



Innlandet
County Council

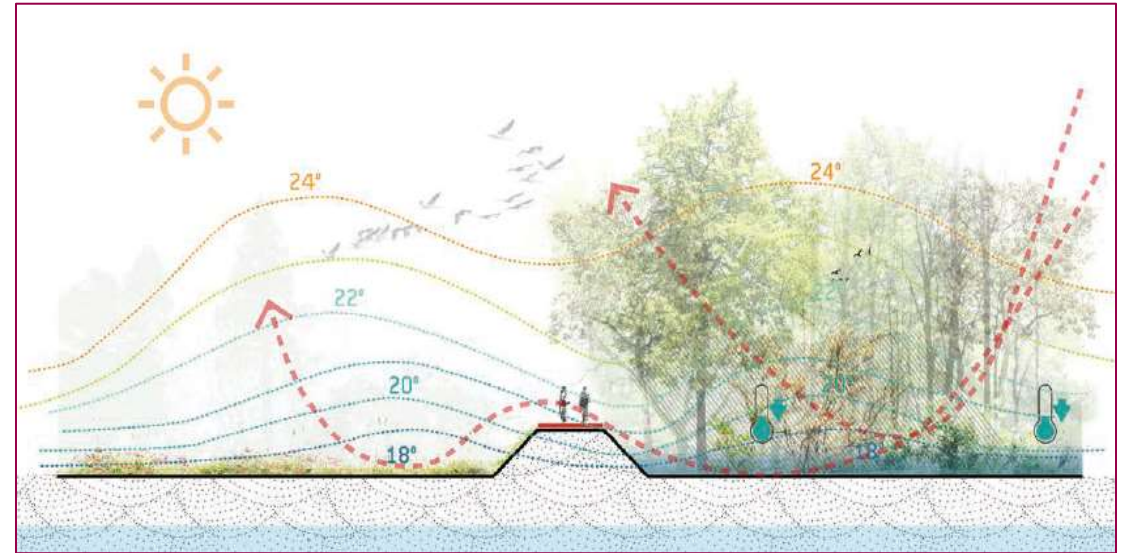
Nature-based solutions and new digital realities:

Ancient wisdom meets new technology

Turid Wulff Knutsen
Senior EU Adviser
Innlandet County

What are nature-based solutions?

- Inspired and supported by nature
- Based on natural processes and ecosystems
- Sustainable approach to climate adaptation



Co-benefits

- Preserves biodiversity
- Increased resilience
- Less invasive in the landscape
- Stimulates green economy
- May improve health and quality of life



EU Mission on Climate Adaptation

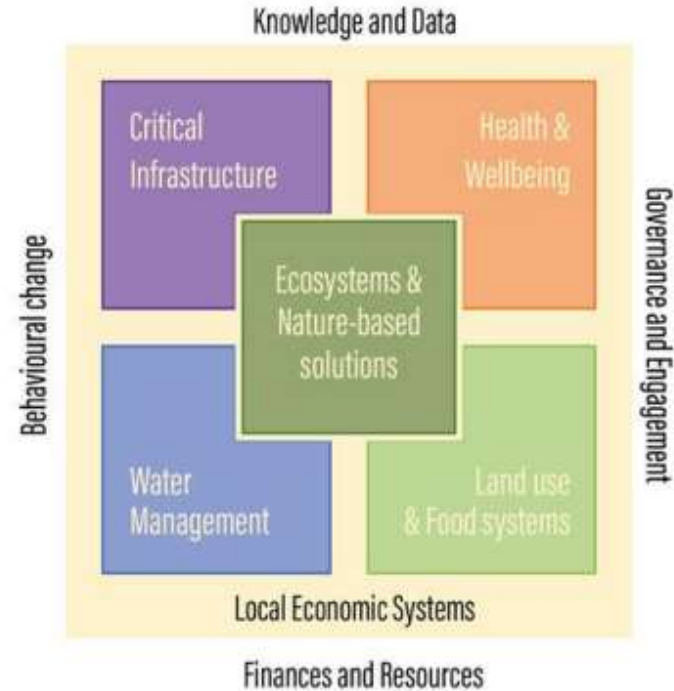


Figure 2: Key community systems and enabling conditions addressed by the Mission

The EU and nature-based solutions

The ambition of research and innovation policy is to position the EU as leader in innovating with nature to achieve more sustainable and resilient societies.

The Commission defines nature-based solutions as

“Solutions that are inspired and supported by nature, which are cost-effective, simultaneously provide environmental, social and economic benefits and help build resilience. Such solutions bring more, and more diverse, nature and natural features and processes into cities, landscapes and seascapes, through locally adapted, resource-efficient and systemic interventions.”

Nature-based solutions must therefore benefit biodiversity and support the delivery of a range of ecosystem services.



Innlandet
County Council

PHUSICOS: According to nature

- Demonstrate that NBS are **technically viable, cost-effective and implementable** at regional scale.
- Show increased **ecological, social and economic resilience** of local communities.
- Rural mountain areas do not receive the same attention as urban areas



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 776681



Learning Arena Innovation (WP6)

- We need more green solutions all over Europe!
- Closing the knowledge gap
- How do we reach out to people?





The new reality: PHUSICOS-VR

- Spin-off project from PHUSICOS
- Self-financed
- Partners:
 - Innlandet County
 - VEA – The Green Vocational School
 - NGI – Norwegian Geotechnical Institute
 - Norwegian Environment Agency (co-sponsor, not direct partner)



Why Virtual Reality?

- Powerful pedagogical tool
- Ability to learn complex concepts in a relatively short time
- Easily update with new technology – «future proof»





PHUSICOS

Start game

How to play

GIS

Subtitles



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 776681.