



İSTANBUL PROJECT ACADEMY



MARMARA ÜNİVERSİTESİ
İNNOVASYON VE TEKNOLOJİ
TRANSFER UYGULAMA VE
ARAŞTIRMA MERKEZİ





Horizon Europe Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment Brokerage Event





Project Idea / Field of Expertise :

As fields of activities, we target ICT solutions in the following domains: smart agriculture, environmental protection, smart water irrigation management.

Organisation Name:

BEIA CONSULT INTERNATIONAL

Addressed Topic(s) & Call(s):

- Biodiversity and ecosystem services
- Fair, healthy and environment-friendly food systems from primary production to consumption
- Clean environment and zero pollution
- Land, ocean and water for climate action
- Innovative governance, environmental observations and digital solutions in support



❑ **BEIA** (SME) founded in 1991

- HQ: Austria, Belgium, Romania www.beia.eu

❑ **Expertise of the R&D Department:**

- BEIA is a R&D performing SME with focus on time critical Artificial Internet of Things (**AIoT**)
- **Team** with experience in
 - ✓ R&D service innovation (AI, Blockchain, Cloud, Big Data, quantum security)
 - ✓ hardware (sensors, actuators, IoT)
 - ✓ information technologies (data analytics, back end, interfaces, front end)
 - ✓ integration (software/hardware)
 - ✓ communication technologies (speech processing, ASR/TTS, NLP/NLU, sentiment analysis, emotional computing)
 - ✓ communication/ dissemination/marketing, project management
- Over 8000 commercial projects and over 100 R&D and Innovation projects regarding different development areas such as **Smart Agriculture, Smart Water Management, Climate Change, Smart City, Cyber Security and Digital Interactions**

BEIA Expertise

BEIA has implemented and integrated IoT telemetry applications in the field of:

- ✓ environment (monitoring of water, soil and air quality)
 - ✓ agriculture (disease alert for plants, urban farming)
 - ✓ efficient water management
 - ✓ irrigation management (including sensors for measuring soil moisture, monitor water quality)
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- **U-GARDEN** - Promoting capacity building and knowledge for the extension of urban gardens in European cities (ERA-Net ENUTC)
 - **SWAM** - Smart Water Management system for better environmental sustainability (Eureka E*)
 - **DISAVIT** - Development of an Intelligent decision support System for smart VITiculture (Eureka E*)
 - **NGI-UAV-AGRO** - Next Generation Internet based on 5G and UAV for precision agriculture (PED)
 - **TelMonAer** - Mobile system for telemonitoring air quality (POC-G NETIO)
 - **SmartAgro** - Telemetry system for intelligent agriculture (POC-G NETIO)
 - **iPREMAS** – Intelligent PREdictive Maintenance for Aquaculture Systems (ERA-NetMarTERA)
 - **IPSUS** - Climate smart food innovation using plant and seaweed proteins from upcycled sources (ERA-Net SUSFOOD2)
 - **FARMSUSTAINABI** - Enabling Smart Livestock Farming Technologies for Environmental Sustainability using Blockchain (ERA-Net ICT-AGRI)
 - **SA-TERRA** - Energy Efficient System for Automation and Telemetry for Resource Management in Precision Farming (Bridge)
 - **WATER-M** - Unified Intelligent WATER Management (ITEA)
 - **SARWS** - Real-time location aware road weather services composed from multi-modal data (Celtic labelled running)
 - **PIMEO AI** - Pollution Identification, Mapping, and Ecosystem Observation with AI-powered water quality USV (ERA-NetMarTERA)



Contact details



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THANK YOU !



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