



EU-CENTRAL ASIA WATER REGIONAL SCIENCE DIPLOMACY

EU-Central Asia Strategy for a New
Partnership Platform for Environment
and Water Cooperation

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Obstacles

- *Lack of data or difficult access to available data;*
- *Methodological gaps in research;*
- *Weak communication between policy makers and researchers;*
- *Lack of established networks among the countries for data exchange and joint research.*



SEnECA Project

January 2018 – December 2019

EUR 1,499,857

- Strengthening and Energizing EU-Central Asia Relations (SEnECA) by establishing a sustainable transdisciplinary Research Network and Stakeholder Network to link European and Central Asian researchers, policy makers and stakeholders.

Water: data issues

- *Data validation and data exchange within but also beyond CA, including meta-data;*
- *Adopting international/regional standards and regulations on water quality;*
- *Conducting water availability estimations and forecasts in basins where reliable data don't exist;*
- *Developing robust decision support models for end-users;*
- *Development and amelioration of monitoring systems;*
- *Creation of new datasets.*

Water: agriculture, food & ecosystems

- *Soil salinity studies / salinity maps development;*
- *Ground water studies;*
- *Ecosystem services & biodiversity in aquatic ecosystems;*
- *Tolerant crops development;*
- *Innovative agro-industry to increase the added value of products.*

Water: development of technologies

- *Earth observation technologies including processing of satellite images and ICT applications, especially in trans-boundary water monitoring and management;*
- *Waste water purification and re-use technologies;*
- *Water and energy saving technologies;*
- *Early warning technologies for water related hazards.*



Water - energy - food nexus

- *Research collaboration, including socio-economic research;*
- *The flow of information from policy to research and vice-versa;*
- *Optimal planning of policies and technological solutions.*



Opportunities for Water R&I Actions

- Water JPI;
- Actions in the Work Programme 2018-2020 of Horizon 2020 under the call LC-CLA-14-2020 "Understanding water-energy-food nexus and streamlining water-related policies";
- Research and Innovations Actions/Innovation Actions in FP9.



Service Facility for International Cooperation

- *Water Research Platform;*
- *Policy Advice Mechanism.*



Thank you for your attention!

Find out more:

www.ec.europa.eu/research/horizon2020