Section	Description
Resource Title	Filtration of surface water by ecosystem types - Demand
Resource Abstract	Filtration of surface water by terrestrial ecosystems is an important service that directly contributes to mitigate water pollution. This multi-faceted ES includes a variety of ecosystem types and pollutants. Among the different types of pollutants are nutrients, such as nitrogen or phosphorous, pesticides, heavy metals or organic matter. Within AlpES the outcomes of the InVEST NDR model (Nutrient Delivery Ratio) have been used to assess the nitrogen loads and the filtration capacities by different ecosystems. This model follows a mass balance approach, describing the movement of the mass of nutrient through space. Unlike more sophisticated nutrient models, NDR does not represent the details of the nutrient cycle but rather represents the long-term, steady-state flow of nutrients through empirical relationships.
Resource Type	Dataset
Resource locator	http://www.alpes-webgis.eu/?X=850359.92&Y=5947762.56&zoom=6&lang=en&focus=focus_alpes&bgLayer=alpes.osm.stamentoner.60002&layers=alpes.alpinespace.40001.wms,alpes.essi.10071&catalogNodes=101000000,101000008&layers_opacity=1,0.7
Unique Resource Identifier	8RLT-ZU4P-3QQH-V9JV
Resource Language	eng
Topic Category	Environment
Keyword value	Land use (INSPIRE Spatial Data Theme) Land cover (INSPIRE Spatial Data Theme) Atmospheric nitrogen load (GEMET Concepts Nitrogen Load (GEMET Concepts)

Originating controlled vocabulary	- title: GEMET - INSPIRE themes, version 1.0
	- date:
	    -dateType: publication
	    -date: 2008-06-01
	- title: GEMET - Concepts, version 4.0.1
	- date:
	    -dateType: publication
	    -date: 2017-06-28

Geographic bounding box	West = 1.986194 East = 18.622061 North = 50.068114 South = 42.700501
Coordinate reference System	EPSG: 3035 (ETRS89, LAEA)
Temporal extent	From 2012-01-01T11:15:00 to 2012-12-31T11:15:00

Date of publication	2017-07-24 T11:15:00
Lineage	This indicator represents the actual loads of nitrogen per year in kg, calculated without the filtering from the landscape. This includes the nitrogen emitted in the atmosphere and then deposed in the landscape and the nitrogen from the fertilization in agriculture.
Spatial resolution	100000
Specification	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services, date of publication: 2010-12-08.
Degree	Null
Conditions applying to access and use	CC BY-NC 4.0
Limitations on public access	No Limitation
Responsible party	Eurac Research, Viale Druso 1, 39100 Bolzano, Italy Institute for Alpine Environment - alpine.environment@eurac.edu
Responsible party role	Author
Metadata point of contact	Eurac Research, Viale Druso 1, 39100 Bolzano, Italy Institute for Alpine Environment - alpine.environment@eurac.edu
Metadata date	2018-04-20
Metadata language	eng