

Section	Description
<b>Resource Title</b>	Filtration of surface water by ecosystem types – Flow/Supply
<b>Resource Abstract</b>	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.
<b>Resource Type</b>	Dataset
<b>Resource locator</b>	<a href="http://www.alpes-webgis.eu/?X=850359.92&amp;Y=5947762.56&amp;zoom=6&amp;lang=en&amp;focus=focus_alpes&amp;bgLayer=alpes.osm.stamentoner.60002&amp;layers=alpes.alpinespace.40001.wms.alpes.essi.10072&amp;catalogNodes=101000000,101000008&amp;layers_opacity=1,0.7">http://www.alpes-webgis.eu/?X=850359.92&amp;Y=5947762.56&amp;zoom=6&amp;lang=en&amp;focus=focus_alpes&amp;bgLayer=alpes.osm.stamentoner.60002&amp;layers=alpes.alpinespace.40001.wms.alpes.essi.10072&amp;catalogNodes=101000000,101000008&amp;layers_opacity=1,0.7</a>
<b>Unique Resource Identifier</b>	Z6WH-RYRJ-LQ56-CC3S
<b>Resource Language</b>	eng
<b>Topic Category</b>	Environment
<b>Keyword value</b>	Land use (INSPIRE Spatial Data Theme) Land cover (INSPIRE Spatial Data Theme) Filtration (GEMET Concepts) Nitrogen (GEMET Concepts)
<b>Originating controlled vocabulary</b>	- 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
<b>Geographic bounding box</b>	West = 1.986194  East = 18.622061  North = 50.068114  South = 42.700501
<b>Coordinate reference System</b>	EPSG: 3035 (ETRS89, LAEA)
<b>Temporal extent</b>	2012

<b>Date of publication</b>	2018-07-20
<b>Lineage</b>	<p>The flow/supply indicator represents the actual amount of nitrogen that is reduced within a single municipality. This is the capacity of nitrogen filtration, determined by the difference between the loaded nitrogen (N loads per land-use type, N atmospheric deposition and N biological fixation) and the nitrogen exported from the area of a municipality. Both these values are calculated using the InVEST NDR model.</p> <p>Units of measurements: kg ha<sup>-1</sup> y<sup>-1</sup></p>
<b>Spatial resolution</b>	100000
<b>Specification</b>	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.
<b>Degree</b>	Null
<b>Conditions applying to access and use</b>	<a href="#">CC BY-NC 4.0</a>
<b>Limitations on public access</b>	No Limitation
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<b>Metadata date</b>	2018-04-20
<b>Metadata language</b>	eng