A background image showing numerous water droplets of various sizes, some in sharp focus and others blurred, against a light blue and white background. The droplets are scattered across the frame, with some appearing to be on a surface and others in the air.

# **Assessing the energy saving and greenhouse gas mitigation potential on the drinking water network of ViKNS**

## **The project concept**

**András Kis, REKK**

**30 June, 2021**

# Key figures

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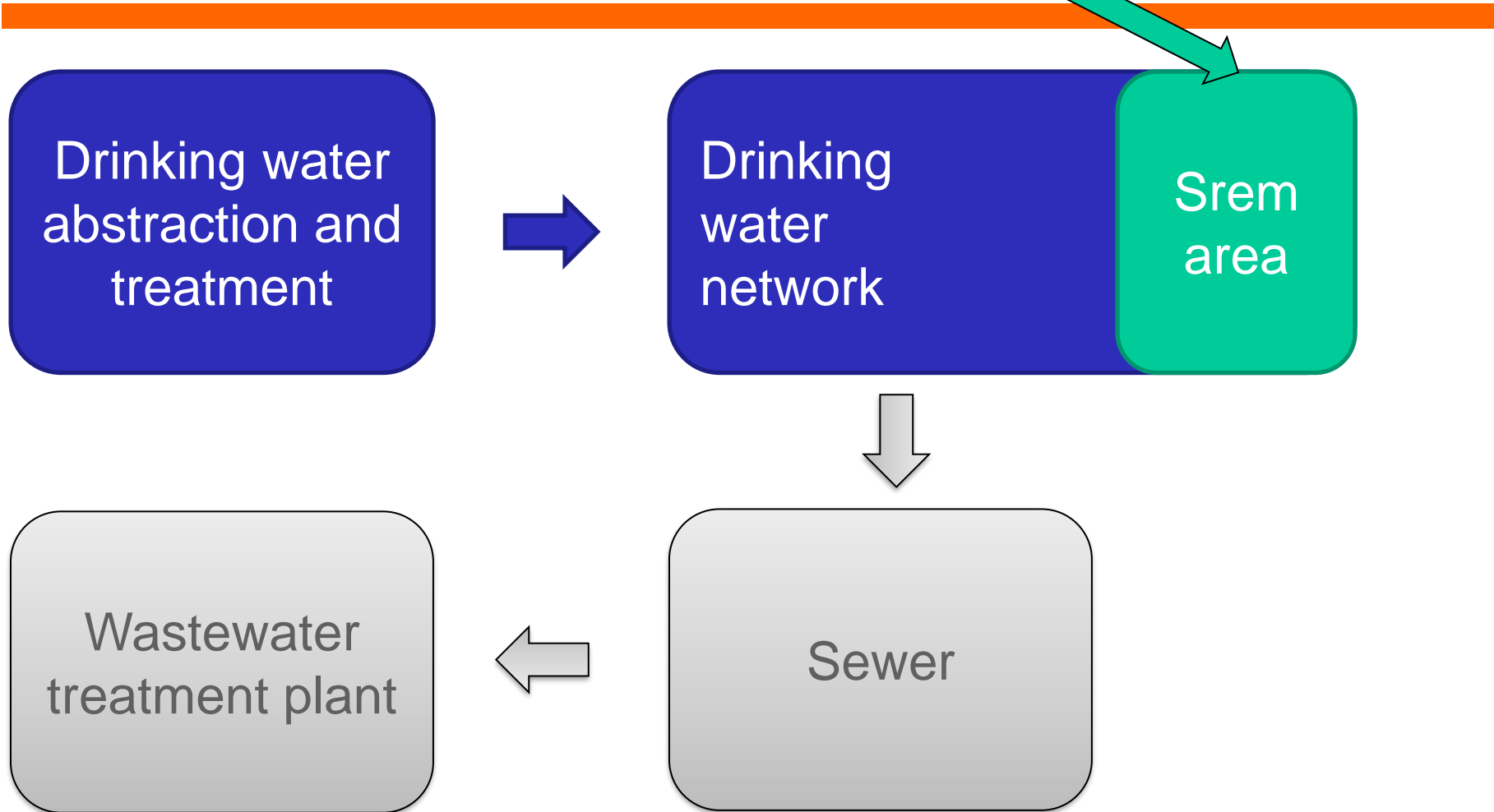
85% co-financing from the Western Balkans Green Center

## Project partners

- Novi Sad water utility company (Vodovod i Kanalizacija Novi Sad, ViKNS) as beneficiary
- Regional Centre for Energy Policy Research (REKK) – energy, climate and water economics and policy
- DHI Hungary – water engineering, hydraulic modelling

Timeline: July 2020 – June 2021

Focus



# Project concept

## Engineering analysis of the energy saving potential

- Developing a hydraulic model for the drinking water network
- Exploring scenarios:
  - Pumping efficiency
  - Pressure management
  - Leakage reduction

Energy market forecasts

Carbon intensity forecasts

Cost of energy saving measures

Cost Benefit Analysis to see the feasibility of measures

Knowledge transfer, training of ViKNS employees

Dissemination of results:

- Webinar
- Report in English
- Executive summary in Western Balkan languages