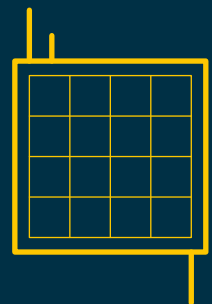
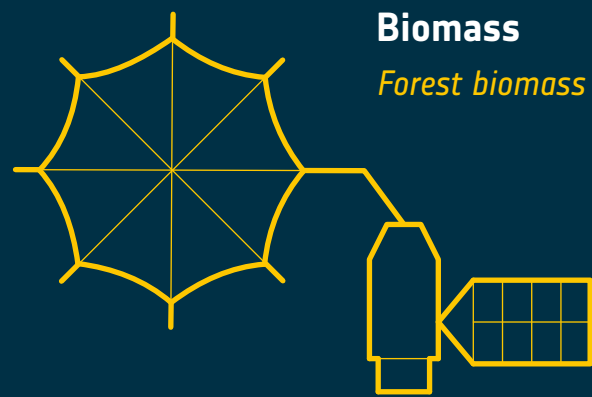


Many of ESA's satellites are used to monitor changes to the material that covers Earth's surface, so-called land cover, such as vegetation and water



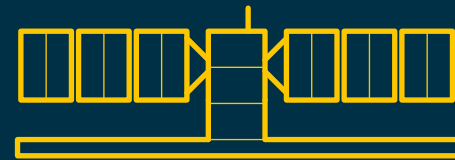
**PROBA-V**

*Cropland  
Shrubland  
Wetland*



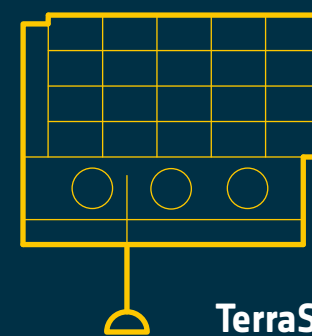
**Biomass**

*Forest biomass*



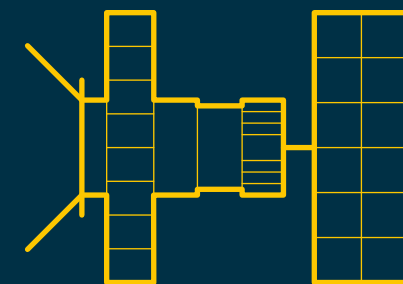
**COSMO - SkyMed Second Generation**

*Cartography and Forest protection*



**TerraSAR-x**

*Cartography and  
Forest protection*

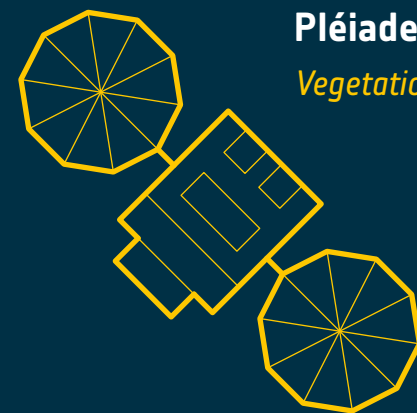
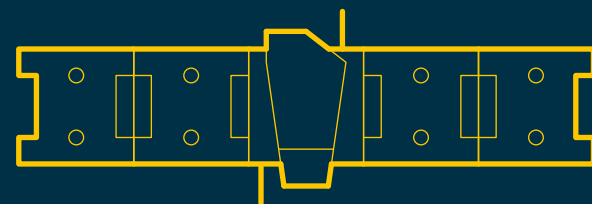


**ERS**

*Land cover types*

**Fluorescence Explorer (FLEX)**

*Plant Photosynthesis*

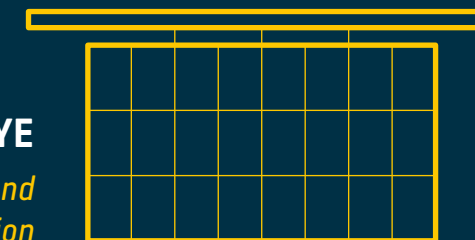


**Pléiades Neo**

*Vegetation health*

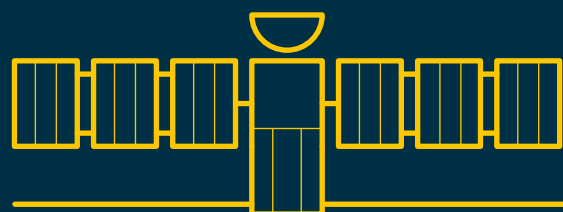
**ICEYE**

*Cartography and  
Forest protection*



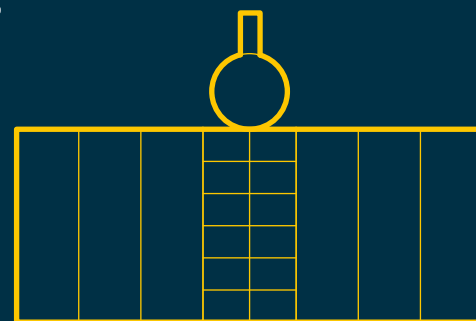
**Envisat**

*Land cover types*



**Soil Moisture and Ocean Salinity (SMOS)**

*Soil Moisture*



**PlanetScope**

*Vegetation health*

Data from the agency's Heritage, Earth Explorer, and Third Party missions - accessible for free for research and scientific applications - contribute to monitoring Earth's changing land surface and help accelerate efforts to tackle the scientific challenges of the climate crisis.

Discover available data offered for land surface applications by browsing our data collections:  
<https://earth.esa.int/eogateway/catalog>