



Project ideas

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Hydrological modelling of Water Balance at Danube level

The Standing Working Group

- Takes note of the results of the Working Meeting of National Experts on Water Balance (30th March 2021);
- Agrees that a **single, Danube basin-wide water balance model** should be set up with **affordable costs**, on the **basis of already existing data** and as little additional data collection by Danube countries as possible;
- Agrees that the water balance model should also be **applicable at sub-basin level** and **compatible with other ICPDR initiatives** (MONERIS, Danube HIS, SOLUTIONS);
- Supports the involvement of national experts and stakeholders as well as the establishment of a **core drafting group** to work on the preparation of an **international water balance project** and therefore asks ICPDR contracting parties to confirm nominations of national water balance experts and welcomes any additional nominations by 15th July 2021;
- Asks the **Lead Countries (HU and RS)** to continue with the support of a core drafting group of **national water balance experts** (out of the pool of nominated national water balance experts) **preparing the necessary steps towards the Terms of Reference and assist in establishing the consortium of the future water balance project for the Danube River Basin for submitting it to EU MFF calls** at the end of 2021 or the beginning of 2022.

➤ „Framework to facilitate the long-term sustainable management of transboundary water resources in the Tisza River Basin”

➤ Ideas for technical activities:

- **Lesson learned** from previous projects: systematic review of the existing databases, models, tools, platforms; socio-economical trends, strategies, subsidies
- Assessment of **implementation of the Joint Programme of Measures**
- Implementation of **Joint Tisza Survey** to update the status of the rivers of the Tisza River Basin
- Survey and assessment of the *climate change strategies* that exist in the Tisza River Basin countries
- Survey, monitor and assessment of **solid plastic pollution** within the Tisza River Basin
- Current baseline situation assessment using the ICPDR method developed for the Danube Basin and the “Guidance document on the application of **water balance** for supporting the implementation of the WFD”
- Pilot study on determination of **water scarcity regions** and water sharing counter-interest indicators
- Pilot study on application of **economic instruments** in addressing counter-interests in allocation of scarce water resources
- Water resource availability – groundwater - **shared groundwater resources modelling**

Other ideas

➤ Drought monitoring

Drought monitoring in-situ system development involving satellite remote sensing and geophysical measurements: better calibration of soil moisture monitoring results

➤ Karstic areas

Management of karstic water resources (monitoring and hydro-dynamic models) in the Danube river basin through a showcase of pilot-areas and best practices