

**Title of project: STAR FOR EVERYONE IN ESA FRAME PROGRAM**

**CDI for Space Technology and Advanced Research Program STAR**

**Priority: INFRASTRUCTURE**

**Key intervention: S2 SUPPORT**

**Contract: 113/2016**

**Period: 2016-2018 (18 months)**

**Project manager: Ph.D. GABRIELA IOSIF**

**Consortium**

Coordinator: ICPE-CA

Partner 1: INCAS

Partner 2: BEIA INTERNATIONAL

**Total value: 4.990.360 lei**

**Contribution of partners: 506.251 lei**

**Aria: NATIONAL/INTERNATIONAL**

**Overall objective of the project:** to increase the capacity of research and industrial entities in Romania to participate in programs to integrate ESA science, technology and space applications through the specific objectives:

1. Creation of a framework for developing partnerships between research and industry in fields such as space, air, soil, subsoil, water;
2. Developing an IT platform for concurrent engineering which will provide systems integration of data from ESA;
3. Promoting applications based on satellite telecommunications and Earth observation (satellite data);
4. Creation of a database which will contain centralized information from different domains;
5. To manage and connect scientific knowledge acquired in the STAR programme with ESA informatics systems.

**Main activities:**

1. Study on the current state of information available in the field of design and concurrent engineering solutions;
2. Study on the current search engines for private databases and platforms/ knowledge technologies;
3. Analyse technical requirements and architectural design for design the platform;
4. Define and development of technical requirements for platform and related components;
5. Development hardware and software architecture for the platform;
6. Population and configuration of the database with scientific information;
7. Testing and experimentation of concurrent engineering platform.

**Results:**

IT platform for developing and implementing the concept of concurrent engineering that will ensure the integration of data from ESA;

Framework for the development of partnerships between research and industry.

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