

Fourth International Conference on Climate Services, Montevideo, Uruguay, Dec. 10-12, 2014

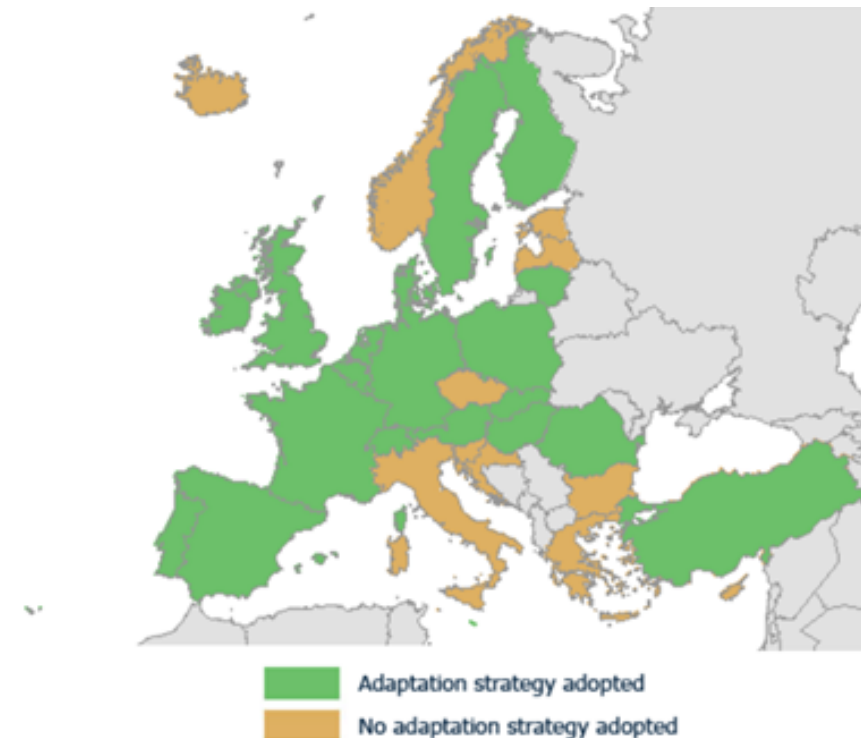
Climate Services in Europe

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Europe: The need to adapt to climate change

- In 2005, it was considered necessary by the **EU to adapt to unavoidable climate change**
 - In 2013, an **EU Adaptation Strategy Package was presented**, aiming at the development of national adaptation policies in all EU member states.
 - Currently, a national adaptation policy is available for **18 countries**.
- ⇒ **Climate-ADAPT** (European Climate Adaptation Platform)
climate-adapt.eea.europa.eu



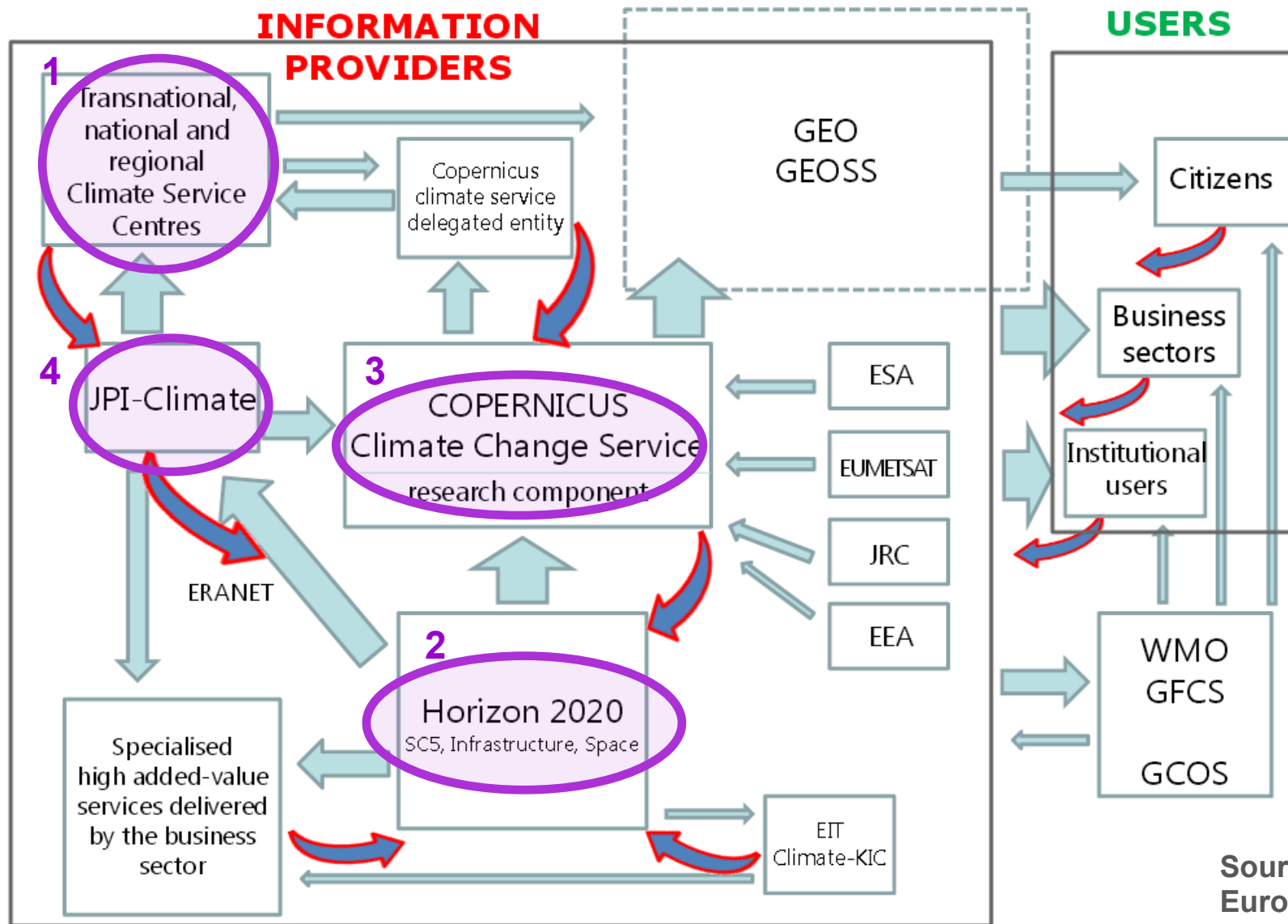
Europe: The need to adapt to climate change

2009 – 2014: Response of scientific community and governments

- Establishment of different models of **Climate Service Institutions** in Europe (and worldwide ...)
- Support by several European **Funding Programmes**

The European landscape regarding the existing funding programmes, main initiatives, actors and networks is complex ...

Europe: Climate Service Landscape



Source: A. Kentarchos, European Commission

European Landscape: **Climate Service Centres (1)**

In the last years, the Climate Service Community in Europe grew rapidly.

- **Spatial approach:** Local / National / Regional / Global
- **Institutional organization:** Research organizations (non-university) / National Meteorological Services / Universities / Companies
- **Dissemination:** Providing information through specific publications, lectures and conferences / Information upon request / Educational programmes, capacity building and consultancy / Internet-based dissemination
 - **Research Organizations: 22**
 - **National Hydrometeorological Services: 18**
 - **Universities: 15**
 - **Collaborative (Research) Networks: 12**
 - **Governmental Agencies: 2**
 - **Enterprise: 1**
 - **Others: 3**

(from: ECLISE



Report)

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European Landscape: EU Framework Programme (2)

Development of new end-to-end climate services

⇒ one of the core priorities of **EU 7th Framework Programme**, e.g.

- *ECLISE* (develop regional / local CS and demonstrate their utility in support of adaptation)
- *CLIM-RUN* (develop new methodologies for climate services with prototype activities)
- *EUPORIAS* (develop reliable climate impact prediction systems, focusing on high-risk event)

More **programmes** are, e.g.

- *Climate Adapt*, supported by European Environmental Agency
- *Climate-KIC*, the EU's main climate innovation initiative
- The strategic cooperation initiatives with Member States (*e.g. JPI-Climate*)

European Landscape: **EU Framework Programme (2)**

New framework programme **HORIZON 2020 (2014 - 2020)**

- The EU has identified the field of **Climate Services** as one of its new **flagship initiatives**.

⇒ **Also Horizon 2020 opens several prospects for European climate services**

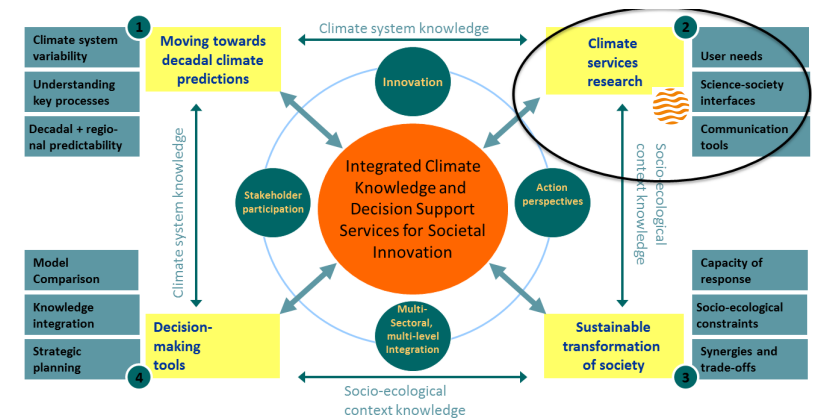
European Landscape: Copernicus (3) JPI Climate (4)

Copernicus - The European Earth Observation Programme

- Major initiative delivering climate data to governmental and scientific users in Europe
- Large emphasis on observations

JPI Climate - A collaboration between 14 European countries

- Joint coordination of climate research
- Focus on interconnected research themes: Among others: **climate service development**



European Climate Service Partnership (ECSP)

- **Informal network** of active climate services across Europe (incl. users, researchers, developers, providers, funders)
- **provides a forum** for discussions, sharing, learning, promotion of good practices
- **facilitates initiatives** to share knowledge and resources, and develop joint products, methodologies and standards
- Closely aligned to the **CSP**



Launched in May 2014 in Hamburg, Climate Service Center 2.0 . About 60 representatives of Climate Services and the EU Commission attended the meeting.

ESCP is co-chaired by Guy Brasseur and Chris Hewitt.

Summary & Conclusions

- Currently, a national adaptation policy is available for 18 EEA (European Economic Area) countries.
- A large number of very different types of Climate Services in Europe exist.
- This diversity will remain in the future, the landscape is complex.
- Some coherence in the European system is therefore necessary.
- There is a need for stronger partnership.
- ECSP represents a forum for discussions, sharing, learning, promotion of good practices (similar to CSP).
- Major challenge: Develop a European system of climate services that recognizes the role of (sub)national climate service activities.

THANK YOU.