



BRIGAIID

BRIDGING THE GAP FOR INNOVATIONS
IN DISASTER RESILIENCE

BRIGAIID PROJECT PRESENTATION

CLIMATHON KRAKÓW
27 OCTOBER 2018





INNOVATION PROCESS

Test & Implementation Support

Business Development &
Financing Support

Market Outreach &
Dissemination Support



PROTOTYPE

STOCKTAKING OF INNOVATIONS
INNOVATOR INCUBATOR



END USERS

MARKET READY INNOVATIONS
LARGE SCALE MARKET UPTAKE

VALLEY OF DEATH

DISASTER RESILIENCE

Europe is particularly prone to these natural hazards and evidence is now ever stronger that damages will increase.

Evaluations also show a huge potential to reduce these risks through adaptation strategies.





BRIGAID is a 4-year project (2016 - 2020) under EU Horizon2020 aimed to effectively bridge the gap between innovators and end-users in resilience to floods, droughts and extreme weather.

Bridging the Gap in Innnovations in Disaster Resilience (BRIGAD)





BRIGAIID

BRIDGING THE GAP FOR INNOVATIONS
IN DISASTER RESILIENCE

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

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



BRIGAIID

PROJECT PARTNERS



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

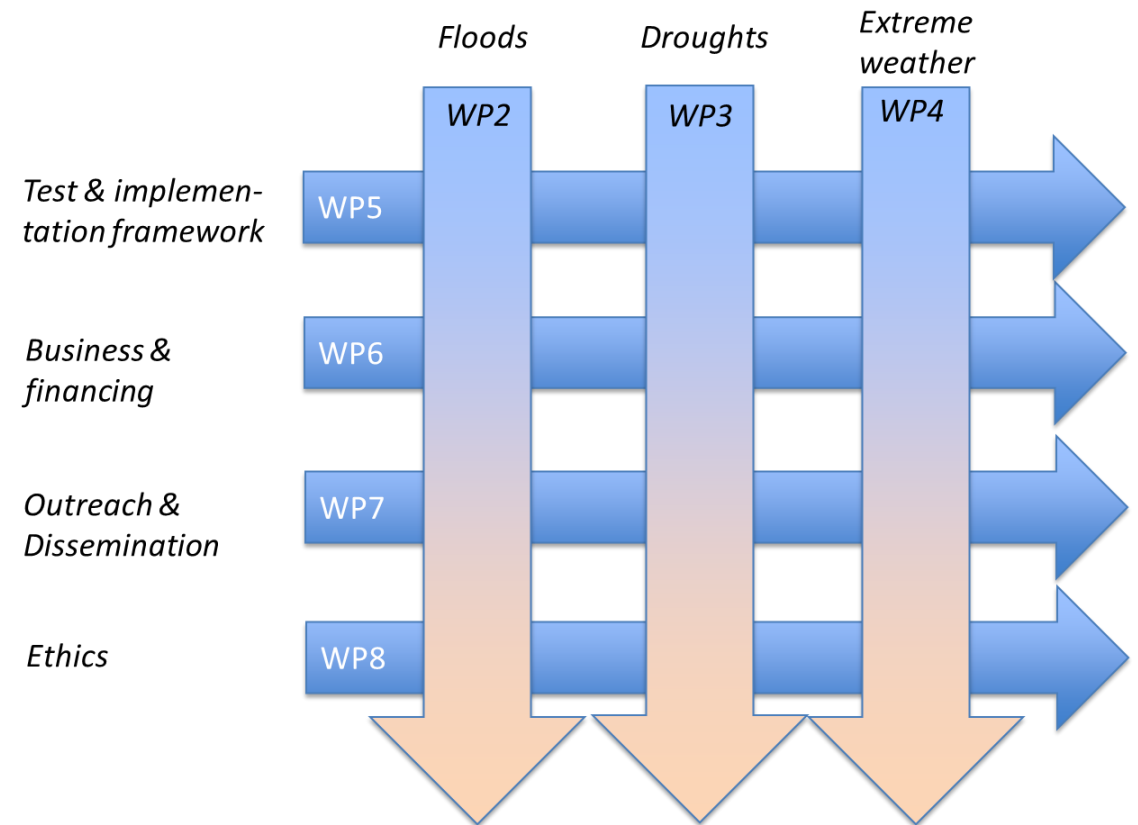


BRIGAIID'S APPROACH

BRIGAIID clears the path to deliver innovations on floods, droughts and extreme weather to the market through the assessment and improvement of:

Technical + Social + Market Readiness

By advancing these three factors simultaneously, BRIGAIID smoothens the development path, because technical, social and market requirements can be incorporated in the design, business model and market approach early on.



BRIGAIID'S ROADMAP

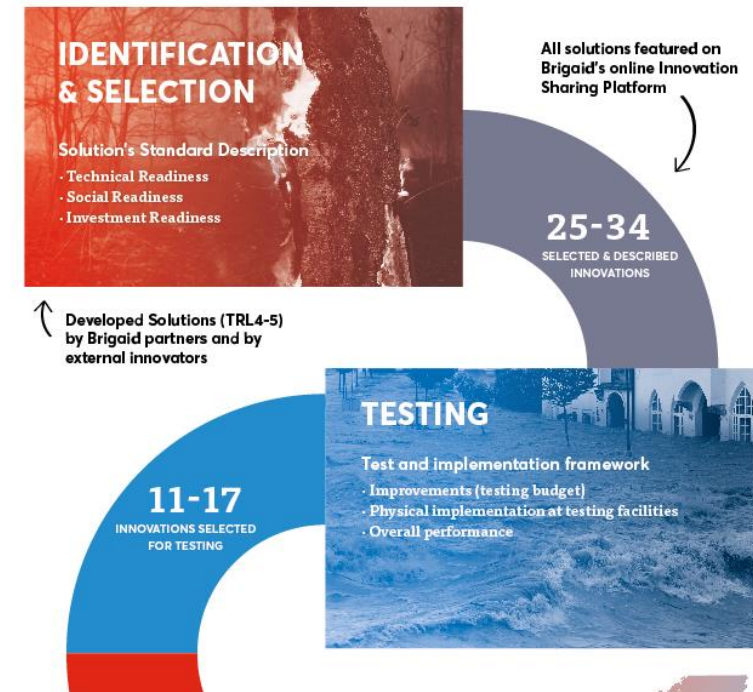
BRIGAIID offers solutions for climate adaptation by developing an innovative mix of methods and tools, to become a standard for climate adaptation innovations.

- 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.

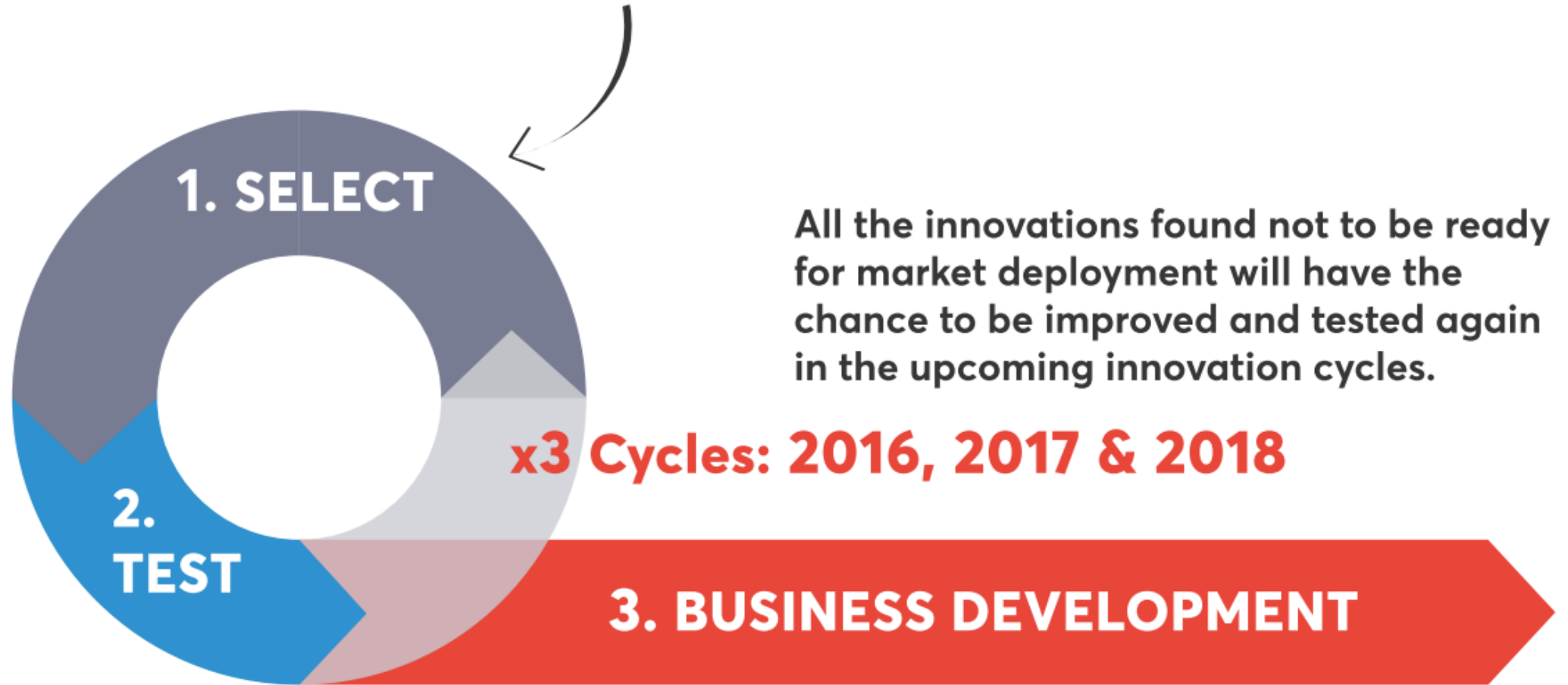
BRIGAIID'S PLANNED CYCLES



CYCLE'S PHASES



The 3 innovation cycles



LIVING LABS

- Flood Proof Holland
- Flood Flood Proof Romania
 - 3 test basins: 2.5m x 20m x 30m
 - 1 will allow for testing of river flood defenses (i.e., “flow past” barriers)
- Field test sites, e.g. Antwerp



TIFF

A Testing and Implementation Framework (TIF) for Climate Adaptation Innovations.



A Testing and Implementation Framework (TIF) for Climate Adaptation Innovations

Final Version of the TIF

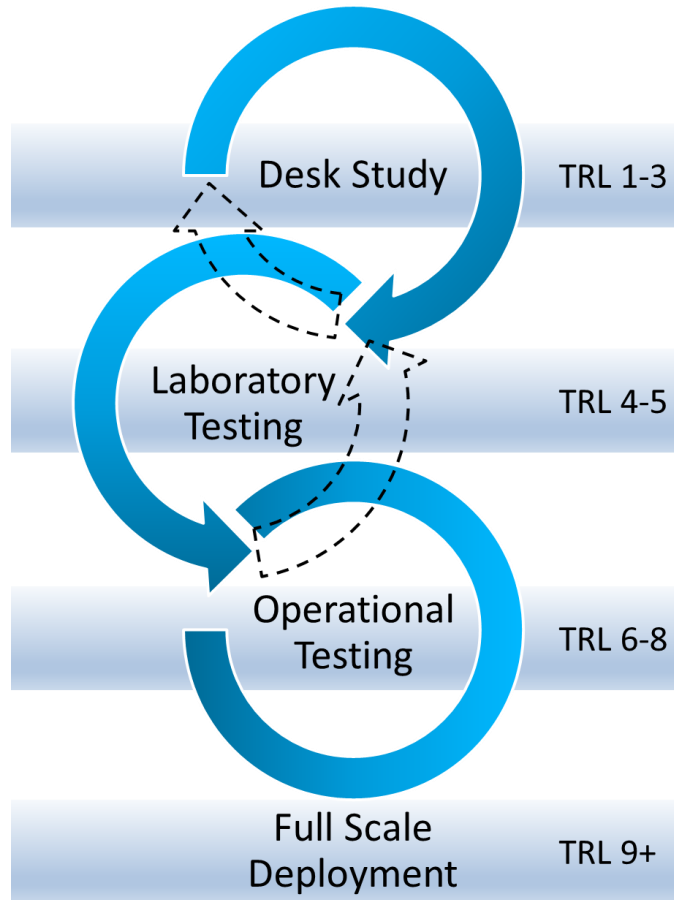
Deliverable 5.2

Grant Agreement No.	700699
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Deliverable Leader	Delft University of Technology
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Submission Date	30 October 2017
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TESTING FRAMEWORK

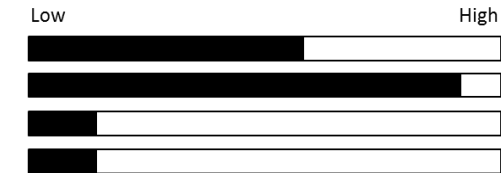


TECHNICAL, SOCIETAL & MARKET READINESS

Innovation A

Technical

Technical Effectiveness
Durability
Reliability
Flexibility



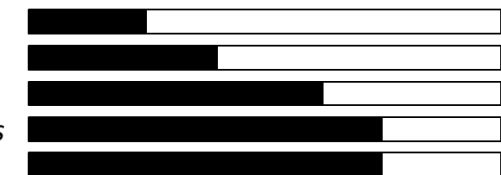
Impacts

Sustainable Design
Environmental Impact
Ecological Impact
Agriculture
Energy
Forestry
Health
Infrastructure
Tourism



Societal

Psychometric Risk Factors
Inflexibility Indicators
Sociocultural Preferences
User Acceptance Constructs
Responsibility Dimensions



PPIF

The PPIF The Public-Private Investment and Financing Model (PPIF).



The Business Development approach and PPIF methodology D6.3

Grant Agreement No.	700699
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PU=Public, CO=Confidential, only for members of the consortium (including the Commission Services), CI=Classified, as referred to in Commission Decision 2001/844/EC.

Market Analysis Framework +

<https://maf.brigaid.eu>

Market Analysis Framework +

Successful innovations require more than a great idea and technical expertise – they need a market. The BRIGAD Market Analysis Framework + (MAF+) supports innovators to identify market opportunities, fine-tune their innovations to meet actual market needs, and develop their business strategy.

The MAF+ compiles 12 market analysis and business development exercises equipped with succinct text descriptions what enables the framework to be performed by non-specialists. Each exercise supports you to evolve your climate adaptation innovation into a concrete business. The text explains the purpose of each exercise individually, provides step-by-step instructions, and features relevant examples.

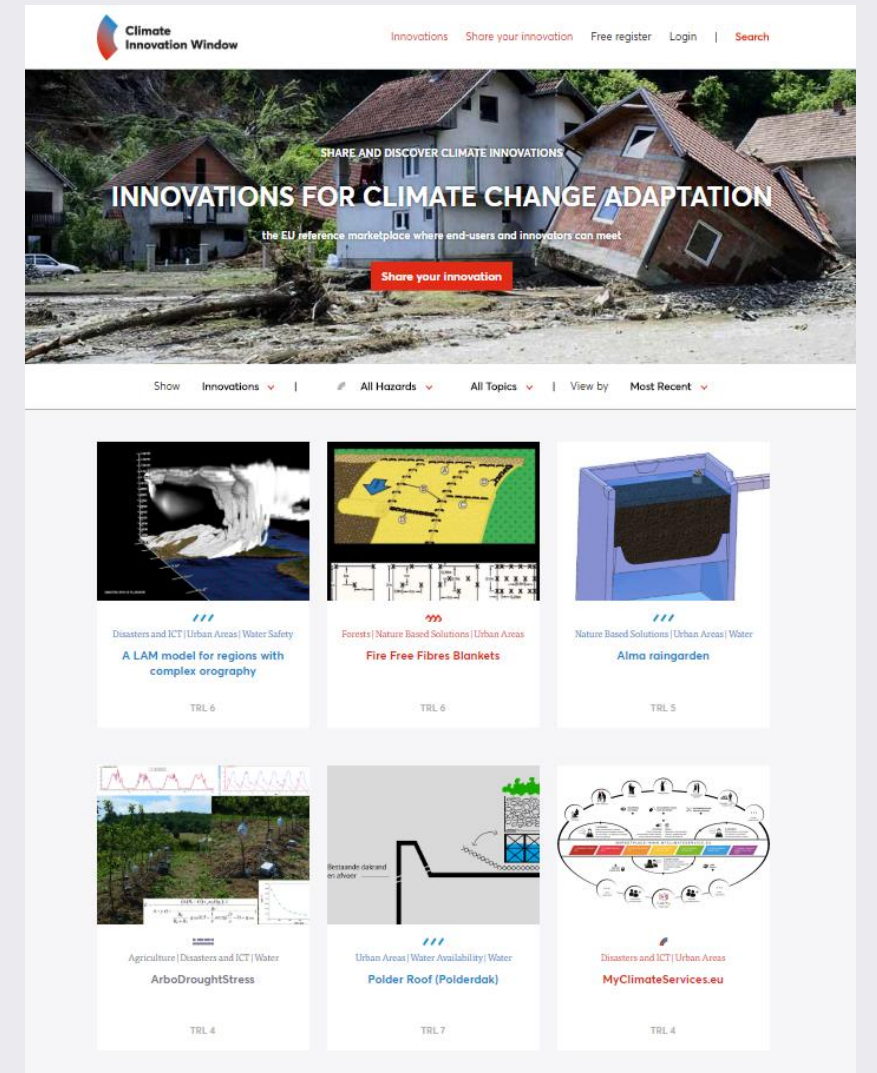
Along the way, the MAF+ exercises provide you with practical outputs that you can feed straight into your business plan, marketing, and strategic planning. At the same time, the MAF+ aims to build and strengthen your capacity and competitiveness by getting you acquainted with marketing and business concepts through practice.

The MAF+ is as a free stand-alone resource available to all. However, if you are a climate adaptation-related innovator and want personalised guidance, support, and funding to further your innovation – [join BRIGAD!](#)



The CLIMATE INNOVATION WINDOW

<https://climateinnovationwindow.eu>



Polderroof



Multi-hazard

Urban Areas



Heavy rainfall events are occurring more frequent and are becoming more intense due to climate change. In dense city areas with a large share of hard surfaces (roads, pathways and buildings) the rainwater creates peak loads on the sewage system, causing nuisance, damage and spilling of sewage in surface water. Municipalities want to limit the runoff of rainwater to the sewage system to reduce investments in the sewage system and damage caused due to excess rainwater.

Developed by

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