

# PHUSICOS SIMULATION

Nature-based solutions (NBS) are cost-effective and sustainable measures inspired by nature that can attenuate, and in some cases prevent, the impacts of extreme weather events, and thereby the risks that affect the exposed regions. The PHUSICOS simulation is a multi-player browser-based simulation that focuses on the challenges related to the implementation of NBS for disaster risk reduction.

In the PHUSICOS simulation, players will take on different stakeholder roles, each of which will have their own goals and interests. This role-playing aspect therefore enables players to experience a situation where various and often opposing worldviews and goals are represented.

Players have the opportunity to prioritize problems, plan and implement solutions, and solve conflicts via negotiations and dialogue. Together, they will creatively experiment and test various risk reduction solutions, after which they instantly face the outcomes of their decisions. The simulation thus sets emphasis on the negotiations that occur between stakeholders in their attempts to implement different NBS for reducing disaster risk and weighing up their co-benefits and trade-offs.

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