

### Project BIGDATA 4RIVERS

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# Project partner 7 — Lithuania Kaunas University of Technology

- Presentation of the partner
- Addressed policy instrument
- Expected improvements





#### In Northern Europe

- •The southernmost of the three **Baltic States**
- Shares borders with Latvia to the north, Belarus to the southeast,
  Poland and Kaliningrad to the southwest
- Population is app. 3 million
- Capital Vilnius
- In 2018 Lithuania has celebrated the 100 years anniversary



#### **Kaunas University of Technology**



- •The largest technical university in the Baltic States (started in 1922)
- •KTU is situated in Kaunas, the second largest city of Lithuania, which is a significant center of industry, transport, science and culture
- Science valley "Santaka"
- •there are app.10 000 students
- 9 faculties, 8 institutes







https://www.youtube.com/watch?v=ZlnXKV0nvFA

## PP7 Policy InstrumentOPERATIONAL PROGRAMME 2014-2020

- Priority axis 5. Environment, sustainable use of natural resources and adaptation to climate change
- Investment priority 5.3 Investing in the water sector to meet the requirements of the Union's environmental acquis and to address needs, identified by the Member States, for investment going beyond those requirements
- ➤ Specific objective 5.3.1 Improve the status of the Baltic Sea and other surface waters

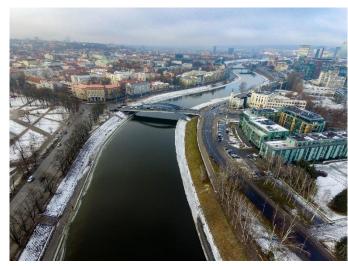
#### PP7 – Lithuania



#### Statistics about rivers in Lithuania:

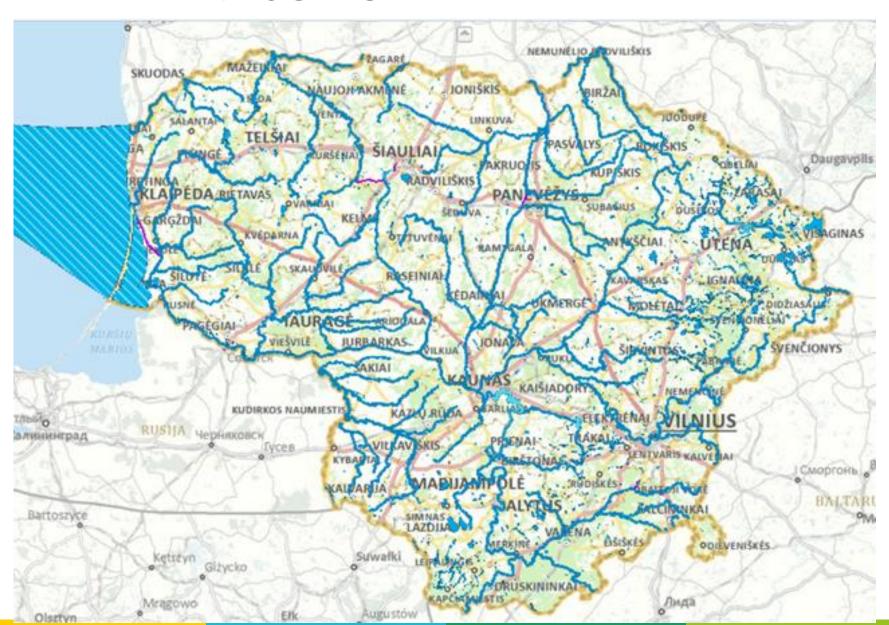
- ➤ Lithuania has about 29 900 rivers and streams longer than 0.25 km
- Their total length is 63.7 thousand km
- ➤ The number of rivers and streams longer than 3 km was calculated very accurately 4418
- There are 816 (3 percent) rivers longer than 10 km and 17 rivers longer than 100 km





#### PP7 - Lithuania





#### What needs to be improved?



- ➤ The quality of water in Lithuania's rivers has improved significantly over the past decade thanks to large investments in wastewater management system;
- however, the Curonian Lagoon, the Baltic Sea shore, about two-thirds of Lithuania's rivers and about one-third of lakes do not meet yet the requirements for a good status of water (the share of water bodies of good water status accounted for 54%);
- ➤ The main factors of human economic activities having an impact on the status of surface water bodies are the diffuse pollution and point source pollution;
- In Lithuania, there are 1267 settlements with a population of between 200 and 2000. Inhabitants of these settlements account for 20% of the Lithuanian population. Their drinking water supply and wastewater treatment systems do not meet requirements of EU Water Framework Directive 2000/60/EC and EU Urban Waste Water Treatment Directive 91/271/EEC;
- > and etc.

## PP7 – Lithuania – Expected improvements



The Lithuanian ROP still can be significantly improved in 2 different ways:

- > 1st by allowing the implementation of projects combining different investment priorities
- ➢ 2<sup>nd</sup> by introducing the innovations for new measures or revising the scope of supported activities of currently planned measures & including the ICT as key-tool to achieve efficiency in the water systems & protection

How do we envisage the improvement of this policy instrument?

The focal points for the improvement of the policy instrument are through:

- > Structural change
- Improved governance
- New projects supported



### Thank you! jolanta.dvarioniene@ktu.lt