

Secure Societies 2024: Horizon Europe Cluster 3 Brokerage Event in Istanbul Pitch Presentation Template

The IAM Project



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REPUBLIC OF TÜRKİYE
MINISTRY OF INDUSTRY
AND TECHNOLOGY



Business Support on Your Doorstep



The **I**ntegrated **A**utomation for Water Ecosystem **M**onitoring (**The IAM**) Project

Contact Details

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Proposal activity: BAUMIND plans to improve The IAM Project proposal toward the call [HORIZON-CL3-2024-DRS-01-03: Harmonised / Standard protocols for the implementation of alert and impact forecasting systems as well as transnational emergency management in the areas of high-impact weather / climatic and geological disasters](#)

Description of the BAUMIND

- BAUMIND is a spin-off company of Bahçeşehir University in the campus. For decade electro-optic, mechatronics and electronic innovations have been heavily practiced in our labs.
- Within the R&D projects funded by TÜBİTAK, Gov. and the University; BAUMIND has been working for applications for optical and electro-optical communication, acoustics, vibration detection and monitoring. With its intellectual collection, on-sale products and artefacts with high TRL; BAUMIND is ready for Horizon Europe Projects.
- Related to proposed Real-Time Water Quality Monitoring System BAUMIND bears much expertise about electronics, embedded SW development, sensor improvement and integration.

The IAM Project idea

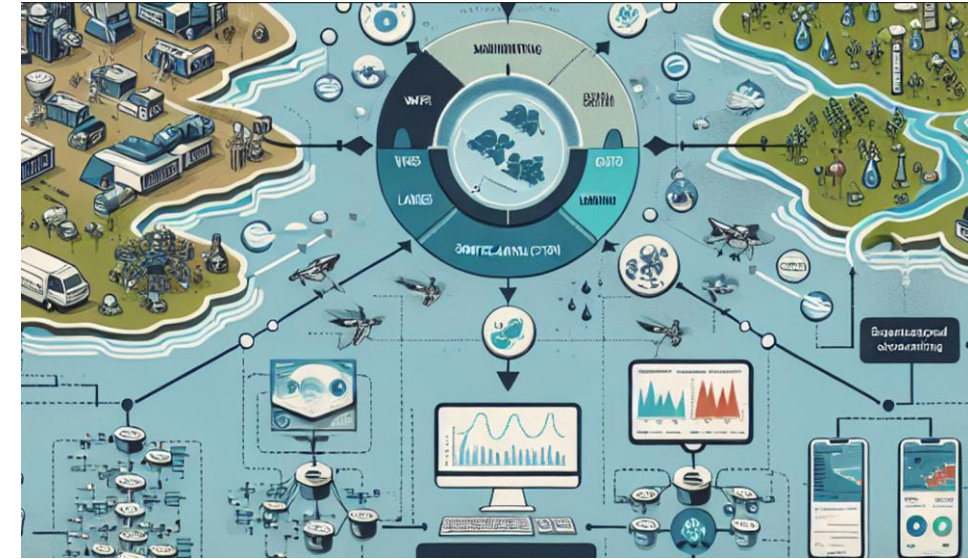
- *BAUMIND's Role in the project (coordinator / partner)*
- *Description of the proposed project idea*

Objectives:

- to ensure the long-term health and productivity of water ecosystems
- to support the responsible use of water resources
- to create developing a sustainable and integrated approach
- ...

Expected results:

- Improving the health and productivity of inland water, sea and marine ecosystems
- Sustainable use of water and marine resources
- Increasing the resilience of ecosystems against climate change and other environmental stress factors
- Increased awareness and support for sustainable ecosystem management among stakeholders
- Long-term protection of aquatic and marine ecosystems for future generations.
- ...



The IAM Project idea content

Ecosystem Monitoring and Evaluation System

Key Components:

- **Smart Buoy** → BAUMIND
HW + SW + Sensors + Scientific Artefacts
- Edge Computing
- Internet of Things (IoT) Integration
- Cloud Connectivity
- Data Analysis and Deep Learning
- Web and Mobile Services
- Public Safety Alarm System
- Executive Reporting Unit
- Integration to other systems
(i.e. systems for weather forecast, and satellite data processing)



Project participants

Existing Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01	Antalya Metropolitan Municipality	Public Cor.	Türkiye	Use Case Partner / Pilot
02	Las Naves Municipality - Valencia	Public Cor.	Spain	Use Case Partner / Pilot
03	Pro2Future	Ind.	Austria	Technology Developer
04	BAUMIND-Bahçeşehir University)	SME	Türkiye	Technology Developer
05	SIA Baltic Satellite Service	SME	Latvia	Technology Provider
06				
07				
08				
09				

Project participants

Consortium – required partners

No	Expertise	Type	Country	Role in the project
01	Biology	RTD		Scientific Research
02	Electronics	SME		Technology Developer
03	IoT / Comm.	SME		Technology Provider
04	IT / Cloud	SME		Technology Developer

Contact to Join



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