

BRIGAID'S WORKFLOW

The 3 innovation cycles



All the innovations found not to be ready for market deployment will have the chance to be improved and tested again in the upcoming innovation cycles.

The Cycle phases

1st IDENTIFICATION AND SELECTION

Developed Solutions (TRL4-5) by BRIGAID partners or solutions offered to BRIGAID by external innovators

Solution's Standard Description
Technical Readiness
Social Readiness
Investment Readiness

75 - 100

All solutions featured on Brigaid's online Innovation Sharing Platform

2nd TESTING

35 - 50

Selected for Testing

Test and Implementation Framework
- Improvements (testing budget)
- Physical deployment on a test field
- Overall performance

3rd BUSINESS DEVELOPMENT

TRL8-9

Market Analysis, Investment and Financing, Marketing and Dissemination

Individual business models
Funding and investment opportunities

20 - 30

Selected for Market Introduction



BRIGAID

BRIDGING THE GAP FOR INNOVATIONS IN DISASTER RESILIENCE

THE INNOVATION HUB FOR CLIMATE ADAPTATION SOLUTIONS

www.brigaid.eu
#brigaid #HZ2020 #EASME



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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 urban 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.



BRIGAIID'S ROADMAP

BRIGAIID 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 BRIGAIID's life time.

BRIGAIID'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.

BRIGAIID'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 socio-technological 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 (PIPF) 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.