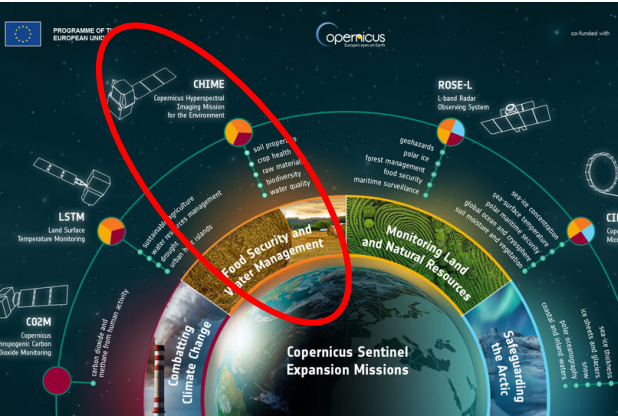
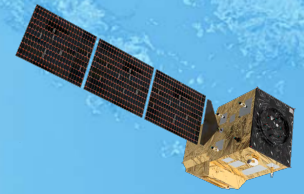


# CHIME – I2b Cal/Val activities

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THEMATIC AREA	VARIABLES CHPPP
<p>Assessment of biophysical and biochemical variables related to the crops and of agronomic interest</p>	Leaf/Canopy Pigment Content
	Leaf/Canopy Nitrogen Content
	LAI
	Canopy Water Content
<p>Topsoil properties</p>	Leaf/Canopy Pigment Content
	Leaf Mass/Area
<p>Raw material detection</p>	Soil organic carbon content
	Soil texture (clay, silt, sand)
	Mineral identification and abundances (Kaolinite, Smectite, Jarosite, Dolomite)
	Hematite-goethite ratio
	Ferric oxide contents
	Kaolin Crystallinity

## CHIME L2 Algorithm and Processor Prototyping and Development project

### Vegetation

- Leaf Nitrogen Content
- Leaf Water Content
- Leaf Mass per Area
- Leaf Area Index
- Canopy Nitrogen Content
- Canopy Water Content

### Soil

- Soil Organic Carbon content

### Mineralogy

- Kaolinite abundance

## Validation phases

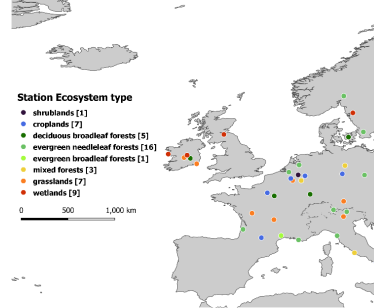
### Mission status

- **preflight**
- commissioning
- operational

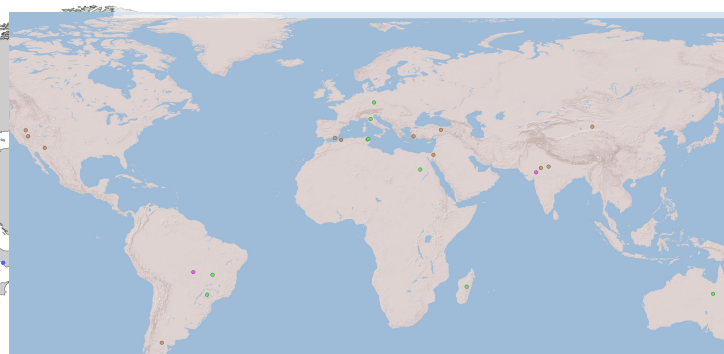
### Validation level

- **Processor validation**
- Uncertainty propagation

### Vegetation variables



### Studies investigating kaolinite abundance



Any cooperation  
welcomed