Interreg

IPA ADRION

Co-funded by the European Union

GOTOTWIN

Open Call Guidelines

1. Introduction

The GOTOTWIN Open Call for Experiments 2026 is launched within the framework of the Interreg IPA ADRION project GOTOTWIN – Advancing Renewable Energy in the Adriatic-Ionian Region through the Use of Digital Twins. The project aims to support the green and digital transition of the Adriatic-Ionian region by promoting the adoption of innovative digital technologies that can accelerate the deployment, operation, and management of renewable energy systems. Renewable energy sources such as solar, wind, and hydropower play a central role in achieving European and national climate and energy objectives. However, the increasing complexity of modern energy systems requires advanced tools capable of supporting efficient planning, monitoring, operation, and decision-making.

Digital twin technologies have emerged as a promising approach for addressing these challenges by enabling the creation of virtual representations of physical assets, processes, and systems that can be continuously updated using real-world data. Through the development of digital twin solutions, renewable energy stakeholders can improve system performance, optimize resource utilization, support predictive analysis, and enhance the overall resilience and sustainability of energy infrastructures. At the same time, digital twins provide opportunities for experimentation, innovation, and collaboration among various actors involved in the renewable energy value chain.

The GOTOTWIN project brings together universities, research organizations, technology providers, renewable energy stakeholders, and innovation support organizations from across the Adriatic-Ionian region with the objective of advancing the practical application of digital twin technologies in renewable energy environments. By fostering cooperation between academia, industry, public authorities, and innovation ecosystems, the project seeks to facilitate knowledge transfer, strengthen regional capacities, and support the development of innovative solutions addressing current and future energy challenges. The Open Call for Experiments represents an important mechanism for engaging external stakeholders in the project ecosystem and broadening the impact of GOTOTWIN beyond the project consortium. Through this initiative, organizations from the ADRION region are invited to propose and implement experimental activities that explore the potential of digital twin technologies in renewable energy applications and contribute to the validation, demonstration, and further development of innovative concepts and solutions.

This document outlines the rules, eligibility requirements, application procedures, evaluation criteria, and participation conditions applicable to the GOTOTWIN Open Call for Experiments 2026. Applicants are encouraged to carefully review all sections of these guidelines before preparing and submitting their proposals.

2. Eligibility

The GOTOTWIN Open Call for Experiments is open to organizations established within the ADRION Programme area that are interested in exploring, validating, or demonstrating innovative applications of digital twin technologies in the renewable energy sector. Eligible applicants include, but are not limited to:

- Small and Medium Enterprises (SMEs) and startups developing products, services, or solutions related to renewable energy, digital technologies, data analytics, artificial intelligence, IoT, or energy management;

- Business Support Organisations (BSOs), innovation agencies, clusters, technology parks, and other entities supporting innovation and technology adoption;

- Renewable energy companies, energy service providers, utilities, and operators of renewable energy assets;

- Technology providers, software developers, engineering companies, and solution integrators working in fields relevant to digital twins and smart energy systems;

- Universities, research institutions, laboratories, and living labs engaged in research, development, testing, or demonstration activities related to renewable energy and digital technologies.

Applications may be submitted by a single organization or jointly by multiple organizations. In the case of collaborative applications, one organization shall act as the lead applicant and serve as the primary contact point for communication with the GOTOTWIN consortium. Applicants are expected to demonstrate a clear interest in renewable energy innovation and the capability to carry out the proposed experiment within the planned implementation period. They should possess the necessary technical expertise, human resources, and organizational capacity required to successfully design, implement, monitor, and report on the proposed experimental activities. Organizations involved in the experiments should also be willing to collaborate with the GOTOTWIN consortium, participate in knowledge-sharing activities, and contribute to the exchange of experiences and lessons learned throughout the experimentation process.

3. Participation and Support

The GOTOTWIN Open Call for Experiments is open to organizations established within the ADRION Programme area that are interested in exploring, validating, or demonstrating innovative applications of digital twin technologies in the renewable energy sector. Eligible applicants include, but are not limited to:

- Small and Medium Enterprises (SMEs) and startups developing products, services, or solutions related to renewable energy, digital technologies, data analytics, artificial intelligence, IoT, or energy management;
- Business Support Organisations (BSOs), innovation agencies, clusters, technology parks, and other entities supporting innovation and technology adoption;
- Renewable energy companies, energy service providers, utilities, and operators of renewable energy assets;
- Technology providers, software developers, engineering companies, and solution integrators working in fields relevant to digital twins and smart energy systems;
- Universities, research institutions, laboratories, and living labs engaged in research, development, testing, or demonstration activities related to renewable energy and digital technologies.

Applications may be submitted by a single organization or jointly by multiple organizations. In the case of collaborative applications, one organization shall act as the lead applicant and serve as the primary contact point for communication with the GOTOTWIN consortium. Applicants are expected to demonstrate a clear interest in renewable energy innovation and the capability to carry out the proposed experiment within the planned implementation period. They should possess the necessary technical expertise, human resources, and organizational capacity required to successfully design, implement, monitor, and report on the proposed experimental activities. Organizations involved in the experiments should also be willing to collaborate with the GOTOTWIN consortium, participate in knowledge-sharing activities, and contribute to the exchange of experiences and lessons learned throughout the experimentation process.

4. Selection and Evaluation

Proposals will be evaluated by a selection committee comprising experts from the GOTOTWIN consortium and external advisors.

The evaluation will consider the following criteria:

Criterion	Weight
Innovation Level	30%
Relevance to Digital Twins	25%
Renewable Energy Impact	20%
Feasibility	15%
Replicability and Scalability	10%

5. Data Access and Confidentiality

Selected participants will be granted access to relevant live and historical renewable energy datasets, digital twin platforms, and other resources necessary for conducting the approved experiments. Access to specific datasets and services will be provided based on the requirements of the proposed experiment and the availability of resources within the GOTOTWIN project. The provided data and resources may be used exclusively for the purposes described in the approved proposal and within the scope of the experimentation activities. Participants shall not distribute, publish, or share any non-public data with third parties without prior authorization from the GOTOTWIN consortium.

All participants must comply with applicable data protection, privacy, and confidentiality regulations, including any specific conditions communicated by the data providers. Where necessary, participants may be required to sign additional confidentiality or data access agreements prior to obtaining access to the relevant resources.

Results generated during the experiments may be used for project reporting, evaluation, and dissemination purposes. Any publicly disseminated results will, where appropriate, be anonymized, aggregated, or presented in a manner that protects confidential information and commercially sensitive data.

6. Intellectual Property

Participants retain ownership of any intellectual property, know-how, software, methodologies, or other results developed during the experiments. Participation in the GOTOTWIN Open Call does not affect the ownership rights of the participating organizations. To support project evaluation, communication, and dissemination activities, participants agree to provide information about the objectives, implementation, and outcomes of their experiments. GOTOTWIN reserves the right to analyse and publish aggregated or non-confidential results to promote the project's objectives and achievements.

Participants may be requested to grant GOTOTWIN non-exclusive rights to use selected results, descriptions, screenshots, visual materials, or success stories for demonstration, communication, and dissemination purposes, subject to prior agreement and without affecting the participants' ownership rights.

7. Reporting and Obligations

- Selected participants must submit an interim progress report halfway through the experimentation period.
- A final report must be submitted by 31 January 2027, detailing methods, findings, challenges and recommendations.
- Participants may be requested to present their results at a GOTOTWIN dissemination event or webinar.
- Participants must acknowledge the support of the GOTOTWIN project in any publications or presentations arising from the experiment.

8. Terms and Conditions

By submitting an application, participants agree to comply with the rules, procedures, and requirements outlined in these guidelines, as well as any additional instructions communicated by the GOTOTWIN consortium during the implementation of the Open Call and experimentation activities. GOTOTWIN reserves the right to modify the Open Call conditions, timeline, or implementation arrangements if necessary due to operational, technical, or organizational reasons. Any significant changes will be communicated to applicants and participants in a timely manner. Submission of a proposal implies acceptance of these terms and conditions, consent to the use of the provided information for evaluation and selection purposes, and commitment to participate in the agreed reporting, monitoring, and dissemination activities associated with the experiment.

9. Contact Information

For queries regarding the Open Call, please contact:
Mario Vrazic (GOTOTWIN representative)
Email: mario.vrazic@fer.unizg.hr
University of Zagreb, Faculty of Electrical Engineering and Computing
Zagreb, Croatia