

IG - Azerbaijan



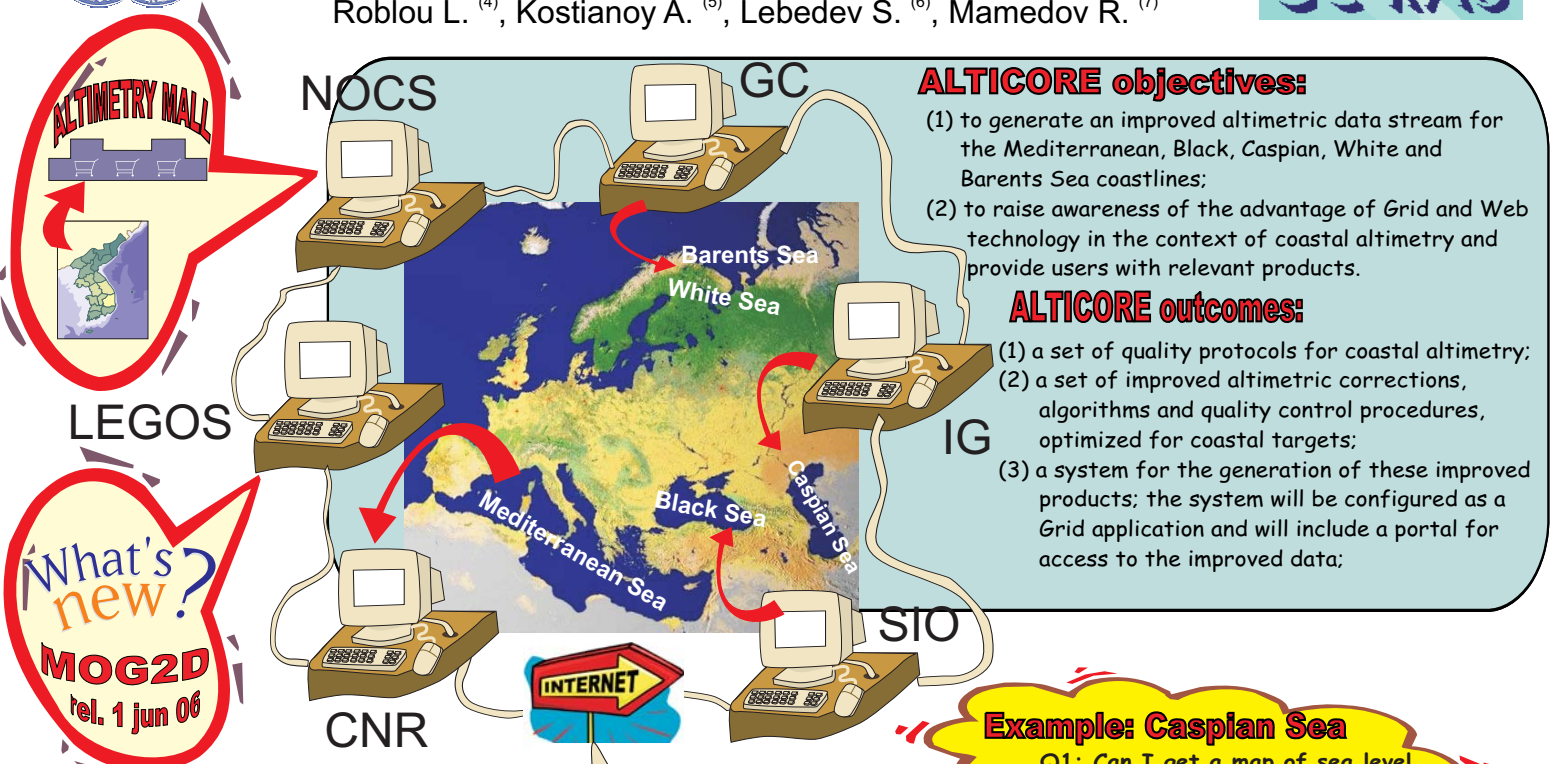
An initiative for coastal altimetry

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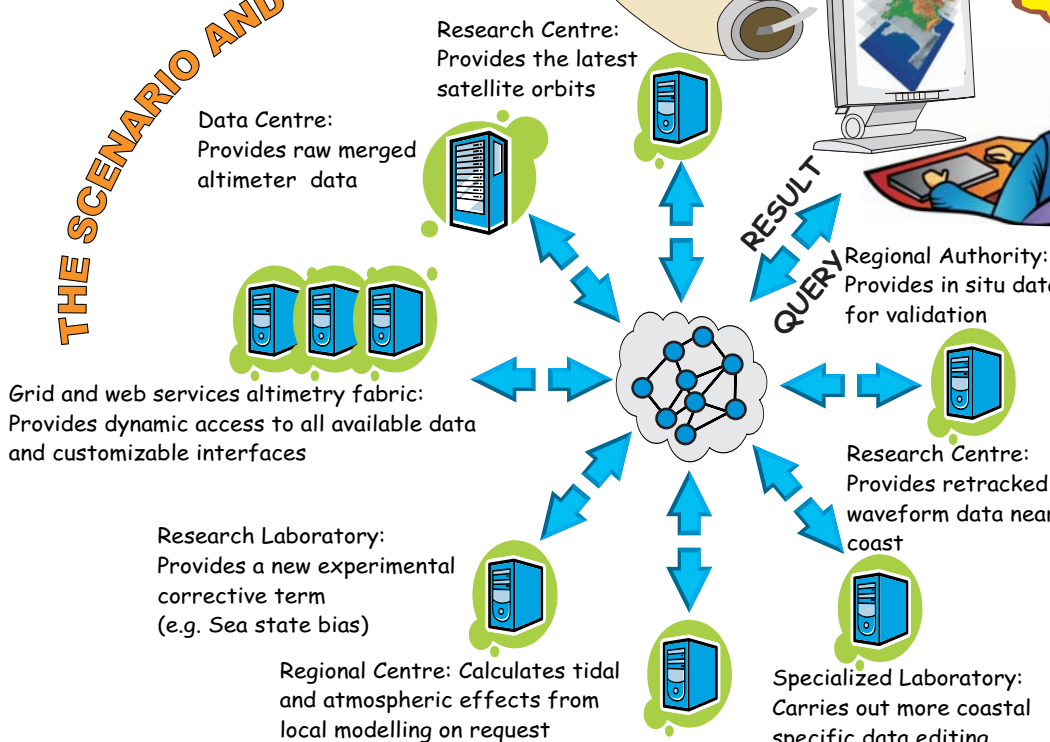
ALTIMICORE objectives:

- (1) to generate an improved altimetric data stream for the Mediterranean, Black, Caspian, White and Barents Sea coastlines;
- (2) to raise awareness of the advantage of Grid and Web technology in the context of coastal altimetry and provide users with relevant products.

ALTIMICORE outcomes:

- (1) a set of quality protocols for coastal altimetry;
- (2) a set of improved altimetric corrections, algorithms and quality control procedures, optimized for coastal targets;
- (3) a system for the generation of these improved products; the system will be configured as a Grid application and will include a portal for access to the improved data;

THE SCENARIO AND THE ACTORS



OUR VISION FOR A WEB OF LINKED DATA AND SOFTWARE FOR COASTAL ALTIMETRY

Altimeter data require a complex sequence of processing steps to get usable information

Today

- Datasets dispersed geographically
- Access to relevant data not easy
- Continuous system upgrading necessary
- Validation data often missing
- Issues of data format etc. etc..

A collection of medieval enclaves

Tomorrow

- Altimetry mall open 24/7
- Updated information in a click
- See it the way you want to
- Easily manipulate it

A web of trust

THE COASTAL ALTIMETRY CHALLENGE

Altimetric data recovery in coastal areas is poorly developed, owing to several specific difficulties, ranging from the reduced intrinsic quality of altimeter data (e.g., bad returned waveforms) to the inaccuracy of corrections (e.g., tides, atmospheric effects). In order to meet the stringent accuracy requirements for operational monitoring of coastal and marginal seas, **a dedicated scheme for processing of coastal altimeter data is needed.**

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ALTIMICORE

Value added satellite
ALTImetry
 for
COASTAL REgions