EEA geospatial data catalogue

Copernicus High Resolution Water Snow and Ice Monitoring layers

The Copernicus Land Monitoring Service (CLMS) delivers the High Resolution Water, Snow, and Ice (HR-WSI) portfolio, providing detailed monitoring of snow, ice, and water bodies across Europe. This portfolio includes products derived from Sentinel-1 and Sentinel-2 satellite data, offering high-resolution maps with pixel spacing ranging from 60m to 10m. The HR-WSI products are essential for various sectors, including water management, energy, infrastructure safety, and climate change research. The portfolio covers snow properties on land, ice occurrences in the hydrographic network, and changes in water bodies at annual and multi-annual scales. These products are freely and openly accessible, benefiting stakeholders at local, national, and European levels. The HR-WSI portfolio continues the High Resolution Snow & Ice (HR-S&I) project, expanding to include water products and ensuring comprehensive monitoring of these critical environmental parameters.

Simple

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Point of contact

No information provided.

Point of contact

No information provided.

Continents, countries, sea regions of the world.	• United Kingdom • EEA38 (from 2020)
EEA Management Plan	• 2020 3.6.7
Keywords	
Keywords	
EEA topics	• Water • Environmental inequalities • Transport and mobility • Land use
GEMET	• climate change impact • landscape alteration • monitoring • water • land cover • environmental policy • ice • snow
GEMET - INSPIRE themes, version 1.0	• Land cover • Hydrography
Spatial scope	• European
Temporal resolution	• Five days • Daily • Six days • Irregular • Annually • As needed • Monthly

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Language of dataset	English
Character set	UTF8
Topic category	• Environment

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72.00	N	27.00	S	46.00	E	-32.00	W

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End date	2021-12-31 Now
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End date	2017-08-30 Now
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Begin date	2025-03-05

Metadata

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Character set	UTF8
Hierarchy level	Series
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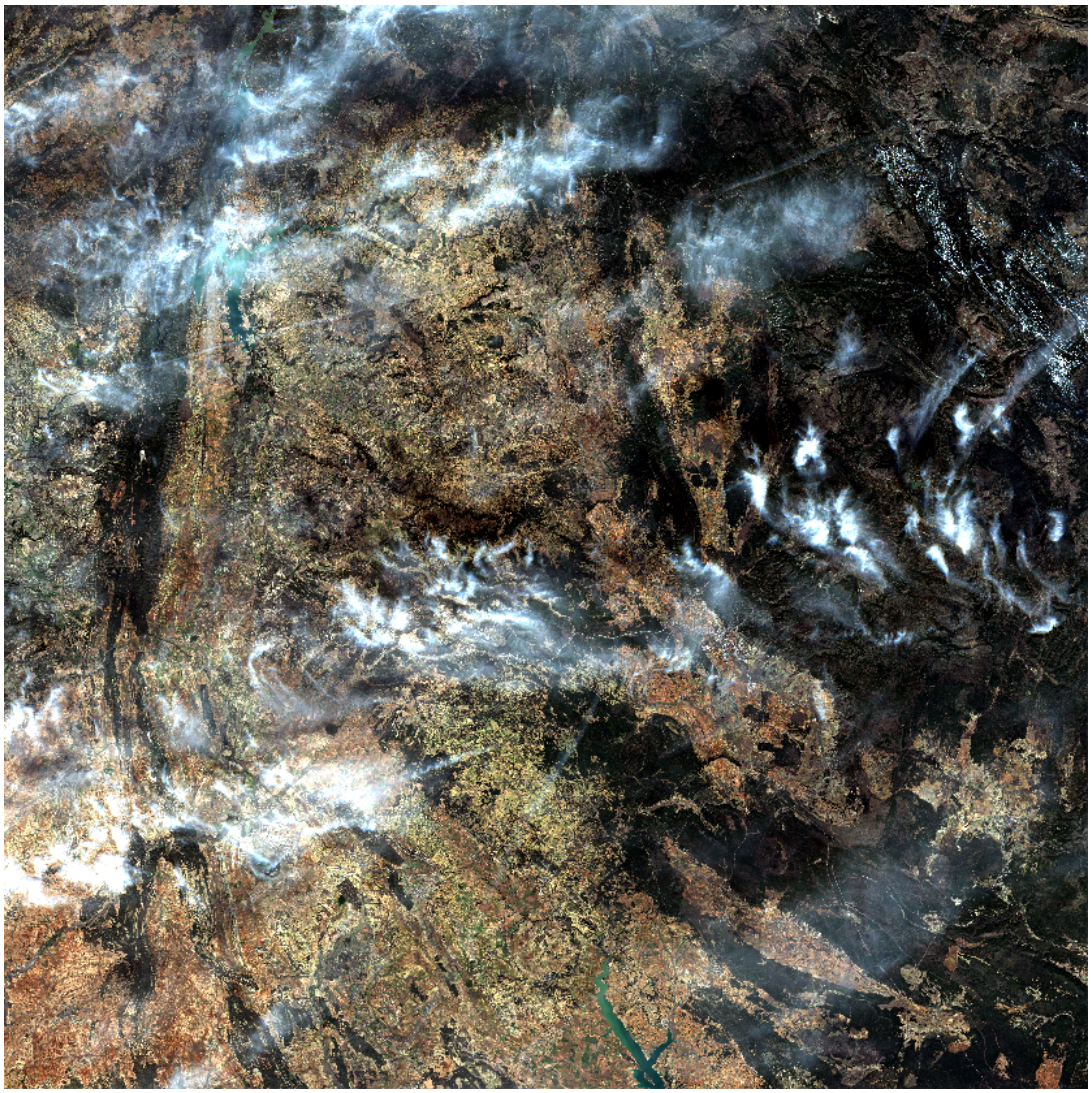
Metadata standard name	ISO 19115:2003/19139
Metadata standard version	1.0

Overviews



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