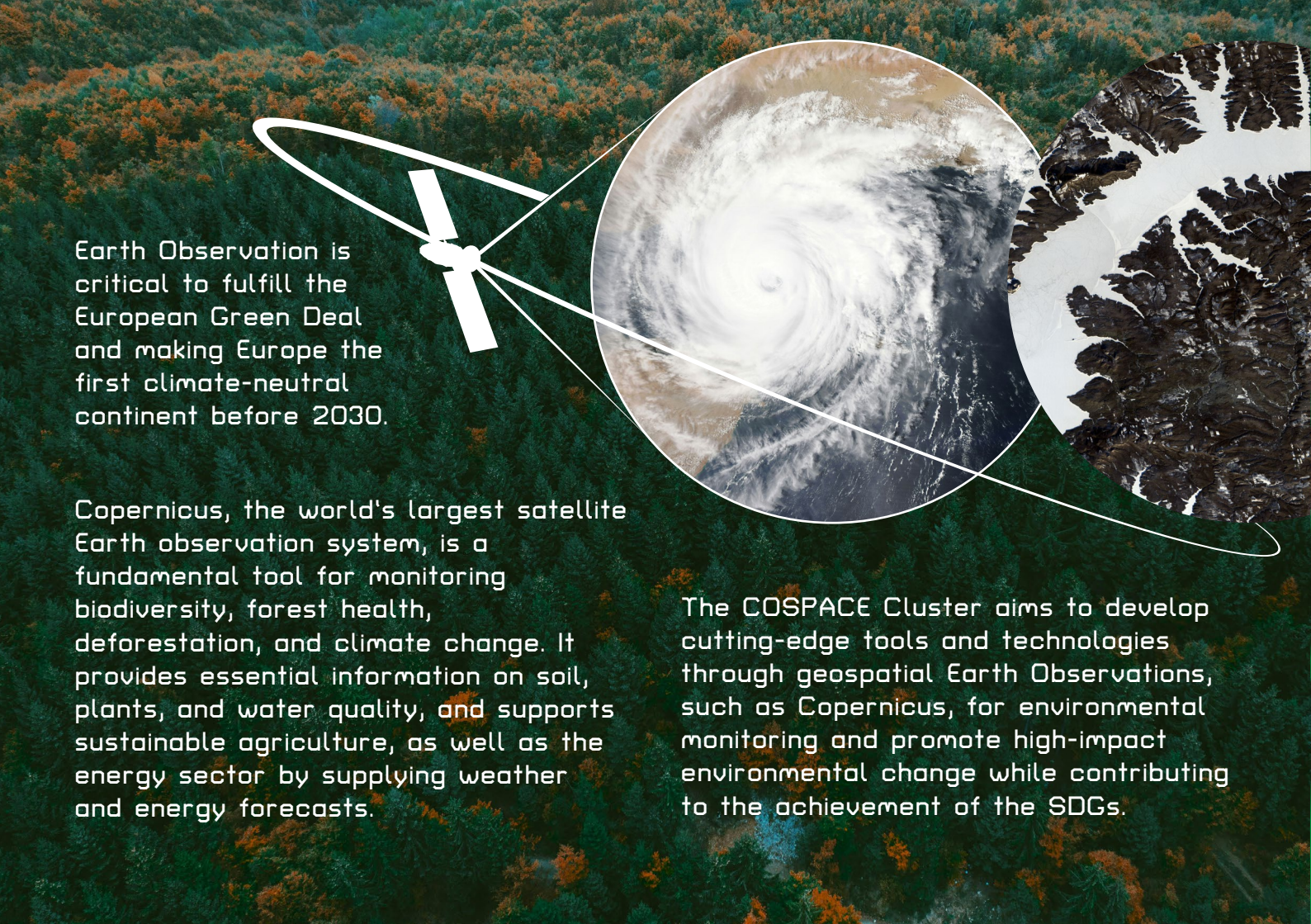




C SPACE

Collaborative Organization of remote Sensing
and Practical Applications for Clustering
Exploitation



Earth Observation is critical to fulfill the European Green Deal and making Europe the first climate-neutral continent before 2030.

Copernicus, the world's largest satellite Earth observation system, is a fundamental tool for monitoring biodiversity, forest health, deforestation, and climate change. It provides essential information on soil, plants, and water quality, and supports sustainable agriculture, as well as the energy sector by supplying weather and energy forecasts.

The COSPACE Cluster aims to develop cutting-edge tools and technologies through geospatial Earth Observations, such as Copernicus, for environmental monitoring and promote high-impact environmental change while contributing to the achievement of the SDGs.



The main solutions are:

- The MAGDA toolchain for atmospheric monitoring, weather forecasting, and hydrological modelling
- The RESPONDENT complete solution suite for advanced power generation forecasting, power demand forecasting, and grid monitoring
- SWIFTT Platform to prevent, estimate and mitigate the impact of windthrow, insect outbreaks, and wildfires in European forests
- 100kTrees toolbox showing environmental impacts of tree planting and simulation of what-if scenarios in urban areas
- BUILDSPACE core platform and five services that act as decision support tools to enhance building and urban resilience, including: Digital twins, Building Environment Climate Scenarios, Urban heat analysis, Urban flood resilience

Discover how COSPACE enhances
climate resilience and sustainability!



respondent-project.eu | euspa.europa.eu | 100ktrees.eu
swiftt.eu | magdaproject.eu | buildspaceproject.eu

C O S P A C E

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