



# IMPETUS

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

### ***Towards Climate Adaptation & Mitigation***

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Vilnius, Lithuania



**ZEMGALE  
PLANNING  
REGION**

[climate-impetus.eu](http://climate-impetus.eu)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101037084. Funded in the EU Horizon 2020 Green Deal call



*We are feeling the impacts of climate change here and now. IMPETUS focuses on increasing our resilience. Working with local citizens, policy-makers and businesses in our demonstration sites around Europe, our teams are analysing solutions, boosting knowledge, and creating packages of adaptation measures that other communities can use as a pathway towards a climate-neutral and sustainable future.*

**IMPETUS was launched in October 2021 with the objective: turn climate commitments into tangible, urgent actions to protect communities and the planet.**

<https://climate-impetus.eu/>

# IMPETUS

- EU research and innovation program Horizon2020 project
- 2021 October – 2025 September
- 32 partners from 9 countries
- Lead partner: Technology Research Center EURECAT, Spain
- Project partners in Latvia:
  - Association «Baltic Environmental Forum - Latvia»
  - Zemgale Planning Region
  - Jelgava Digital Center



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# Sites and Solutions

IMPETUS has demonstration sites in 7 of Europe's 11 [biogeographical regions](#), as defined by the European Environment Agency.

In these sites, our project teams are:

- **testing** various relevant technologies and nature-based solutions that will mitigate the local impacts of climate change;
- **engaging** with local communities, policy-makers and businesses in co-creation of knowledge, policies and innovative approaches relevant to their situation;
- **encouraging 'ownership'** of adaptation measures by local stakeholders so they sustain activities after IMPETUS project ends;
- **gathering knowledge** about scientific, technical, social and policy developments in local 'Resilience Knowledge Booster' (RKB) hubs;
- **knowledge sharing** at local and regional level through events, learning materials, promotional activities etc. centred around the RKBs.
- **IMPETUS results will be further disseminated and amplified by:**
- **coordinating** with [related projects](#);
- **interconnecting** the RKBs with other active communities and organisations to share lessons learned more widely across Europe.



## Continental

Situation: The metropolitan Berlin-Brandenburg region in the north-eastern German lowlands has a relatively high surface area of rivers and lakes,  
[Read more »](#)



## Protected: Coastal - draft

There is no excerpt because this is a protected post.  
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## Coastal

Situation: The 600km long Catalan coast in north-eastern Spain presents a wide array of geographical and biodiversity systems that provide  
[Read more »](#)



## Mediterranean

Situation: The region of Attica in Greece has around 3.7 million inhabitants in a 3,8 thousand km<sup>2</sup> area that includes  
[Read more »](#)



## Atlantic

Prognosis Current climate trends will exacerbate flooding risks – from rising sea levels and more frequent extreme weather – and  
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## Arctic

Situation: Beyond the Arctic circle, in the northernmost mainland region of Norway, the IMPETUS Arctic demonstration site in Troms and  
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## Boreal

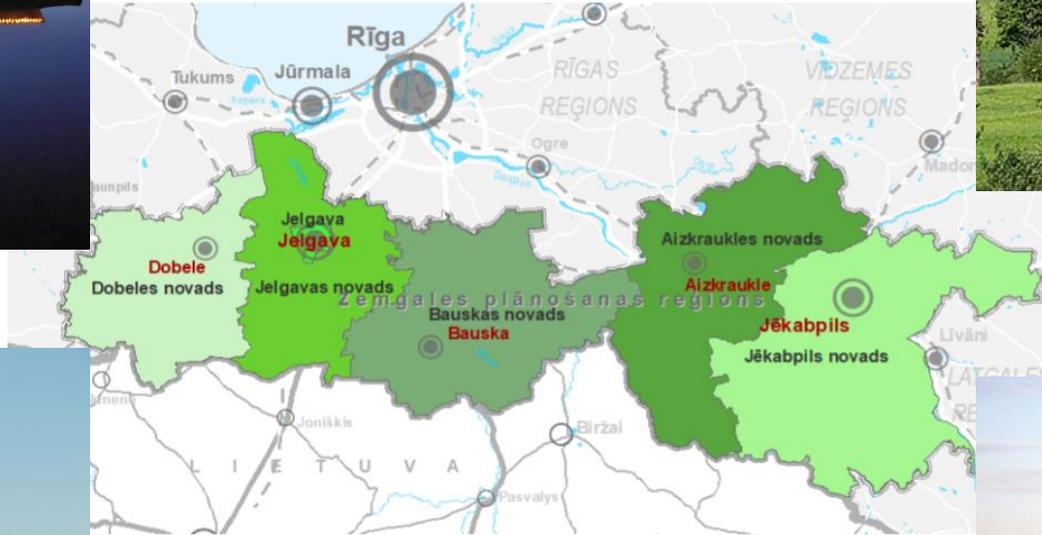
Situation: Zemgale region covers almost 17% of Latvia, located in the country's centre. Ground water provides drinking water resources for  
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## Mountains

Situation: The Valle dei Laghi area is in the Province of Trento in the Italian Alps. A mosaic of mountain  
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# ZEMGALE BOREAL



1. Flood Early Monitoring and awareness system
  - a) Regional GIS based flood monitoring system;
  - b) Enhancement of the existing awareness system in Jelgava;
  - c) Upscaling the awareness system on Zemgale region;
  - d) INTEGRATION of awareness system & flood monitoring system.
  
2. Development of Zemgale regional climate change adaptation plan





# **IMPETUS**

*Turning climate commitments into action*

# *Thank you*

## *Any questions?*

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