



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

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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



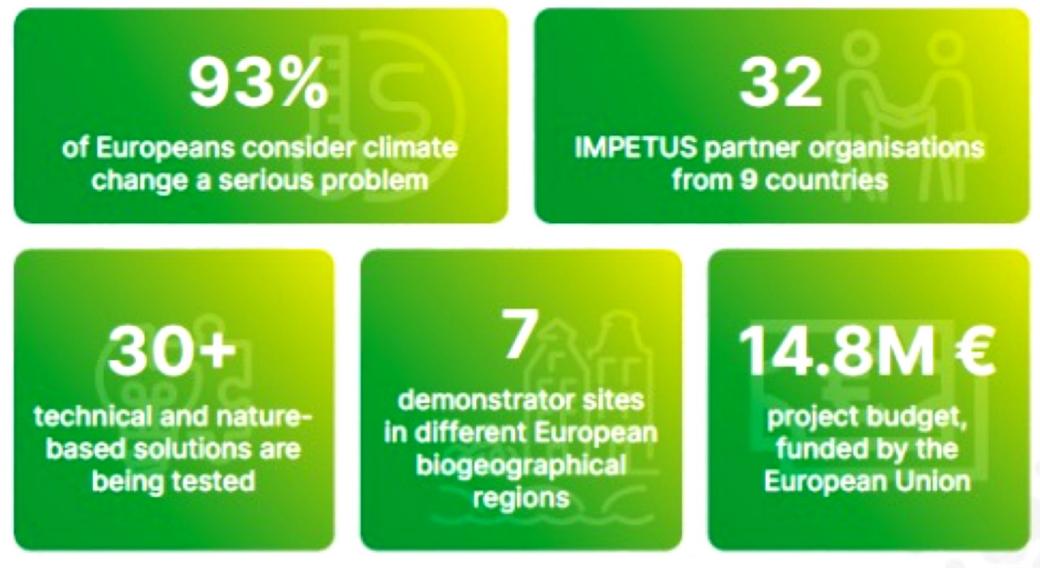
Source: IMPETUS project proposal



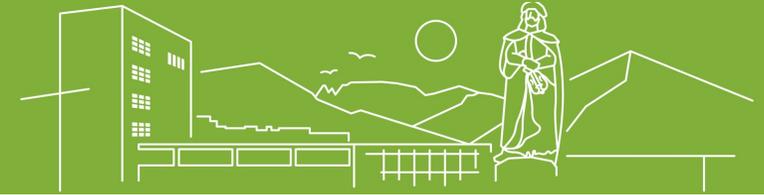
About the project

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

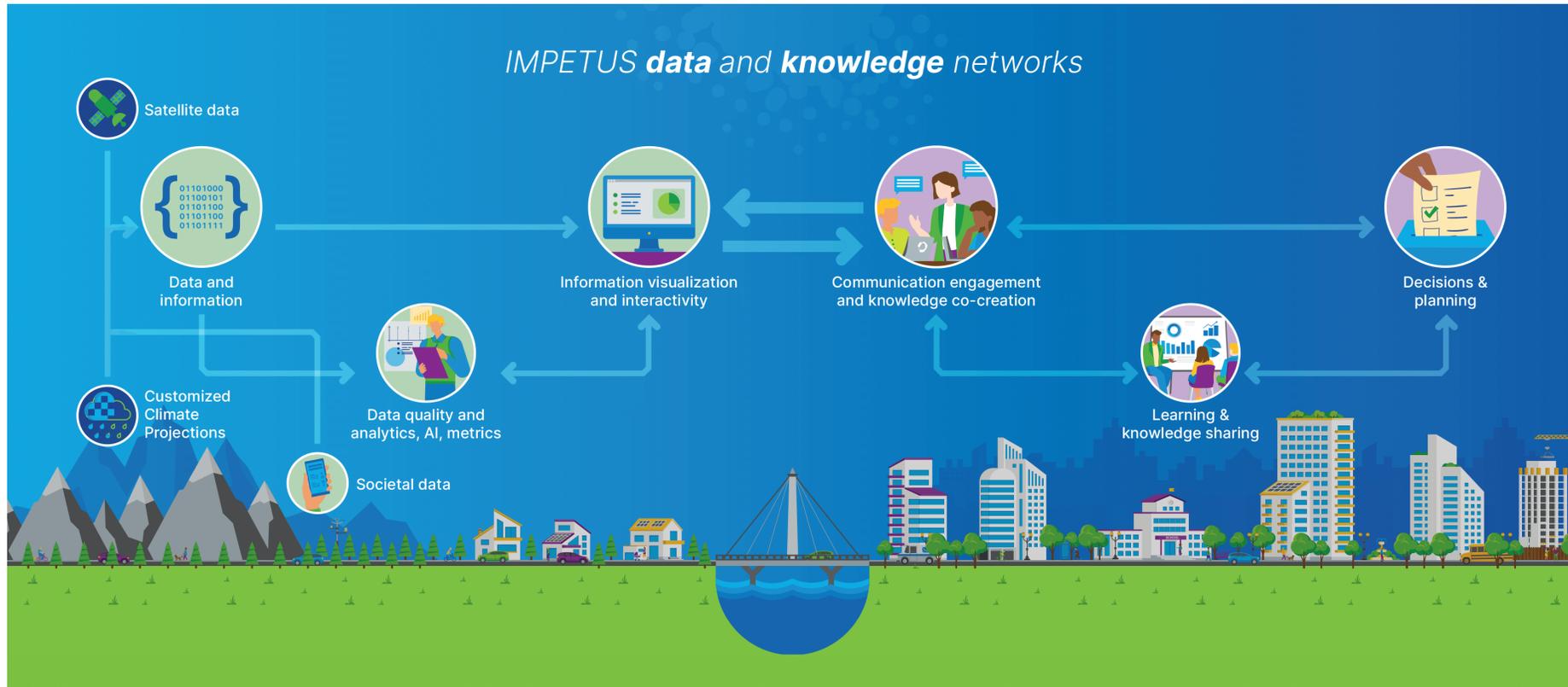
- **testing technologies** and **nature-based solutions** that will mitigate the local impacts of climate change;
- **engaging** with local communities, policy-makers and businesses in co-creation of knowledge, policies and innovative approaches;
- **encouraging the “ownership”** of adaptation measures 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

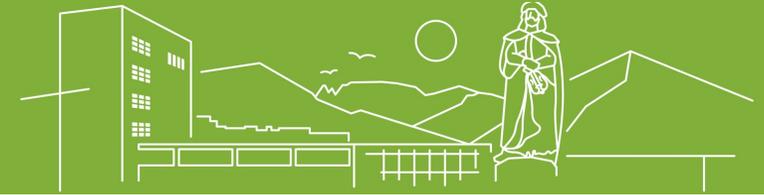


Resilience Knowledge Booster (RKB)



[IMPETUS video on YouTube](#)

Source: ESCI – C&D lead partner



Valle dei Laghi – Mountains Demo Site



Photo credits: LeDo lab



Source: Eurac

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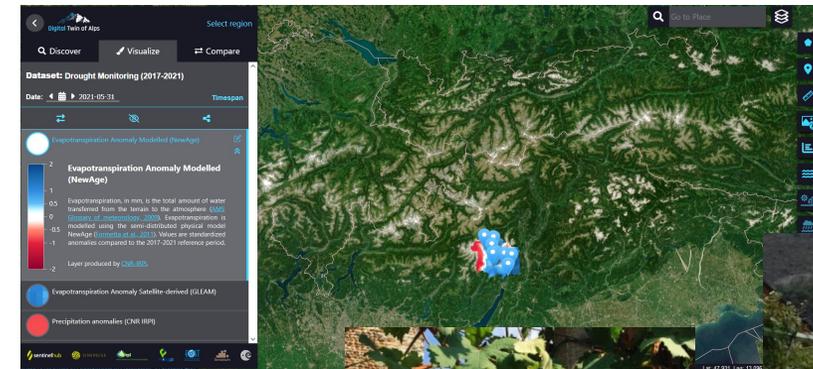


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Valle dei Laghi – Adaptation Solutions

- **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.



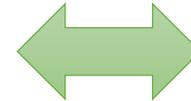
Source: DS partners



Valle dei Laghi – RKB

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:

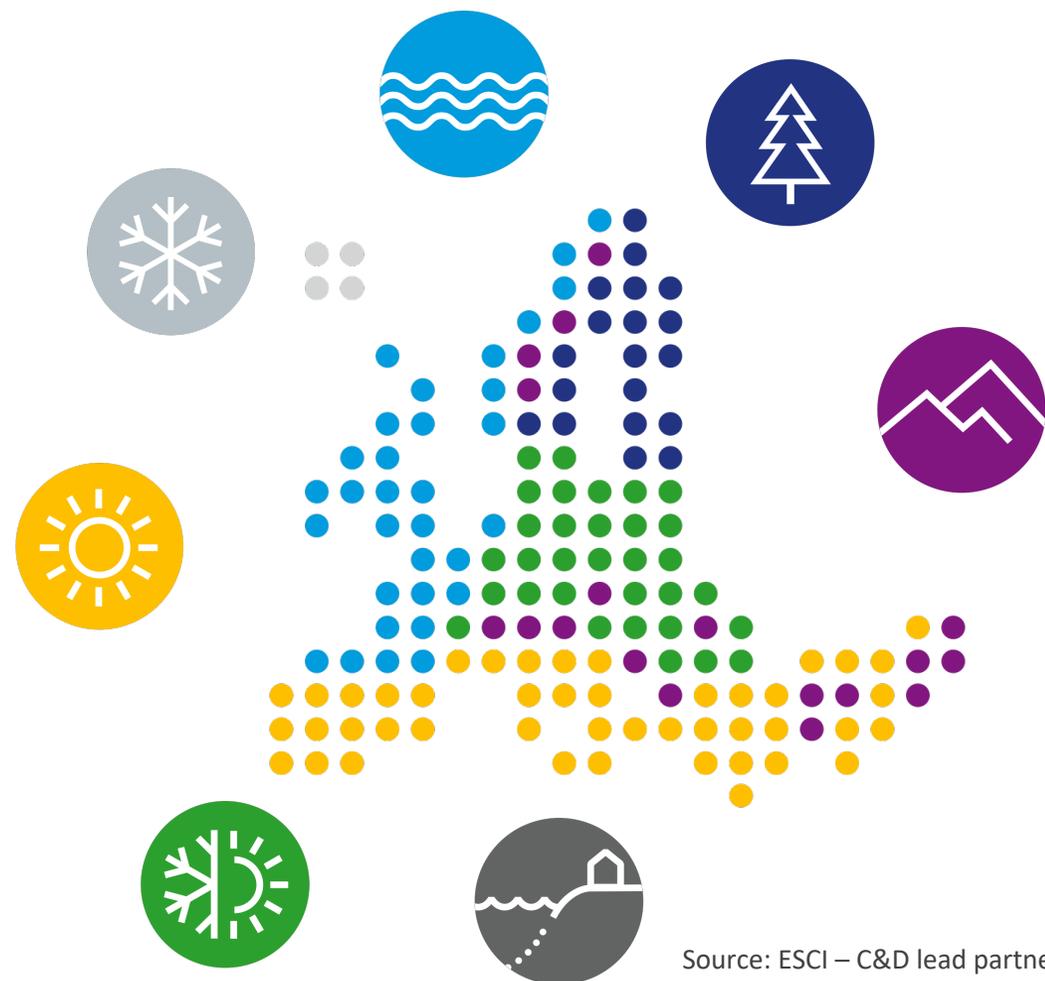
- Policy- and decision-makers
- Authorities at different levels
- Managers of irrigation consortia
- Journalists
- Environmentalists
- Scientists
- Citizens
- Key community members
- ...



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!

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valentina.dalonzo@eurac.edu



IMPETUS

Turning climate commitments into action

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



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