Climate IMPETUS: Long-term availability of data and engagement of stakeholders through the development of Resilience Knowledge Booster for a mountain case study

Valentina D’Alonzo, Matteo Rizzari, Silvia Cocuccioni, Daniel Herrera, Valentina Miriam Cittati, Daniele Vettorato
About the project

- **Horizon 2020** project
- **32 partners** based in 9 European countries
- 1 of 4 EU-funded projects that are coordinating on climate change adaptation
- Launched in **October 2021**
- Objective: turn climate commitments into **tangible, urgent actions** to enhance the resilience of communities

IMPETUS has **demonstration sites** in 7 European biogeographical regions

Source: IMPETUS project proposal
About the project

The project goal is to help the seven IMPETUS demo sites to find their best adaptation pathway by:

- **testing 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;
- **encouraging the “ownership”** of adaptation measures by local stakeholders;
- **gathering knowledge** about scientific, technical, social and policy developments in local “Resilience Knowledge Booster” (RKB) hubs;
- **knowledge sharing** at local and regional level centred around RKBs;
- **interconnecting RKBs** with other active communities and organisations to share lessons learned more widely across Europe.

Source: IMPETUS project brochure
Resilience Knowledge Booster (RKB)

Source: ESCI – C&D lead partner

IMPETUS video on YouTube
Valle dei Laghi – Mountains Demo Site

Photo credits: LeDo lab

Source: Eurac
Valle dei Laghi – Adaptation Solutions

- **Development of a Decision Support System** for sustainable and integrated water resource management to address situations of water scarcity.

- **Analysis of innovative insurance products** to limit economic losses due to climate change impacts.

- **Activation of cultural heritage** (both tangible and intangible) to improve community resilience to climate change.

- **Improved climate risk management and assessment** practices through the application of Impact Chains as a participatory approach, in the agriculture and built environment sectors.

- **Evaluation of the altitudinal shift of crops** as adaptation measure for vineyards.

Source: DS partners
Main functionalities:

- **General info** on the Demo Site (DS)
- **Document repository** (reports, guidelines, plans, etc.) related with climate change adaptation strategies / measures in the region
- **Calendar of events** about climate change adaptation in the region
- **Repository of information generated in workshops** (documents produced about climate adaptation during workshops that have taken place in the DS/region)
- **Climate projection scenarios** for specific locations
- **Adaptation pathways** (to either be informed or to be supported in decision making processes)
- **Link to tools developed by DS partners** (e.g. DSS for water management, Impact Chains guidelines, Cultural Heritage support tool, etc.)

Main users:

- Policy- and decision-makers
- Authorities at different levels
- Managers of irrigation consortia
- Journalists
- Environmentalists
- Scientists
- Citizens
- Key community members
- ...
Conclusions

• **About discoverability, accessibility, and usability of data and information** via EU projects in Europe: IMPETUS can be a good example *but* the development of RKBs seems very complex up to now.

• **Challenges and opportunities to integrate and apply** data and information for *scientific, policy, and practical impact* within these projects: partners should be clever in understanding and implementing the best way to make this tool accessible and user-friendly for potential users/SHs.

• **Long-term sustainability of data and information**: RKBs aim at providing a network for knowledge flowing and sharing also to other communities at regional and European levels.

• **What is the sustainability plan of your project?** IMPETUS wants to ensure continuity after the project lifetime through consolidated and interconnected RKBs and communities at different scales.

Source: ESCI – C&D lead partner
Thank you for your attention!

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.

valentina.dalonzo@eurac.edu

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