Section	Description
Resource Title	Surface water for drinking with minor or no treatments – Flow
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 ecosystems having an impact on water resources. Hence, the consequences on all domains of water resources management must be considered in sustainable development. Therefore, within the AlpES project, we assess and map the ecosystem service "Water for drinking with minor to no treatment" and provide information on the availability of water meeting the quality standards for human consumption to decision makers. Hence, information on water availability and quality as well as on water demands and usages can quickly be analysed, evaluated and visualized in a spatially explicit, cartographic kind.
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.10023&catalogNodes=101000000,101000003&layers_opacity=1,0.7
Unique Resource Identifier	5L3W-E7AY-ALJ8-UTHK
Resource Language	eng
Topic Category	Environment Inland Waters Geoscientific Information
Keyword value	Hydrography (INSPIRE Spatial Data Theme) Water Management (GEMET concepts) Freshwater degradation (GEMET concepts) Environmental Policy (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	From 2008 to 201
Date of publication	2017-07-24 T11:15:00
Lineage	The water use is assessed and mapped in annual average water usage at the point of use [m^3/ha]. The alpine wide map is based on water statistics from Eurostat, the statistical office of the European Union (European Commission 2016). These datasets are collected by National Statistical Institutes, then validated and merged by Eurostat (Eurostat, the Statistical Office of the European Union 2016). They come on a regional scale see NUTS level 2 and need further downscaling to municipality level based on touristic and demographic data, This by allocating the water use to the relative overnight stays in hotels and population data onto municipal level. The data is downloaded using the EUROSTAT R Package and filtered by extracting the needed information within R statistical software. As such, in a first step we filter the data for the countries and NUTS-2 regions of the Alpine Space Cooperation Area as well as households and tertiary sector. If several yearly values were available, the most actual were selected. We follow the definitions of the FAO and Eurostat and speak of "source" where the water is extracted and of "point of use" where the water is needed. Resources online following EUROSTAT (http://ec.europa.eu/eurostat/data/database) → Environment and energy → Environment → Water → Water statistics on subnational level → Water Statistics by NUTS 2 region → Water use by NUTS 2 regions (env_watuse_r2)
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	University of Innsbruck, Sternwartestraße 15, 6020 Innsbruck, Austria Department of Ecology - ecology@uibk.ac.at
Metadata date	2018-02-30
Metadata language	eng