

Partnerships

Member State benefits

1. Through implementing international entities ESA, ECMWF, EUMETSAT

- Intergovernmental organisations
- Diverse national ministry representation
- Associated public/private user communities
- Licensing & data policy
- International data standards and governance

2. Through DestinE procurements

- ECMWF: Engine (DET), Climate DT, Extremes D
- ESA: Core service platform (DESP)
- EUMETSAT: Data lake (DEDL)

3. Through DestinE partnership programme

- Copernicus services
- DestinE specific use case on-boarding
- Science-technology programmes
- DG DEFIS/RTD/JRC involvement



Horizon **Europe**

PROGRAMME (2021 - 2027)



















News Newsletter

Events



Copernicus Services

Copernicus services address six main thematic areas:









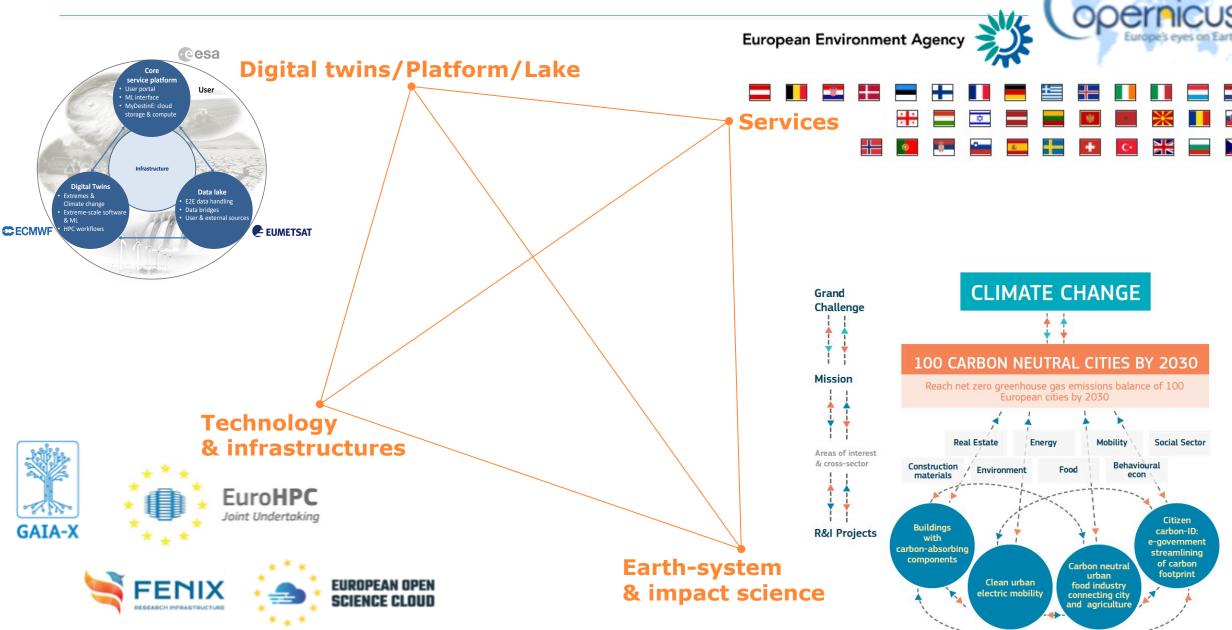






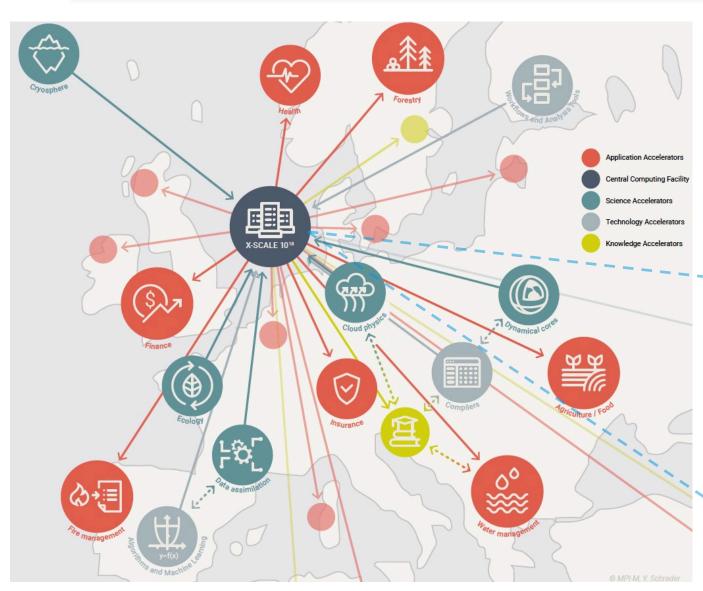


Challenge no. 1: creating synergy across programmes

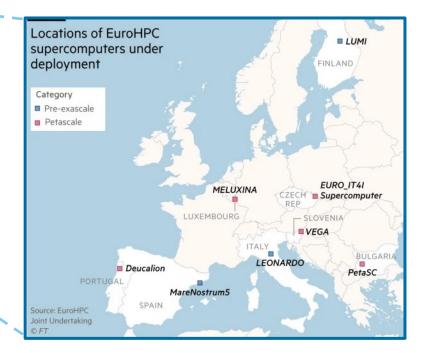


Challenge no. 2: resource management

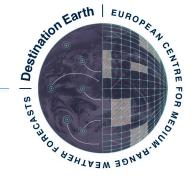




Courtesy B. Stevens, MPI Hamburg



'Terms of reference'



1. Partnership process that:

- a. is open, inclusive and dynamic prioritise
- b. creates **synergies** with existing science/technology/service ecosystems
- c. creates new DestinE capabilities early, and promotes uptake

2. Partnership as bridge between:

- a. science and technology: step-change in ambition
- **b.** capability and service provision: step-change in innovation

3. Partnership to help implement European policies:

- a. Green Deal and Missions
- b. Digital Strategy, data spaces, distributed infrastructures & resources
- c. public and private **stakeholders**

Turning terms into practice



... process ... bridge ... policies ...

3 levels of co-design, creating a continuous innovation cycle throughout DestinE:

- A. technical co-design between applications and DestinE:
 - ... where technical application components need to sit close to digital twin production workflow, DEDL and DESP
- B. individual application co-design:
 - ... where specific user requirements are well defined, not covered by existing providers and potential solutions can be demonstrated
- C. strategic dialogue with established communities, providers and stakeholders:
 ... where gaps need to be identified/prioritised, individual/joint solutions be developed, future integration in evolving ecosystem be defined
- → **partnerships** build up community collaboration for all 3 levels of co-design
- → each level can trigger **use cases**, needed for demonstrating benefits and verifying functionality

Building on ...

- Earth EUROPEAN CENTRE FOR WE
- DG CNECT preparatory activities (DestinE engagement workshops, JRC survey)
- Horizon Europe Missions, research and innovation actions
- Copernicus and national hydro-meteorological services
- Earth-system and impact science, Earth observation communities
- Emerging Digital Twin communities (DTO, BioDT, InterTwin, GeoDT etc.)
- EuroHPC Joint Undertaking and partners (ETP4HPC, BDVA, etc.)
- Centres of Excellence and digital infrastructure research and innovation actions
- Technology providers (Atos, NVIDIA, etc.)
- Software and Cloud services providers
- International agencies (EEA, UNEP, WMO, etc.)
- Standards (OGC etc.)
- etc.



Q&A