

WQ Inland water group 1

Start discussion from the end:

1) Knowledge/decision making tools & information services

Requirements:

Different due to use cases – look from different use cases.

- a) Agencies: Legal requirements – directive driven
- b) Economy: Information for local economy demands (aquacultures, dams, ...)
- c) Private users (human health, bathing, drinking waters ...)
- d) Commitments in the context of international conventions/development

Gap / In general: Assimilation of EO services with modelling always required.

WQ Inland water group 1.2

Gap / In general: Assimilation of EO services with modelling always required.

- **2. Products / Indicators:** What we can do (global valid products and services),
 - a) **STANDARDIZATION** & validation / long-term ... (required on multi-missions)
Intermediate products: Reflectances, scattering and absorption spectra
Chlorophyll, Cyanobacteria, TSS turbidity, temperature, CDOM, organic absorption
 - b) **Adapted** products and services for different water users needs
- **3. Information services:**
Service elements should include:
 - > Integration: EO products, modelling, in-situ.
 - > Information aggregation, time series from archived data, for env. Impact analysis, supporting policies
 - > Access and analysis platforms ...

Capacity building: e.g. Africa, EU,

WQ Inland water group 1.3

Gap / In general: Assimilation of EO services with modelling always required.

- What we can do (global valid products and services),
 - Intermediate products: Reflectances, scattering and absorption spectra
 - Core parameters: Chlorophyll, Cyanobacteria, TSS turbidity, temperature, CDOM, organic absorption
 - Adapted products and services for different water users needs
 - How we can create take up of EO supplemented information services:
 - GAPS:
 - > Capacity building
 - > Assimilation: EO products, modelling, in-situ
 - >
- 2) Products discussion:
- a) Human health, algae blooms, bacteria:
 - b) Non-developed countries