

Water-ForCE project

Water scenarios For Copernicus Exploitation

The overarching objective:

- ❖ Develop the next **Roadmap for Copernicus Inland Water Services**

Addressing:

- ❖ Disconnects between remote sensing and in situ observation research

Deliver:

- ❖ Clarity in terms of the **needs and expectations** of the public and private sectors of the **core Copernicus** mission and the wider research and **business innovation opportunities**



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Institute of Communication & Computer Systems



Stichten IHE Delft, Stichten Dotspace, Water



Insight

Water-ForCE Approach

Analyze

- ❖ **EU policies** to identify where the Copernicus services can improve monitoring programs
- ❖ Where Copernicus data can deliver for the **next versions of the directives.**
- ❖ Specify the requirements for **future Copernicus missions**

Optimize

- ❖ Future exploitation for inland water monitoring and research,
- ❖ **Service portfolio** and improve the performance of current services
- ❖ distinction between **core Copernicus services** and the **innovation** opportunities - bespoke services

Copernicus framework

- Land Monitoring Service (CLMS)
- Emergency Management Service (EMS)
- Climate Change Service (C3S)
- Marine Environment Monitoring Service (CMEMS)
- Atmosphere (CAMS)
- Copernicus *In Situ* Component (CIS)

Water-ForCE Approach

Facilitate:

- ❖ improvement of the Copernicus portfolio (satellite and *in situ*) to provide more accurate **high-level (e.g. biogeochemical) products** for inland water services
- ❖ **closer cooperation** between *in situ* and remote sensing scientists in the context of a common dialogue between researchers and water managers
- ❖ Co-Development of the next **Roadmap for Copernicus Inland Water Services**

