

Promote the

"INTELLEAGENT BALTIC SEA"

initiative :

creating a sustainable ICT-based system embracing the whole spectrum of activities from observations to presenting refined products, services and headline information, for a range of users including the management actions.

Such a system would:

- integrate observations and models to covering relevant temporal and spatial scales;
- bridge observations and management providing reliable assessment and future scenarios;
- simplify and streamline the Baltic Sea information systems;
- provide automatic update of information;
- encourage the use of multi-platform approaches and combined strategies

The first crucial steps:

- ✓ Definition of the goals;
- ✓ Definition of “owners” of the system and potential users of data at various levels;
- ✓ Definition of data transfer/flows;
- ✓ Creating and ratification of routines securing free sharing of data, emergence of combined, open, and accessible data-bases;
- ✓ Strong support to cooperation between ICT, Environmental, Climate and Data Acquisition experts.

EXAMPLES OF MORE SPECIFIC R&D TOPICS WOULD INCLUDE *e.g.*:

Developing tools and protocols to secure that the system is conscious, scalable, failure-resistant and multipurpose.

Developing methods to integrate data and analysis systems using ICT.

Coordinating and integrating actions to improve remote sensing reliability and coverage of the Baltic area.

Developing new and emerging technologies for in situ monitoring of the Baltic Sea,

Creating affordable broadband satellite communication channels to R/Vs.

Developing a 3-D image recognition software with learning capability (for automated treatment of biological samples).