



Mediterranean
Action Plan
Barcelona
Convention



Nexus solutions in South-East Europe

Project Documents prepared under the SEE Nexus Project

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Austrian
Development
Agency





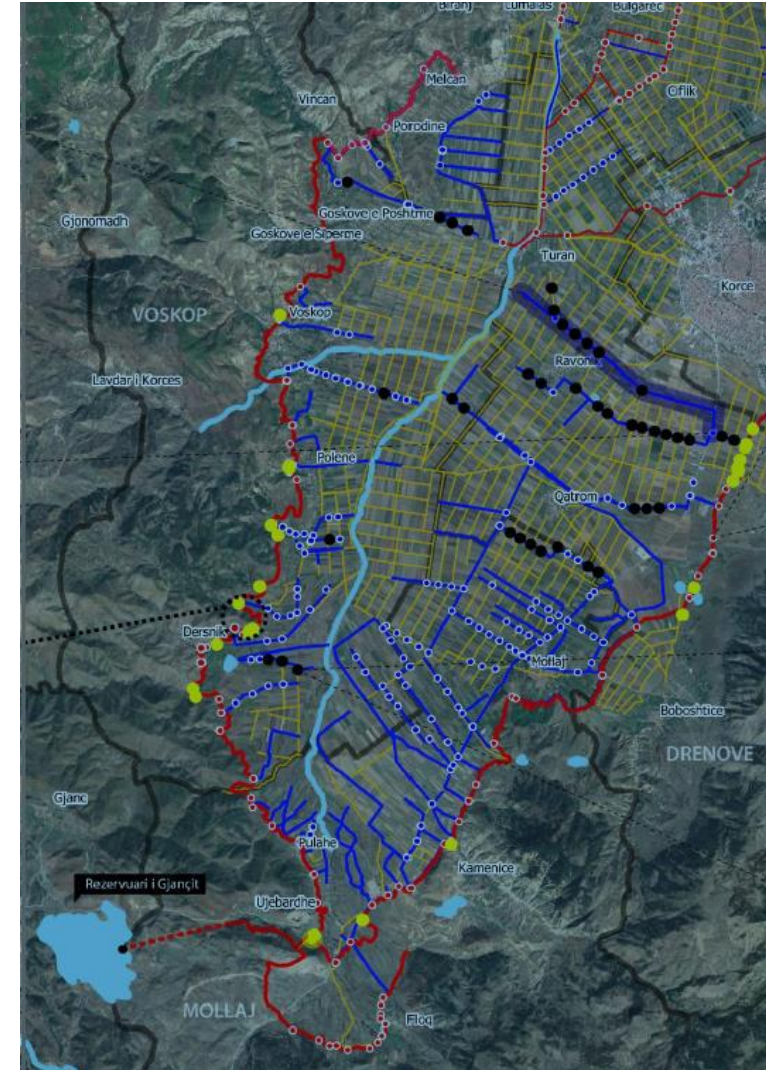
The SEE Nexus Project (2017-2022)

- Funded by ADA, implemented by GWP-Med & UNECE
- Regional Component for all countries in the Region
- Focused activities in:
 - 2 transboundary basins: Drin & Drina
 - 1 country: Albania
- ✓ *Participatory consultations*
- ✓ *Nexus Assessments*
- ✓ *Capacity Building Workshops*
- ✓ *Gender activities*
- ✓ *Policy Roadmaps*
- ✓ *Project Documents for 6 interventions*



#1: Synergies between HPP & farmers at the Gjanci reservoir in Albania

- Dual use of same water from the reservoir:
 - Electricity generation in HPP
 - Irrigation of agricultural plots
- Complex ownership/administration, insufficient Water Use agreement, dated infrastructure...
- ✓ *Recommendations for institutional coordination and revision of Agreement*
- ✓ *Improved irrigation management (role for WUO, sensors, efficient methods, mobile applications)*
- ✓ *Infrastructure interventions (rehabilitation of canals and other assets)*
- ✓ *Small photovoltaics to power pumping stations*





#2: Introducing Precision Agriculture practices in Albania

- Very small & fragmented plots, low mechanization, poor infrastructure
lack of market opportunities
 - Crop growth monitoring
 - Harvest date decision
 - Variable rate application of inputs
 - Larger scale analysis for crops and drought
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- ✓ Technical solutions for 3-4 pilot sites, depending on crops & inputs
 - ✓ Financing options





#3: Nature-Based Solutions for Wastewater Treatment in 2 settlements in the Drin River Basin

- Vast majority of rural settlements not connected to sewerage or WWT
- 2 settlements identified in consultation with stakeholders and authorities:
 - Shtiçen near Kukes, Albania (5300 inhabitants, no sewerage)
 - Raushiq near Peja, Kosovo* (1600 inhabitants, existing sewerage)
- Multi Criteria Analysis to identify appropriate technology
 - French Reed bed + Vertical flow wetland (4000 m² and 2000 m² respectively)
- Pre-feasibility studies including Financing options





#4: Modern biomass and sustainable forest management in the Drin River Basin

- Great potential but limited experience, supply chains, quality control
 - Wood chips supply chain for public buildings heating in Debar (North Macedonia)
 - Wood pellet supply chain and quality certification for plants in Niksic (Montenegro)
- ✓ *Pre-feasibility studies*
- ✓ *recommendations for sustainable forest management practices*
- ✓ *proposals for functional value chains*
- ✓ *awareness raising campaigns*
- ✓ *financing options*



#5: Improving Sediment Management in the Drina River Basin

- Significant sediment issues in the basin, affecting all sectors and infrastructure, mainly due to anthropogenic effects
 - Deforestation, agricultural practices, intensive grazing, urbanisation, structures affecting natural flow...
 - No systematic transboundary measuring/monitoring

✓ *Improved sediment monitoring*

- Harmonised methodology for erosion mapping
- Additional quantity/quality monitoring stations
- Updated data on deposits in reservoirs
- Improved data sharing

✓ *Increased capacities for sediment mgmt*

- Handbook of measures (4 pilots implemented)
- Basin-wide Sediment Management Plan
- Capacity building & awareness raising





#6: Outline of Climate Adaptation Strategy for Drina Basin

- Adaptation identified by SHs as a key challenge / priority
- Brief Outline for Sava basin (2018) as a blueprint
- ✓ *Current climate adaptation policies in the riparians*
- ✓ *Climate change scenarios for the region*
- ✓ *Expected impacts on sectors, settlements, disaster risk reduction, ecosystems*
- ✓ *Methodological approach and priorities for vulnerability and risk assessments*
- ✓ *Principles, typology and priorities for adaptation measures*
- ✓ *Sources, instruments and options for financing*



Thank you for your attention!

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