

Coastal Breakout Group 1

SUMMARY

Requirements

- Observations
 - Satellite
 - In situ
 - levels of “truth”?
 - Modeling
 - Prediction
 - Sensitivity studies
 - Scenarios
 - Feedback for improving water quality (adaptive management)

Requirements

- Differ between developed countries with existing monitoring programs and developing countries

Gaps

- Engagement of users from developing countries
- Scope of algorithms
- Definitions (and provision) of accuracy metrics
- Decision support tree/ensemble framework for algorithm selection

Priorities

- Developing countries
 - International cooperation important
 - Democratic access to earth observation data
 - Funding request from a developing country gains more traction?
 - Link with existing GEO capacity building activities (e.g., GEONET CAST)
- Decision support (guidance & tools)
- Advocating Earth Observations
 - Strengthen international cooperation
 - Ease access to remote sensing data
 - Promotion, demonstration and training
 - At next GEO meeting we should aim for greater participation from developing countries
- Building on existing & planned services
 - Need knowledge of existing services
- Accuracy together with science
- Water quantity /scarcity

Service Models

- Example weather forecast
 - different service providers, from public international down to small private meteo data provicers
 - different levels of developments across the world (differently in Europe/US, India, Africa, ...)
- Different approaches possible
 - 1) build on existing/planned coastal services at national/international level and work towards connecting them, interoperability.
 - 2) start bottom-up and start at personal level (citizen observatory)
- Computing infrastracuture
 - can be in place everywhere but needs to be coordinated
 - important for countries that have poor technical possibilities, difficulties to access large satellite data sets
- Products – Indicators
 - quantitative – developing countries
 - qualitative – to start with

Problems

- Cooperation
 - International
 - Suggestion: can the UN play a stronger facilitative role?
 - Institutional
 - Security
 - Access to technology
 - Energy
 - Computers
 - Bandwidth