

## **Advanced Coordination Center Information Technologies & Applications for Border Surveillance**

ACRONYM : **ACRITAS**

The ACRITAS project aspires develop an integrated and common border management system, applied to land and sea border control. It will provide rapid deployment to harsh and isolated environments providing multifunctional surveillance capabilities, intelligent data products and innovative services to regional and national authorities. ACRITAS could function as a stand-alone fully functional regional command and control (RCC) centre and/or in cooperation with the National coordination centre (NCC).

The ACRITAS solution is designed to incorporate functionalities and operational features of a regional mobile command and control centre providing common situational picture (CSP) and incident management applications to multiple agencies. Another unique feature is the ability to operate both on land and maritime missions, building upon the integration of on-demand sensors (electro-optics, radars, CBRN, acoustic etc) operated in real time. The system will be fully modular combining the advantages of mobility (C&C Centre, Mini- UAVs) and transportability for high operational value areas deployment. This is in contrast to the conventional Border Guard concept where fixed facilities installed along the entire length of the border, requiring huge infrastructure expenses and a large number of operators.

Other specific objectives include:

1. Actively involve the end users in all stages of the project
2. A solution adaptable to local geographical requirements: border length and complex topography,
3. Manage collected data following tactical / strategic requirements of Border Security operations,
4. Provide a mobile command and control solution equipped with advanced telecoms,
5. Collect and process data from existing heterogeneous data sources (radars, electro-optical, CBRN sensors, etc.) mounted on UAVs and ground stations and operated by multiple federal agencies
6. Integrate data from existing land and maritime surveillance systems and earth observing products by using state-of-the-art fusion techniques and developing innovative algorithms
7. Provide an advanced solution for common situational picture and incident management allowing for the maximization of the operational capabilities of units deployed in the remotest areas of Greece,
8. Provide field tests of the derived products in a land and maritime scenario.

Keywords

ACRITAS, intelligent data products, RCC centre, CSP, on-demand sensors