

# Demonstrator and replicators map



■ Demonstrator ■ Replicator

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## CONSORTIUM



UR UNIVERSITÉ DE LA RÉUNION

brgm Géosciences pour une Terre durable



Geologically Enhanced NaturE-based Solutions for climate change resiliency of critical water InfraStructure

# GENESIS WILL

Analyse, for each demonstrator site



Water demand



Hydrological and hydrogeological models and simulations



Simplicity, versatility and cost-effectiveness of the nature-based solutions, and their impact in quantity and quality of water storage.

Implement and test different kinds of Macaronesian suited Nature-based Solutions to improve aquifer recharge and water quality

- 1 Reclaimed water in dry gallery,
- 2 Underground dike-impounded dam systems.
- 3 Soil aquifer treatment,
- 4 Wetland restoration,
- 5 Other ecosystem-based approaches (infiltration ponds).

A digital twin of the hidrogeology of La Palma will test the synergetic effects of the four NbS implemented and the resilience of the water system towards climate change scenarios.

Citizen's engagement and active participation will be enabled through different channels

Citizen assemblies

Citizen science hub

La Palma Living Lab

La Palma Bootcamp

