



Michael Tritthart

Sharing innovative practices from the EU water sector to the Western Balkans

BOKU – University of Natural Resources and Life Sciences, Vienna Institute of Hydraulic Engineering and River Research





International Symposium "Water Resources Management: New Perspectives and Innovative Practices, Novi Sad, 23-24 September 2021

Outline



- 1. SWARM objectives
- 2. Sharing innovative practices
- 3. Identification of needs
- 4. Online SWOT analysis
- 5. Results and discussion
- 6. Conclusions

SWARM Objectives



Wider objective

Education of experts for water resources management in the Western Balkans (WB) in line with the national and EU policies.

Specific objectives

- Improve the level of competencies and skills in HEIs by developing new and innovative master programmes in the field of water resources management in line with the Bologna requirements and national accreditation standards
- Design and implement seven new and up-to-date laboratories in WB partner HEIs in cooperation with EU project partners
- Develop and implement LLL courses for the water sector in line with the WFD























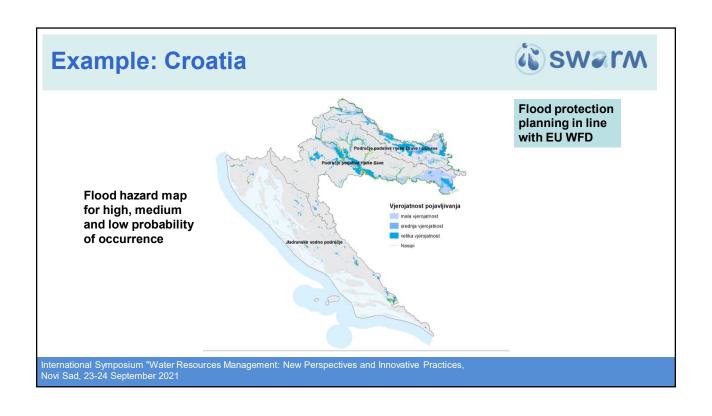


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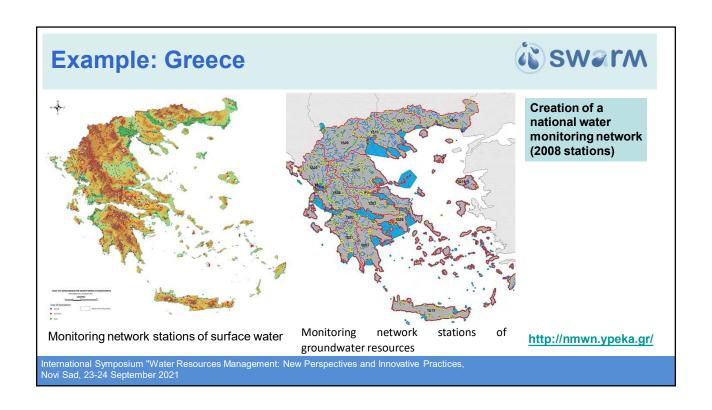
Sharing innovative practices

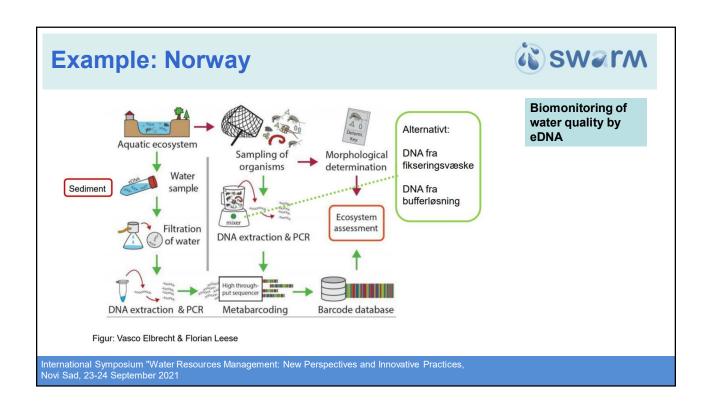


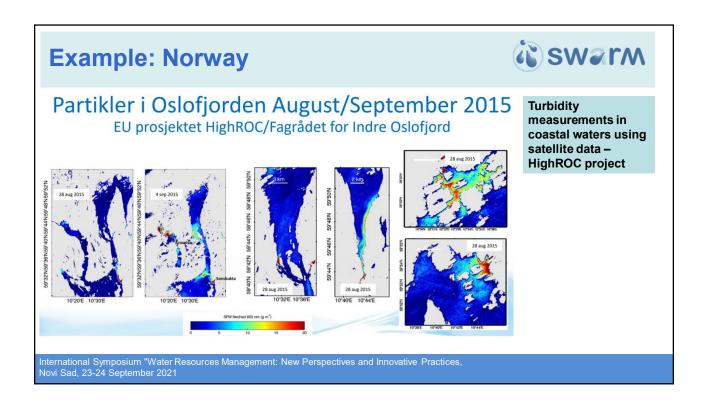
- Three-day workshop in Vienna
- Presentations by colleagues from Bulgaria, Croatia, Greece, Norway, Portugal and Austria
- Innovative practices aligned with EU WFD in all fields of WRM
- Some examples...











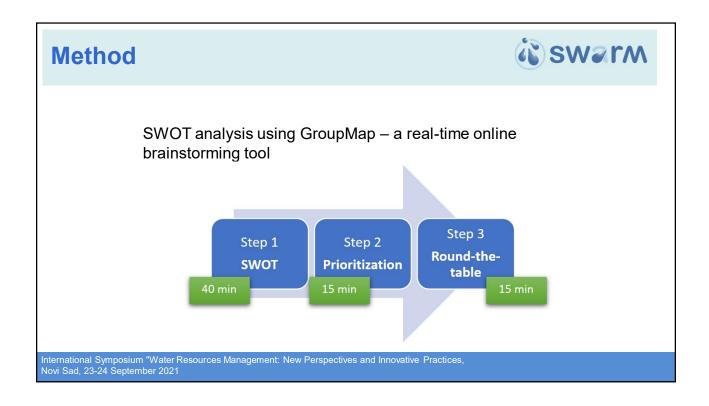
Identification of needs

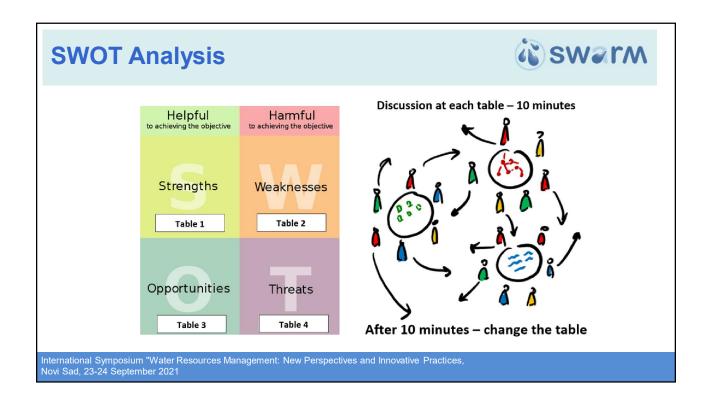


→ Identify strengths and weaknesses to answer the central question:

What should be the actions for innovation in WRM for the Western Balkans?

→ based on knowledge of challenges and innovative practices





Results: Strengths





- → Great trust in the human potential and the education system in the WB partner countries
- → Resilience inherent to several generations of people after enduring the Balkan Wars is identified as an important asset

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Results: Weaknesses





- → Lack of water-related governance identified as major concern
- → Development of curricula and LLL courses reduce associated weaknesses over time, with well-educated stakeholders entering the labor market and developing policies
- → Corruption can hardly be addressed on an academic level

Results: Opportunities Lessons learned - WB countries will not repeat the mistakes done in EU countries Information systems & digitalization - abundance of data Strengthen collaboration between countries in region Ready to apply for EU funds, with preparation of data and projects in time Possibilities to obtain European support and funding for implentation Use international knowledge networks IT sector, artificial intelligence Top nomination: advantage of applying existing knowledge Technological aspect of novel information systems, data science and digital tools received nearly a similarly high ranking; possible bias due to technical background of many participants Cooperation of countries with common history: key opportunity

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Conclusions



- Curricula developed and implemented on the basis of identified gaps in knowledge and EU innovative practices
- Once also the LLL courses planned for practitioners will be in place, a functional framework of improving the knowledge in WB countries within the field of WRM is expected
- This will contribute to mitigating several weaknesses and threats currently identified as major obstacles and activate the strengths of the WB population
- Some factors identified as threats or weaknesses can be improved through soft-skills development – issues on the **level of politics** are outside the scope of a technically-oriented framework.

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Thank you for your attention!

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BOKU – University of Natural Resources and Life Sciences, Vienna

Muthgasse 107, 1190 Vienna

michael.tritthart@boku.ac.at