

# ISTANBUL PROJECT ACADEMY





















#### **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:**

Addressed Topic(s) & Call(s):

#### BEIA CONSULT INTERNATIONAL

- Biodiversity and ecosystem services
- Fair, healthy and environment-friendly foo 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 CONSULT INTERNATIONAL

Beia

- ☐ BEIA (SME) founded in 1991
  - o 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**



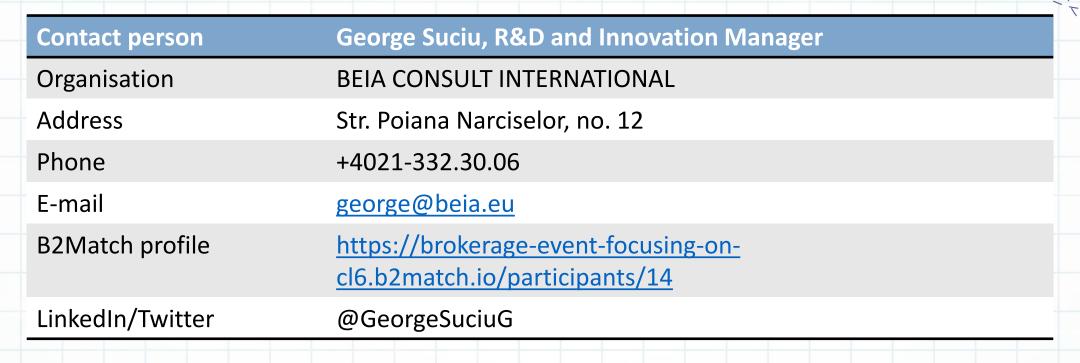
BEIA has implemented and integrated IoT telemetry applications in the field of:

- ✓ 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)
- 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



















# THANK YOU!















