



International conference

“Nature-based solutions for improvement of water quality and river basin management”

Riga, 27 October, 2022

EU LIFE Programme integrated project

“Implementation of River Basin Management Plans of Latvia towards good surface water status”



## Nature-based Solutions

*“actions to protect, sustainably manage and restore natural and modified ecosystems that address societal challenges effectively and adaptively, simultaneously providing human well-being and biodiversity benefits” (IUCN, 2016)*

*“actions which are inspired by, supported by or copied from nature. They have tremendous potential to be energy and resource-efficient” (European Commission, 2015)*



# Implementation of NBS in water management

- NBS increasingly proposed as **viable solutions to address water related societal challenges** - improvement of water quality, enhancing water supply, reducing flood hazard, etc.
- NBS depending on intensity of interventions:
  - 1) minimal intervention in ecosystems to maintain or improve the delivery of ecosystem services (e.g., adjustment of land-use, establishment of buffer stripes)
  - 2) establishing sustainable and multifunctional ecosystems (e.g., river habitat or floodplain restoration)
  - 3) actions to manage ecosystems in very intensive ways or create new ecosystems (e.g., artificial wetland, fish path)

# Implementation of NBS in water management

- **Integration into existing policy instruments** - river basing management plans, protected areas management, agri-environmental schemes, landscape and spatial planning
- **Ecosystem service framework** provides a key assessment tool for evaluating scenarios and trade-offs of NBS, and comparison with conventional practices

## Aim of the conference

- to present the role of nature-based solutions (NBS) and ecosystem services approaches in river basin management
- to share experiences and lessons learned from the application of these measures in rural areas
- to discuss effectiveness of different NBS for improvement of the ecological quality of water bodies

## Yesterday – Mazupīte, agriculture



## Yesterday – Tore, forestry





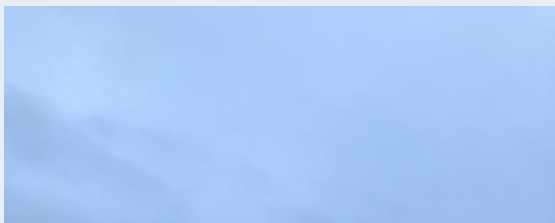
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## Age- HPP





## Yesterday – port Skulte, HMWB



## Today's Programme in brief

**9:30-11:10**

**Plenary:** introduction and key notes on NBS (holistic approach and frameworks)

**11:30-13:00**

**Plenary:** key note and LIFE Goodwater project approach

**13:00-14:00 Lunch**

**14:00-16:00**

**Session A:** NBS in agriculture land

**Session B:** NBS in water bodies

**Session C:** Freshwater ecosystem services

**16:30-17:30**

**Plenary:** summary from sessions; presentations and announcements

**18:00-20:00 Networking dinner**



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The integrated project "Implementation of River Basin Management Plans of Latvia towards good surface water status" (LIFE GOODWATER IP, LIFE18 IPE/LV/000014) has received funding from the LIFE Programme of the European Union and the State Regional Development Agency Republic of Latvia. [www.goodwater.lv](http://www.goodwater.lv)

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