



Forum Utilisateurs C3S
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Copernicus Climate Change Service (C3S): The genesis

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The Copernicus Climate Change Service: at the time of GMES (1)

EU Regulation (911/2010) specifies that “**access to information for climate change monitoring in support of mitigation and adaptation policies**” shall be included in the GMES service component.

A Climate Change service must be consistent with GFCS and GCOS initiatives:

- **Monitor** the climate system
- **Detect** and **attribute** climate change
- Provide information to **assess** impacts of, and **support** adaptation to climate variability & change



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The Copernicus Climate Change Service: at the time of GMES (2)

- **consultation process** involving climate experts, relevant DGs and major European (climate-involved) institutions, the 'Helsinki GMES climate' conference (Jul 2011) and the **GMES user forum** (Nov 2011).
- The 6th FP7 space call for 2013 has prioritized developments relevant for a Climate Change service

EC funding: 26 M€

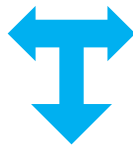


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The Copernicus Climate Change Service: at the time of GMES (3)

from European commission
e.g., FP7 Space call

from other bodies e.g., MS,
ESA, Eumetsat, EEA, WMO..



Climate Data Store

Sectorial Information System

Climate-ADAPT platform

Selected information
for customer DGs

MS & other customers

Evaluation platform

Outreach platform



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What are the benefits of implementing an operational service?

- Consolidate, promote and add credibility to the research findings.
- Societal and industrial challenges to mitigate and adapt to CC are huge: they have better chance to be acknowledged if based on authoritative information delivered by public services.
- Provides a long term perspective with a sustained funding: positive impact on the science, the operating structures and the downstream sector.
- Analogy with operational Weather Forecast services.