BRIGAID'S WORKFLOW





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BRIGAID

BRIDGING THE GAP FOR INNOVATIONS IN DISASTER RESILIENCE

THE INNOVATION HUB FOR CLIMATE ADAPTATION SOLUTIONS

OUR AIM IS TO PROVIDE STRUCTURAL AND ONGOING SUPPORT FOR INNOVATION CLUSTERS

Finding solutions for climate hazards

FLOODS 📚

Coastal floods resulting from high sea water levels and wave impact and river floods resulting from discharges that exceed flood protection levels.

Solutions: Flood protection, early warning systems, sensor systems, risk awareness and communication, crisis management, economic incentive schemes for water and land use management.

EXTREME WEATHER

Wildfires, storms and heavy precipitation resulting in vurban floods due to exceedance of drainage capacity and/or flash floods.

Solutions: Sensors systems for monitoring and threat detection, eco-technologies, mobile apps for early warning, public risk information databases knowledge sharing and awareness, climate buffers against heat, wildfire innovation.

DROUGHTS

A sustained and extensive occurrence of below average water availability, whether atmospheric, surface, or ground water caused by climate variability that can result in water scarcity.

Solutions: Engineering facilities, agriculture solutions, groundwater-centred innovations, water harvesting techniques, eco-friendly technologies, agroforestry solutions, monitoring and decision support tools, land and water management.

7 PROTOTYPE

Stocktaking of innovations

VALLEY OF DEATH

INNOVATION PROCESS

Plan, Test and Market

Market Ready Innovations Large Scale Market Uptake

END USE

BRIGAID'S ROADMAP

BRIGAID offers solutions for climate adaptation by developing an innovative mix of methods and tools, to become a standard for climate adaptation innovations.

- 1 **IDENTIFY** 75-100 existing innovations (trl 4-8) on floods, droughts and extreme weather.
- (2) **SELECT** the most promising 35-50 innovations for further testing, validation and demonstration.
- **3 IMPROVE** these innovations.
- 4 **SELECT & SUPPORT** the 20-30 most promising innovations for market introduction.
- 5 **ESTABLISH** this process to make it an ongoing, structural activity beyond BRIGAID's life time.

BRIGAID'S APPROACH

There are 7 steps that form the path to deliver innovations to the market through the assessment and improvement of Technical, Social and Financial readiness.

BRIGAID's 7 steps:

- (1) **ESTABLISHMENT** of a network of test facilities and implementation/demonstration sites across Europe for innovations that reduce impacts from floods, droughts and extreme weather.
- (2) **STRONG INVOLVEMENT** of innovators: secured support from a broad range of innovation platforms.
- (3) A TEST AND IMPLEMENTATION FRAMEWORK (TIF), which delivers a standardised methodology for an independent, scientific judgment of the sociotechnological effectiveness of innovations and the assessment of effectiveness of risk reducing measures.
- (4) SUPPORT in business development through a Market Analysis Framework (MAF+) to identify market opportunities and select business models.
- (5) **DEVELOPMENT** of a Public-Private Investment and Financing (PPIF) model for securing ongoing investments in (clusters of) innovations.
- (6) PERFORMANCE of online and offline marketing activities to expose innovations to end users, e.g. an online Innovation Sharing Platform (ISP) as the EU portal for innovations.
- (7) STRONG INVOLVEMENT: secured engagement of end users and potential paying customers.