

## NGI

Norwegian Geotechnical Institute - Department of Risk, Landslides and Climate adaptation

### AREAS OF ACTIVITY

**Biodiversity, Nature-Based Solutions, Ecosystem Services**

**Citizen Engagement**

**Climate Risks & Responses, Disaster Risk Management**

**Climate Services**

**Research & Development**

**Water Management**

### OPPORTUNITIES

### PROJECT

## PHUSICOS and the Virtual Reality simulation game

PHUSICOS – meaning “According to nature” in Greek – is an EU Horizon 2020 Innovation Action that demonstrates how nature-based solutions provide robust, sustainable and cost-effective measures for reducing the risk of extreme weather events in rural mountain landscapes. The focus of PHUSICOS is on demonstrating the effectiveness of NBS and their ability to reduce the impacts from hydro-meteorological hazards (flooding, landslide, erosion, drought, snow avalanche) in rural mountain landscapes. Three main case study sites in Italy, the Pyrenees and Norway represent large-scale demonstrator sites for implementation of NBSs. Additionally, two small-scale concept cases in Austria and Germany will test specific challenges. Further to implementing and demonstrating the effectiveness of NBS, PHUSICOS WPs is developing learning arena platforms and has pursued the development of a Virtual Reality (VR) solution with politicians as a target group to increase their knowledge capacity with regard to implementing nature based solutions. This video provides a 2D experience teaser of the PHUSICOS-VR simulation game as an illustration of the full VR experience, which is played out at the own pace of each individual user. We hope that this video can be of interest as a specific innovation product from PHUSICOS and available for the wider public. Contact: Amy Oen <https://www.ecca21.eu/participants/144> Official website of the project: <https://phusicos.eu>

### Applies to

**Citizen engagement**

**Public authorities**

**Knowledge transfer**

**Extreme weather events**

Simulation, gamification

Climate change adaptation

Disaster risk management and reduction



ECCA 2021 - Climate Adaptation solutions - PHUSICOS

Video <https://youtu.be/BkAp33QOPek>

