



Project funded by the European Union



EUWI EECCA Working Group meeting
Paris, 12-13 May, 2016

OECD work on Nexus and related SDGs in EECCA

Alexander MARTUSEVICH,
EAP Task Force Water programme





Project funded by the European Union



Background



- Assumptions prior to the adoption of SDGs by the UN Summit in Sept. 2015: water security will be part of SDGs, in many countries it is strongly linked with food and energy security, where water is in the center
- Expert Workshop in July 2015 on tools to support making and implementing decision on Nexus in EECCA (July 2015, OECD HQ)
- The following categories of tools were discussed: (1) water, food and energy security indicators; (2) Nexus assessment methodologies; (3) tools to assess multiple resource productivity (resource use efficiency); (4) computer-based models to assess various scenarios and solutions for Nexus; (5) tools to support implementing decisions, including tools for local capacity development
- Partners expressed their interest to contribute to developing various categories of tools (e.g. UNECE, IIASA, IWA)
- Progress in implementing informal plan: several respective projects have been launched since under the EAP Task Force water programme



Developing national definitions and indicators of water, food and energy security in Kyrgyzstan

- **Main objective:** *to help Kyrgyzstan in developing (a) national definitions and (b) related sets of indicators of water, food and energy security linked to, or compatible with, the NSSD, national SDG and (or) GG indicators; communicate and disseminate project results in KR and beyond.*
- Eventual integration of the indicators in national statistics and next NSSD
- The project is implemented under the on-going NPD in co-operation with the National Statistics Committee and other local stakeholders, with financial support from the EU and Finland (FinWaterWEI-II programme)
- Project team: 4 local experts + methodological support from the OECD (ENV, TAD) and IEA
- **Deadlines:** Interim – end of May; final – Dec, 2016 – beginning of 2017



Revising design and construction standards for small-scale WSS systems in Moldova

- Key issue: existing design and construction standards for small-scale WSS systems (legacy from the former Soviet Union: SNIPs fm 1984-86)) often require building highly over-sized rural WSS systems thus undermining cost-effectiveness of investment and exacerbating affordability problem
- Moreover, this negatively impacts access to piped WSS services which is an important element of both the **SDG6** and **water security**
- Revision of the standards in Moldova is ongoing ; results are expected by June
- Project results could be disseminated in other interested EECCA countries
- Project sponsors: EU, SDC, UNECE and OECD EAP TF



Developing a computer-based model for economic assessment of MPWI: a case-study in Kazakhstan

- **Key objective:** to identify options for increasing the contribution of multi-purpose water infrastructure (MPWI) to the economic development, as well as water, food and energy security of the country. **MPWI**, by definition, is a water infrastructure for multiple-uses, providing multiple water services
- Pilot MPWI – Shardara water reservoir (South Kazakhstan) and related HES, irrigation and WSS systems
- A computer-based model in the public domain will be developed for economic assessment of an MPWI and of various scenarios for its use and development
- **Sponsors:** EU, Government of Kazakhstan, Norway, Switzerland, OECD EAP TF
- The work builds on previous modelling work in Syr-Darya basin (BEAM model) by the GWP and USAID and then by the World Bank



Project funded by the European Union



Future plans

- Assistance to achieving greater levels of water security in Kyrgyzstan through: reform of rural WSS; and better coherence between the agri-food and water policies, including local capacity development components
- Work on Nexus in other EECCA countries – subject to (a) interest from beneficiary countries; and (b) availability of funding (support from donors)

THANK YOU!

Alexander Martusevich

+33-1-4524-1384

alexandre.martoussevitch@oecd.org

www.oecd.org/env/outreach/npd-water-eecca.htm