



REPUBLIKA E SHQIPËRISË
MINISTRIA E INFRASTRUKTURËS DHE ENERGJISË
AGJENCIA KOMBËTARE E PLANIFIKIMIT TË TERRITORIT
PROJEKTI BRIGAIID/HORIZON2020

**Terms of reference, duties and responsibilities for National Expert on
Coordinating studies, surveys and analysis for Climate Change:
Extreme Weather in Albania, BRIGAIID, H2020**

Background

BRIGAIID project - Bridges the Gap for Innovations in Disaster Resilience is approved and signed by the European Commission on January 2016 and officially launched on May 2016.

The BRIGAIID goal is to absorb innovative ideas on 3 main components of climate change, floods, droughts and extreme weather. Between different ideas, the project will select some of them, which will be developed and tested. Successful ideas will be assisted in order to hit the market and made available during natural disasters when they can play their role to reduce or avoid possible damages.

Project leader is Technische Universiteit Delft (TU Delft). The project has 24 partners from different countries of Europe such as United Kingdom, Belgium, Germany, Italy, Spain, Portugal, Romania, Poland, Israel, etc. Most of them are research institutions, academic institutes, small and medium-sized enterprises (SMEs), as well as state institutions.

The project will be developed in 7 working packages WP (for a period of 4 years).

A brief explanation for each of the WP: **WP1** will extend throughout the project implementation period and will cover all project management; **WP2** aims to support innovative solutions to reduce or mitigate the impact of different types of flooding, including river flooding due to extreme rainfall and coastal flooding due to storms; **WP3** aims to support innovative solutions to reduce or mitigate the impact of water shortage and drought periods; **WP4** aims to support innovative solutions to reduce or mitigate the impact of extreme weather, with a focus on heavy precipitation (including hail), heat waves and forest fires; **WP5** objective is to develop a standardized methodology for testing and implementation of climate change adaptation measures, in particular to evaluate their potential to reduce the risks of floods, droughts and extreme weather; **WP6** will prepare and empower organizations after innovations tested in WP5 in order to reach potential investors and potential customers in cooperation with WP7. In this sense, WP6 is designed to go beyond producing a standard, a traditional report of market analysis; **WP7** integrates awareness, dissemination and communication with stakeholders and policy makers in order to support the expansion of emerging market innovations under the framework of the project.

National Territorial Planning Agency is the only Albanian partner in the project and its duty as a government institution will be the identification of innovations in the area, facilitating the implementation of project results to local and regional authorities which are most sensitive to the risk associated to climate change. It will also help in testing the products on-site, will provide data to improve innovation, and will help in the distribution campaigns, awareness and marketing of the project.

Project Objectives (Chapter I DoA)

BRIGAIID's ambition is to provide structural, ongoing support for innovations in climate adaptation by developing an innovative mix of methods and tools, which should become a standard for climate adaptation innovations. To achieve this, BRIGAIID follows a 2-layered approach. First, BRIGAIID's unique mix of methods and tools consists of three elements; 1) a framework that evaluates the effectiveness of innovations and the organizational and governance requirements, 2) a business development and financing model for climate adaptation innovations and 3) an online interactive platform that presents innovations and connects innovators, end users, qualified investors, and grants and fiscal incentives advisors throughout Europe. Second, these methods and tools are validated in the project by reviewing 75-100 promising innovations on floods, droughts and extreme weather, improving the 35-50 most promising ones, and bringing the top 20-30 innovations with the highest socio-technical and investment readiness to the market. By embedding the mix of tools in the interactive platform, attracting a ring of common investors in climate adaptation, connecting with the EU and National Adaptation Strategies, BRIGAIID strives to become the quality label for climate adaptation and structural reduction of climate-related disaster impacts in Europe and beyond. BRIGAIID strongly believes that this unique approach will be essential for Bridging the Gap for Innovations in Disaster resilience structurally.

BRIGAIID is designed to bridge the gap for innovations that reduce the impacts of climate related events in the EU, its associated countries and overseas territories. This 'gap' refers to a combined lack of methodologies and support that are needed to turn already existing innovations into complete and market ready products.

NTPA role in the project

NTPA is governmental organizations to facilitate the implantation of project results to regional authorities to provide aid at EU regions which are most susceptible to climate related risk. NTPA support partners for test plants and to prepare for innovations testing, by sharing knowledge on the test procedure and test facilities for innovations related with floods, droughts and extreme weather.

National Territorial Planning Agency is partner and coordinates tasks for WP 2, 3, 4, 6 and 7:

WP 2, 3, 4 (Floods, Droughts, Extreme Weather):

- Task: **Stocktaking**. Stocktaking means that all partners actively look for innovations that have the potential to be strong innovations to reduce or mitigate the impact of floods.
- Task: **Test plan and preparation for testing**. Innovations need to be tested and improved so their TRL level advances. NTPA support this process by sharing knowledge on the test procedure and test facilities.

- Task: **Testing, improvement and demonstration of innovations.** The next step in the development process is testing of the innovations. NTPA (end user) provide input to improve the innovations (also to innovations included during stocktaking).

WP 6 (Business development and financing):

- Task: **Support partner in the tasks.**

WP 7 (Market outreach and dissemination):

- Task: This WP is responsible for both **dissemination and communication** with BRIGAIID's target groups: innovators, end users, leading sectoral users, investors and society in general.

EXPERT Duties and Responsibilities

- **Objectives of the assignment and duration**

Albania is a country vulnerable from climate change, more specifically the recent years is sensitive for floods, drought and extreme weather. The coordinator expert should prepare a detailed report for climate changes issues relevant for Albanian Territory, the main focus of this report should be: analyzing and finding the proper solution related with extreme weather if it is appropriate; this in accordance with information's and data collection for Albanian Territory. In the report should identify also the solutions and reflect potential innovations to face climate change issues.

The duration of the expert/organization assignment is **for 2 months from the beginning of the contact.**

- **Description of the Responsibilities of the Expert**

The coordinator expert will work under the overall guidance and management of the NTPA General Director and Albanian Manager of BRIGAIID Project.

The coordinator expert prepared a pre detailed work plan (time schedule) to be approved by the project unit in Albania.

During the engagement period, the expert shall work and perform the following tasks:

- Have direct contact with the local and central institutions, line ministries and research institute, universities to provide real and secured data for the tasks of the working package;
- Report for all data collection provided by the research and any relevant activities taken during the period of this contract.

The selection process of candidates

The candidates that should express their interest for the application should be part of an interview after which on behalf of three main scope of the project they will prepare a time schedule plan of the works detailing the activities as well as the expected result.

Delivery and Payments

- 1. The First Payment** (after the approved detailed plan) [70 %]
- 2. The Second Payment** (delivery of the final report) [30 %]

The coordinator expert should report to the NTPA General Director and Project Manager weekly for the working process.

After contract expiration all the materials should be delivered as hard copy well as in editable soft copy version.

Required skills and Experience

- An postgraduate degree in Hydro-Technical, Hydraulic, Environmental field, or relevant qualifications;
- Minimum 5-8 years of experience in position as consultant, climate change consultants may should be considered positively;
- Familiar with Climate Change issues, Albanian laws and regulations, action plans related with this issues, project ongoing and those finished;
- Excellent oral and written communication skills in both Albanian and English;
- Excellent organizations, selective and analytical skills required;
- Self-motivated and directed with strong analytical skills required;
- Ability to work under pressure with several tasks and various deadlines required;
- Have good communication skills and experience in relevant project activities.