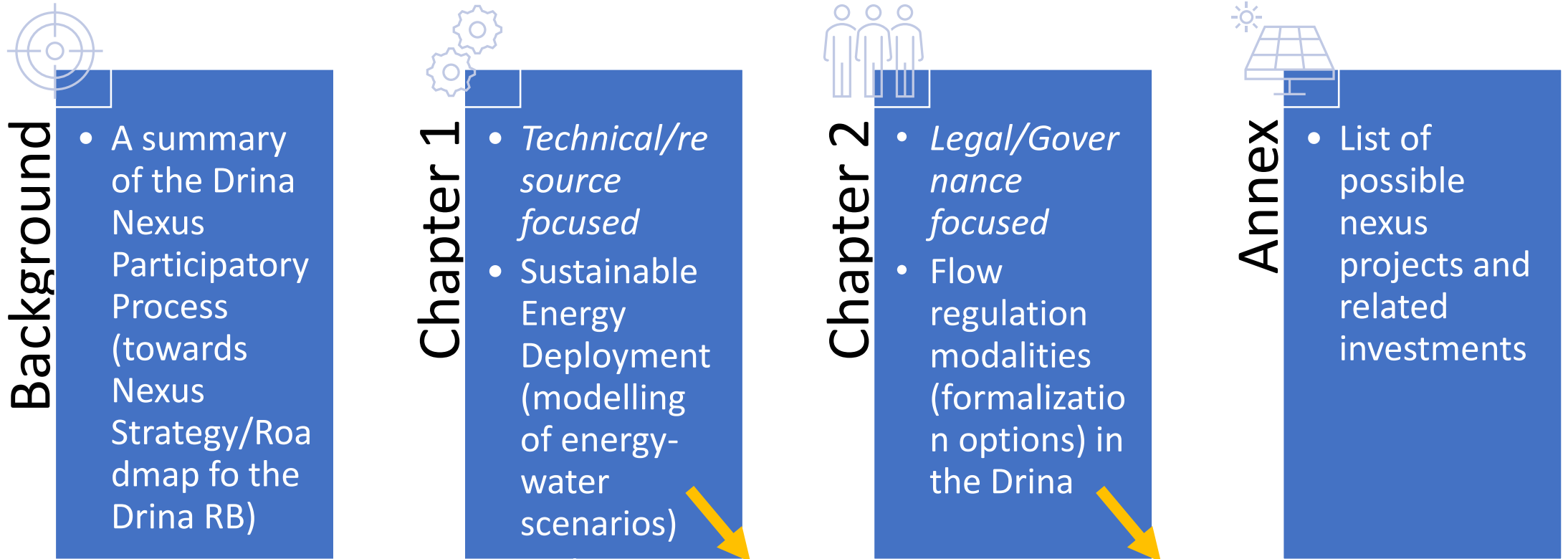
1) **Better flow regulation, for different needs.** Energy choices will have a major impact on the Drina water resources (uses of water in the future, multiple actors involved in flow regulation, sedimentation, impact on biodiversity and communities, etc.).

->The ADA supported modelling exercise has a strong focus on energy because we need an energy system perspective to motivate the energy sector's involvement. Energy system considering water -> water-informed choice of energy solutions -> *better flow regulation*.

2) **Multiple benefits from single projects.** The assessment includes the development of a project proposal for a nexus priority intervention. We foresee this as being energy-water-climate solution for the basin.

-> *Could attract investments* from non-water sources in water solutions that need funding e.g. in water solutions that need funding e.g. wastewater treatment, water efficiency, water conservation, etc.

Drina II Nexus Assessment Technical Report - Structure



Next Presentation KTH: content presented at RE Hard Talks in Bosnia and Herzegovina and Serbia (2018 and 2019)

Next Presentation by A.Lipponen: content presented to Permanent Expert Group on River Basin Management of ISRBC

Towards a Drina Nexus Roadmap/Strategy

- A high-level political document with a substantive background/rationale
- Integrates the recommendations issued from the Drina II Nexus Assessment, Drina Nexus Follow-up project, and the Drina I Nexus Assessment
- Builds on other components of the ADA Project:
 - Project Documents for Priority Interventions (1 or 2 Projects)
 - Capacity Development
 - Gender-related activities
- Purpose of this Roadmap/Strategy is to formulate a political commitment by the riparian countries to:
 - Ensure establishment of the necessary cross-sectoral coordination and institutional arrangements to support integrated policy and management for flow regulation
 - Facilitate the mobilising of actions and investments across sectors, notably for nexus priority projects