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Earth Observation and AI



Turning data
into intelligence

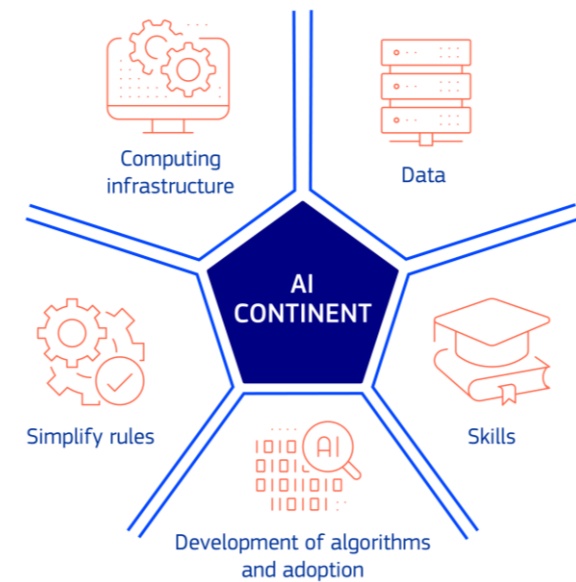
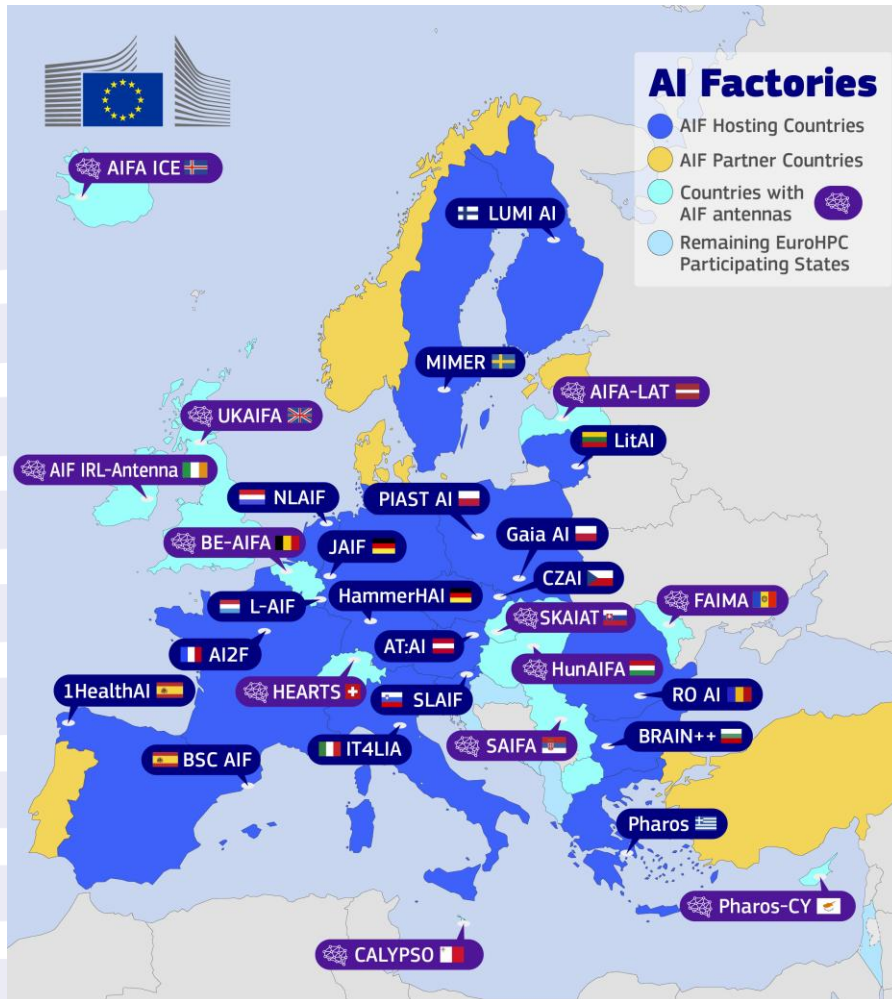
Ambition: become the AI continent

- Building the full chain and connecting all elements

How? AI Factories AI Gigafactories

- Scale infrastructure, new ecosystems for applied AI to connect it with talent, data, applications and industry

AI Continent



AI Factories

- 19 in 16 Member States
- Compute, services, expertise and fast-track access for start-ups, SMEs and researchers

AI Gigafactories

- Large-scale public-private investments in sovereign AI development, capacity to train advanced models, incl. weather, climate and Earth system science

A European Loop

combining infrastructure with Earth Observations
and Destination Earth

- European data
- Processed on European infrastructure
- Feeding European models
- And deployed by European companies



- Destination Earth fully operational 2028
- Twin components for extreme events and climate adaptations
- Stimulate extreme weather events at high resolutions
- Replay major events under future climate conditions



Potential - Earth Observation commercial sector



Copernicus

**Destination
Earth**

AI Factories