EEA geospatial data catalogue

European Ground Motion Service (EGMS)

The European Ground Motion Service (EGMS) provides consistent and reliable information regarding natural and anthropogenic ground motion over the Copernicus participating states and across national borders, with millimeter accuracy.

The EGMS distributes three levels of products updated annually: basic, calibrated and ortho.

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Basic. Line of sight velocity maps in ascending and descending orbits with annotated geolocalisation and quality measures per measurement point. Velocities in the basic products are referred to a local reference point.

Calibrated. Line of sight velocity maps in ascending and descending orbits referenced to a model derived from global navigation satellite systems data. Calibrated velocities are absolute, being no longer relative to a local reference point.

Ortho. Components of motion (horizontal and vertical) anchored to the reference model used above. Ortho products are resampled to a 100 m grid.

The EGMS is part of the European Union's Copernicus Land Monitoring Service.

Simple

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Point of contact

No information provided.

Point of contact

No information provided.

Continents, countries, sea regions of the world.	• Norway • EU27 (from 2020) • Iceland • United Kingdom • EEA38 (from 2020)
EEA Management Plan	• 2023 6.5.32
Keywords	
Keywords	
EEA topics	• Land use • Buildings and construction • Production and consumption
GEMET	• geological process • landslide

	• built environment • subsidence • earth observation • risk reduction • geo-referenced data • urban area • infrastructure • calibration • geodesy • model • geo-referenced information
GEMET - INSPIRE themes, version 1.0	• Natural risk zones
Spatial scope	• European
Temporal resolution	• Weekly • Not planned
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Association Type	Is composed of
Spatial representation type	Vector
Language of dataset	English
Character set	UTF8
Topic category	• Geoscientific information

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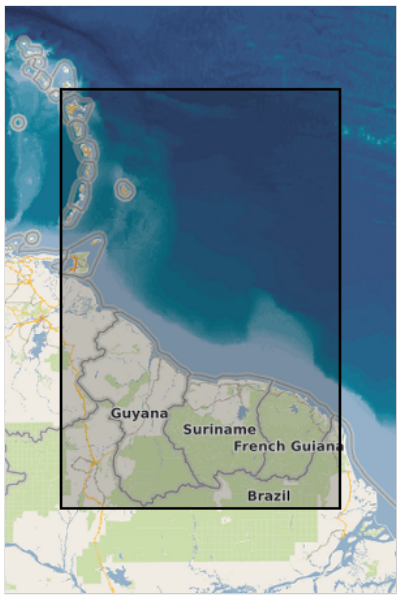
71.21	N	27.60	S	44.86	E	-31.30	W

16.90	N	1.05	S	-51.28	E	-62.00	W



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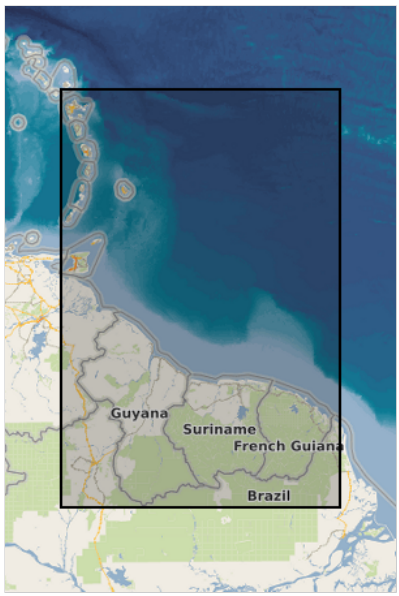

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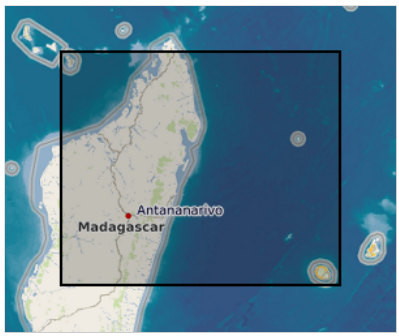

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End date	2020-12-31
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End date	2023-01-01
Begin date	2018-01-01
End date	2022-12-31
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Metadata

File identifier	b67d6289-bc0b-486b-b4ce-d08eb397d337 XML
Metadata language	English
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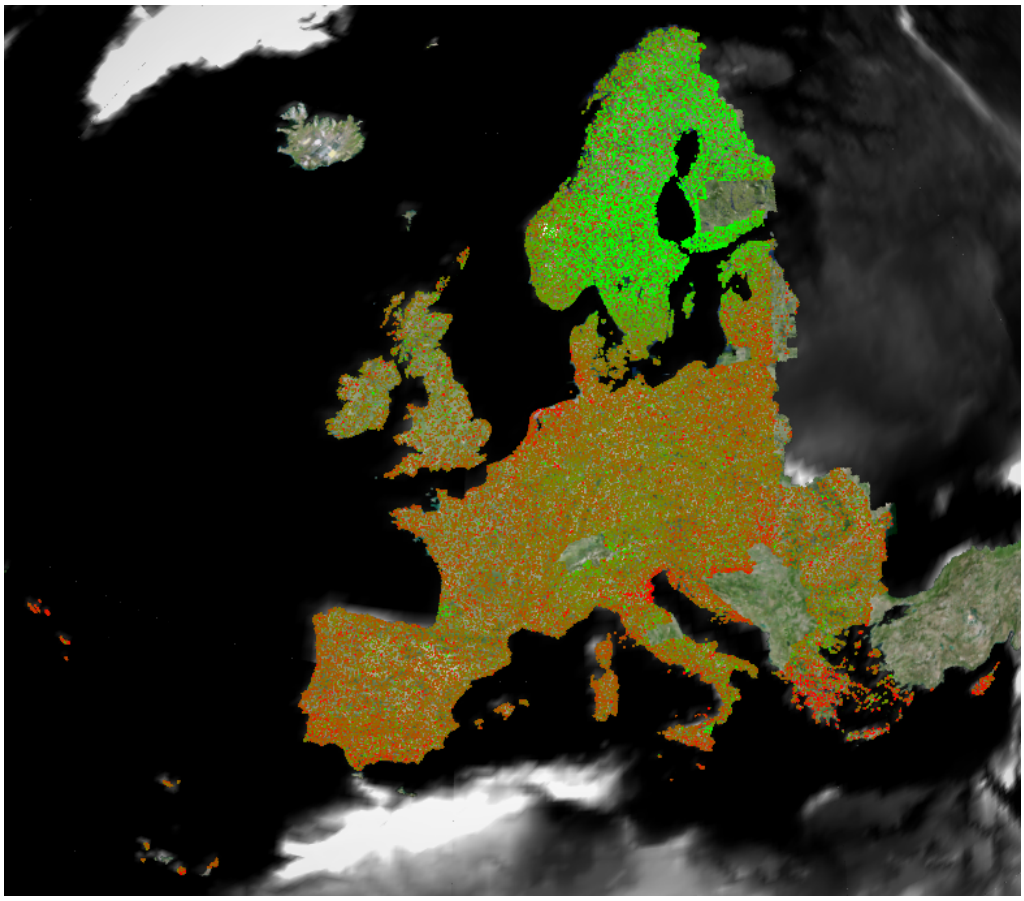
Metadata standard version	1.0
Metadata author	**Organisation name** / **Individual name** / **Electronic mail address** / **Website** / **Role** European Environment Agency / / sdi@eea.europa.eu / / Point of contact

Overviews



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