

## Zemgale Planning Region

**RESIST  
Project**



**15.06.2023, Vilnius / NEXOGENESIS 3rd Stakeholder Workhop**



# Zemgale Region

- Population 230,000 ; Latvians 72% (Latvia 63%)
- The third largest higher education institution in Latvia is located in Zemgale – Latvia University of Life Sciences and technologies
- Fertile agricultural lands occupy 39% of the area of the region, the proportion of forests – 42.1%.
- There are 6 municipalities in Zemgale – Jelgava, the 4th largest Latvia city with the status of a state city, and 5 counties
- There is a dense network of roads in Zemgale, the construction of the RAIL BALTICA high-speed railway has started



# Zemgale Region



- The terrain, climatic conditions and soils are favorable **for agriculture**, the territory of the region is 16.6% of Latvia, and the share of arable land is 27% of Latvia.
- Areas of meadows and pastures are **decreasing**: a burden on the development of characteristic species.
- **Dense network** of (small) rivers: significant water pollution load.
- In Zemgale there are two **largest river basins** of Latvia - Daugava and Lielupe.
- Increased **risk of flooding**: a significant threat to society and economic sectors from climate change.



# Planning Documents

- New **Zemgale Region Development Program (ZRDP) 2021-2027** approved in Regional Council meeting in December, 2021
- ZRDP includes RESIST thematics in the two program priorities –  
P5 Climate change, environment and circular economy  
P9 Public safety
- Other documents related with Climate change
  - Energy Action Plan 2018-2025  
Energy Efficiency, Renewable Energy Sources
  - Mobility Plan 2021-2030  
Green Transport, Alternative Fuel
  - Under elaboration - Climate Change Adaptation Plan



# IMPETUS Project



DYNAMIC INFORMATION MANAGEMENT APPROACH  
FOR THE IMPLEMENTATION OF CLIMATE RESILIENT  
ADAPTATION PACKAGES IN EUROPEAN REGIONS

Horizon 2020 / Climate-resilient Innovation Packages for EU regions

The project provides following **pilot actions** for Zemgale boreal region:

- Improvement of the rapid flood warning system in the city of Jelgava and its expansion at the regional level
- Elaboration of Zemgale Climate Change Adaptation Plan

**IMPORTANT !**

RESIST and IMPETUS should co-operate and supplement each other.

# Floods in Zemgale / Agriculture





# Floods in Zemgale / Urban area

**Jelgava City**



**Bauska City**



**Jelgava City**



**Pļaviņas City**

# Floods in Zemgale / Roads



# Floods in Zemgale / Biodiversity



# RESIST PROJECT

- The EU's framework program for research and innovation Horizon Europe Building a low-carbon and climate-resilient future: research and innovation in support of the European Green Deal
- Zemgale Planning Region: EUR 400,000
- Time of project implementation: January 1, 2023 - December 31, 2027
- 56 partners from European countries, leading Sintef (Norway)

# RESIST and Zemgale

- ✓ International co-operation:
  - Participation in common activities
  - Information exchange and best practices/ good examples
  - LSD and co-operation with Region Midtjylland and Region Blekinge (for example - data collection, methodology, monitoring, action planning etc.)
- ✓ Regional and local actions:
  - **Equipping** the Jēkabpils **operational information and monitoring center** covering monitoring of Daugava River Basin in flood area in the Jekabpils and Aizkraukle municipal territories for the purposes of the pilot demonstration (computers, servers, monitoring software, operational equipment, etc.)
  - Purchase and installation of **flood monitoring station**
  - **Sensors** with software and data transmission to the monitoring center placed in sewer wells and warning of rising **groundwater levels**
  - Video surveillance system/**cameras**
  - Stakeholder meetings/seminars
  - Publicity, dissemination

# EU Climate Change Adaptation Mission



On December 20, 2022, the Development Council of the Region made a decision to support the joining of the Zemgale planning region to the Climate Change Adaptation Mission of the European Commission.

On this same date, the chairman of the Council signed the Charter of the Mission Task.

Zemgale region, is the second region of Latvia that will be represented in the mentioned international cooperation.





# Thank you!

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