Section	Description
Resource Title	Surface water for drinking with minor or no treatments – Supply
Resource Abstract	Integrated water management is one of the main issues for the sustainable development of the Alpine region. Surrounding areas are highly dependent on alpine water and thus, on the ecosystems having an impact on water resources. Therefore, we assess and map the provisioning ecosystem service "Surface water for drinking with minor to no treatment" and provide information on the availability, the use and the abstractions of water resources. Hence, information on water availability as well as on water demands and usages can quickly be analysed, evaluated and visualized in a spatially explicit, cartographic way. Three maps were produced for management authorities, differentiating between surface water availability, water use and water abstraction.
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.10022&catalogNodes=101000000,101000003&layers_opacity=1,0.7
Unique Resource Identifier	UE9Y-ZSYG-Y738-TE5Y
Resource Language	eng
Topic Category	Environment Inland Waters Geoscientific Information Climatology/Meteorology/Atmosphere
Keyword value	Hydrography (INSPIRE Spatial Data Theme) Drinking water supply(GEMET concepts) Freshwater (GEMET concepts) Natural Environment, Anthropic Environment (GEMET concepts) Hydrosphere (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	1801-2014
Date of publication	2018-07-20
Lineage	The surface water supply is displayed as the average annually available runoff of drinkable water. Using the InVEST water yield model, the annual average quantity of water runoff from each sub-catchment of the alpine space is calculated. The model estimates the water runoff based on gridded information on climatic, soil, topographic and land-cover characteristics. Units of measurements: m^3 ha^{-1} y^{-1}
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
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Metadata date	2018-02-30
Metadata language	eng