

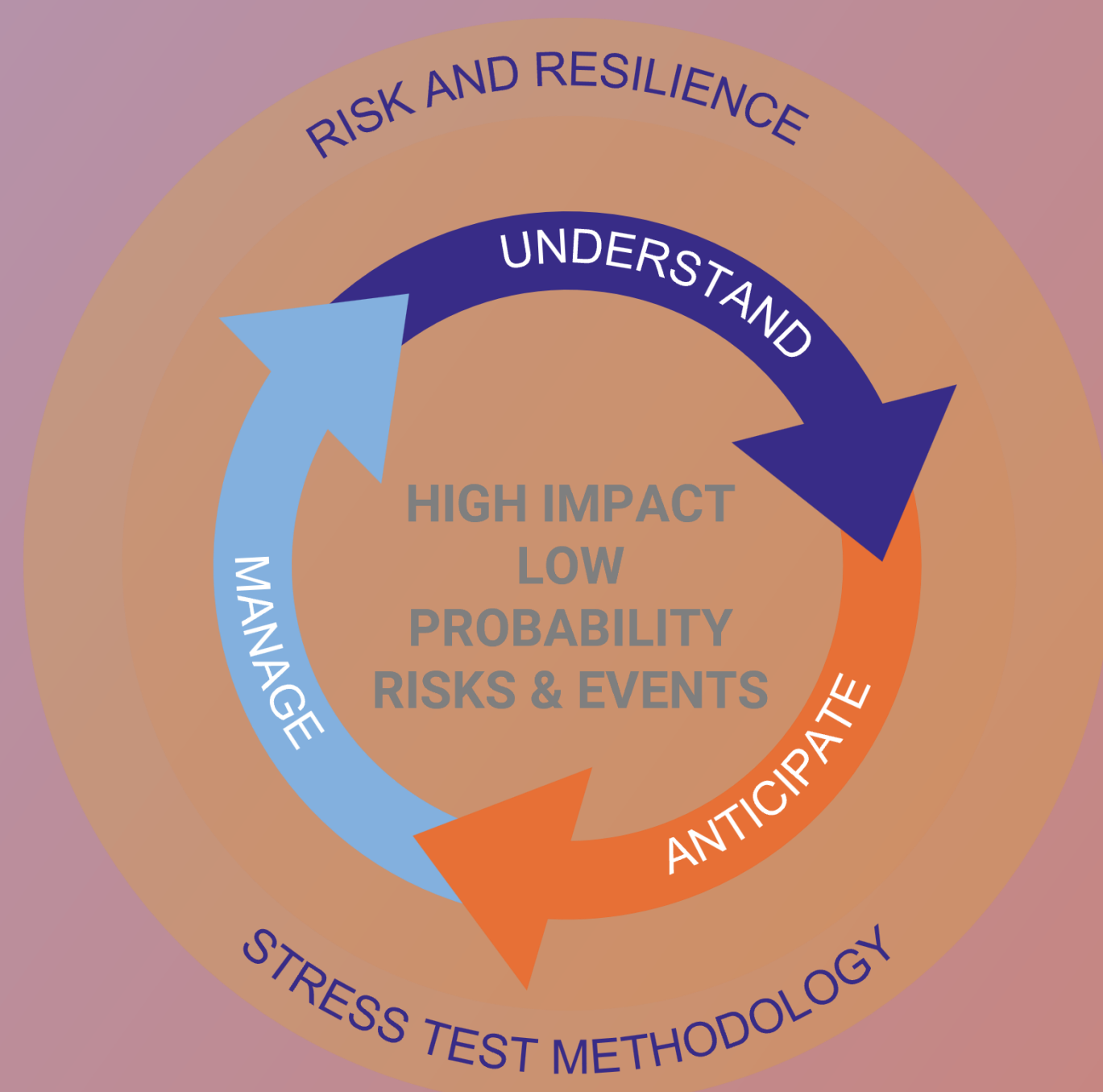


AGnostic risk management for high Impact Low probability Events

Project Objective

AGILE will design, develop, and apply a **holistic methodological framework** and practical tools for **understanding, assessing, managing, and communicating HILP events** with a systemic risk and resilience perspective. The project will **improve strategic and operational risk management capacities and capabilities** of DRM stakeholders on local, regional and national level by **co-developing and implementing** interdependent and multi-sectoral **risk and resilience stress-tests**.

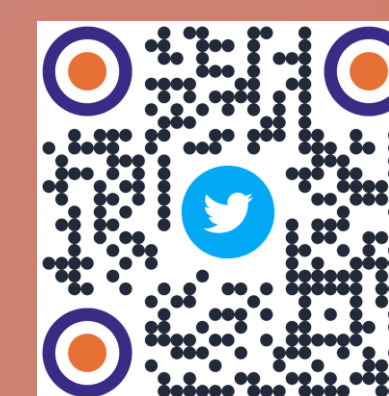
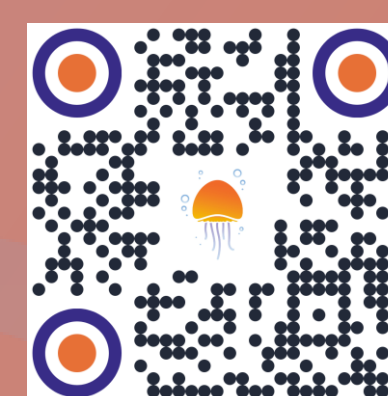
Project Concept



What is HILP?

HILPs are described as “events or occurrences that cannot easily be anticipated, arise randomly and unexpectedly, and have immediate effects and significant impacts”¹

AGILE will work towards defining a universally acceptable definition for the HILP events.



Pillar 1: UNDERSTAND

WP1: Conceptualising HILP as concurrent, cascading and systemic events
WP2: Multi-Disciplinary HILP Reference Library

KEY RESULTS

KR1: HILP conceptualization & Taxonomy (TRL 2 > 4-5)
KR2: HILP reference library (TRL 2 > 4-5)

Pillar 2: ANTICIPATE

WP3: Risk and resilience stress testing methodology
WP4: Scenario development and stress test implementation

KEY RESULTS

KR3: Tiered stress test methodology (TRL 2 > 5-6)
KR4: Stress-test implementation in 9 case studies

Pillar 3: MANAGE

WP5: Evidence-based planning, capacity building and risk communication

KEY RESULTS

KR5: Evidence-based preparedness and management plans (TRL 2 > 5-6)
KR6: HILP communication strategies

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Consortium partners



Non-Profits/Authorities:

- Johanniter-Unfall-Hilfe e. V., Germany
- The Ministry of Internal Affairs of Romania, Romania
- National Commissioner of the Icelandic Police, Iceland
- Veiligheidsregio Rotterdam-Rijnmond, The Netherlands
- City of Rotterdam, The Netherlands
- Energy and Environment Agency of Arrábida, Portugal

Universities & Research Centers:

- G.E. Pukhov Institute for Modelling in Energy Engineering, Ukraine
- Delft University of Technology, The Netherlands
- Euro-Mediterranean Center on Climate Change, Italy
- Pacific Disaster Center, University of Hawaii, USA
- University College London, England

Expert & consultancy organisations

- Prepared International UG, Germany
- Factor Social (Consultoria em Psico-sociologia e Ambiente Lda), Portugal
- ARTTIC Innovation GmbH, Germany

Potential Partner

- Tohoku University, Japan



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1. <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl3-2022-drs-01-02?tenders=false&callIdentifier=HORIZON-CL3-2022-DRS-01>