



eltic-Plus⁺

Smart Connected World

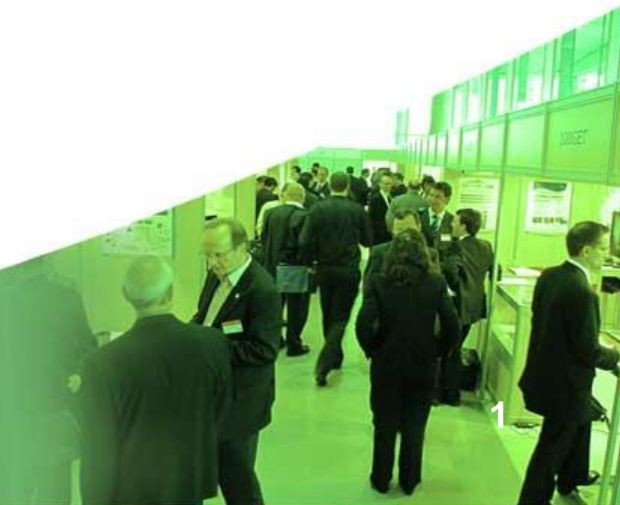


Celtic-Plus Proposers Day 29 June 2015, Orange, Issy les Moulineaux

Pitch of the Project Proposal

Tele-Monitoring System for Water and Underwater Environments using Cloud and Big Data Systems

*George Suciu – BEIA Consult
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- **What is the main benefit of the idea?**
 - real time visualization and analysis of risk factors for environment, public health and public safety
- **What makes the added value?**
 - the platform provides an interface that users can access anywhere, at any moment, via Internet
- **Why should I participate in the project?**
 - to participate into an innovative consortium in order to accelerate and implement new IoT, M2M-radiotelemetry solution

Organisation Profile

Company Name	Beia Consult International SRL
General Manager	George SUCIU
•Business Field	<ul style="list-style-type: none"> • Trading and distribution of telecommunications equipment, turn-key projects • National and EU R&D Projects
Team	Total: 40 employees ; 7 management personnel
Headquarters	12, Poiana Narciselor St., Sect.1, Bucharest 16, Peroni St., Sect. 4, Bucharest
Tel / Fax	Tel: +40 21 332 3005 Fax: +40 21 332 3006
Home Page	www.beia.ro ; www.beiaro.eu
Certification	ISO 9002/2000; ISO 14001; ISO 27000
Established	1991

- **Objectives:**

- to develop a tele-monitoring system that integrates an water and underwater network with different sensors connected to a cloud platform that can offer real time information
- to advance the technology for M2M communications in water and underwater environments, especially where no GSM coverage is available
- to solve the constrains produced by the water environments, caused by the specific channel propagation and harsh operating conditions must be taken into account

- **Expected results:**
 - Tele-Monitoring system for water and underwater environments using Cloud and Big Data systems
- **What is the market relevance?**
 - accidental water pollutions
 - water hydro-plants
 - public safety
- **What is the innovation?**
 - wireless communication in the water and underwater environments
 - real time visualization of the water and underwater events
- **What is the business impact?**
 - reduced costs and risks through cloud
 - integration of existing systems
 - new applications

- **Partners involved**

- BEIA Consult International / SME / Romania / Development, integration and proof-of-concept prototyping work
- UPB (University Politehnica of Bucharest) / UNI / Romania / Development and research of models and techniques for communication components

- **Missing partners / expertise**

- High radiation environment expertise / IND, RES, UNI, SME / ANY country / Design and development of environmental monitoring and risk management application
- Water and underwater communication expertise / IND, RES, UNI, SME / ANY country / Design and development of ultra-low power protocols for wireless under-water communication
- Sensors expertise / IND, RES, UNI, SME / ANY country / Design and development of micro- and miniaturized sensor systems

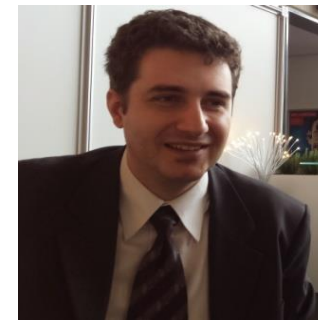
Contact Info

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