

JRC Dataset

Basic European Assets Map, Finland (2014-04-22)

Description:

Activation date: 2014-04-22

Event type: Other

Activation reason:

Service Request: The nation-wide asset mapping for Finland provides a detailed regional geospatial dataset for the quick and uncomplicated calculation of potential damages either in the preparedness phase or during the immediate response phase of crises caused by natural hazard events. The concept follows the Basic European Asset Map (BEAM) data model developed under the Copernicus precursor project SAFER (Services and Applications for Emergency Response) and extended in the FP7 project IncREO (Increasing Resilience through Earth Observation). BEAM Finland is a comprehensive dataset comprising of a set of spatialized economic indicator values and a population density value. All economic attributes are expressed in EURO/m². By using GIS methods for intersecting BEAM data with hazard intensity information and appropriate vulnerability functions quick regional estimates can be made for exposure of assets and population, damage assessments and cost/benefit analysis. The wall-to-wall map and vector dataset depicts assets for various economic categories as well as for population density. The data are derived by combining socioeconomic data and land use/cover data. Fourteen distinct contributing attributes for the asset mapping are provided (e.g. buildings, households, industry, agriculture, etc.). Assets information is made available not only as a cumulative layer of different types of assets (e.g. private households, industry, commerce, vehicles, agriculture, etc.), but as accessible single contributing layers as well, each of them expressing its value.

How to cite:

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Keywords:

Copernicus, Copernicus Emergency Management Service Risk and Recovery Mapping Activation, Copernicus Service, EMS, EMSN040, Emergency, Emergency Management, FIN, Finland, Mapping, Orthoimagery, Risk and Recovery Mapping

Related resources:

Data access

Copernicus EMS Risk and Recovery Mapping Activation [EMSN040]: Basic European Assets Map, Finland (2014-04-22)

Maps produced in scope of this Copernicus EMS Risk and Recovery Mapping activation downloadable as georeferenced PDFs, TIFFs and JPEGs together with relevant geodatabase (GDB) and complete final report as well.

<http://emergency.copernicus.eu/EMSN040>

Additional information:

Issue date: 2014-04-22

Landing page: <http://emergency.copernicus.eu/EMSN040>

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Data theme(s): Regions and cities; Science and technology

EuroVoc domain(s): 72 GEOGRAPHY

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Geographic information:

Lineage: No additional information

Geographic bounding box: 70.1° N, 31.6° E, 59.4° S, 19° W

Coordinate Reference System: ETRS89 / LAEA Europe