

<b>Section</b>	<b>Description</b>
<b>Resource Title</b>	CO2 sequestration from forest and bogs – Demand
<b>Resource Abstract</b>	Atmospheric CO2 is one of the most well known greenhouse gases and one of the most powerful drivers of climate change. The sequestration of CO2 from the atmosphere is therefore an important regulating ecosystem service that is recognized by international environmental obligations and reporting programmes. The benefits of CO2 sequestration are not limited to the Alpine population, but represent the contribution of the Alpine area to global climate protection. Within AlpES, the ecosystem service CO2 sequestration is considered in relation to the ecosystems mountain forest and Alpine bogs. However, due to data availability and reliability, the indicator maps produced within AlpES only include the contribution to CO2 sequestration given by forests.
<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.10061&amp;catalogNodes=101000000,101000006&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.10061&amp;catalogNodes=101000000,101000006&amp;layers_opacity=1,0.7</a>
<b>Unique Resource Identifier</b>	CYVE-UK6K-NAJK-YMX2
<b>Resource Language</b>	eng
<b>Topic Category</b>	Environment Transportation Climatology/Meteorology/Atmosphere
<b>Keyword value</b>	Atmospheric conditions (INSPIRE Spatial Data Theme) Emission to air (GEMET concepts) Atmospheric emission (GEMET concepts) Carbon emission (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>	From 2010-01-01T11:15:00 to 2010-12-31T11:15:00
<b>Date of publication</b>	2017-07-24 T11:15:00
<b>Lineage</b>	<p>The indicator represents the CO2 emissions per municipality for the year 2010. The original data (Trombetti et al. 2017), has been integrated with the dataset from the EDGAR database to include the area of Switzerland. The datasets were disaggregated at the municipal level to assess the tons of CO2 emitted per hectare.</p> <p>Trombetti M., Pisoni E., Lavalle C., Downscaling methodology to produce a high resolution gridded emission inventory to support local/city level air quality policies, Office for Official Publications of the European Communities, Luxembourg, EUR 28428 EN, doi:10.2760/51058</p> <p>EDGARv4.2, European Commission, Joint Research Centre (JRC)/PBL Netherlands Environmental Assessment Agency. Emission Database for Global Atmospheric Research (EDGAR), release version 4.2.</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
<b>Responsible party</b>	Eurac Research, Viale Druso 1, 39100 Bolzano, Italy Institute for Alpine Environment - <a href="mailto:alpine.environment@eurac.edu">alpine.environment@eurac.edu</a>
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<b>Metadata date</b>	2017-09-18
<b>Metadata language</b>	eng