

<b>Section</b>	<b>Description</b>
<b>Resource Title</b>	Biomass production from grassland – Supply
<b>Resource Abstract</b>	In the Alps, grassland is the basis for forage farming owing to local conditions like climate and slope steepness. Due to structural change of agriculture in the Alps, the supply of biomass production from grassland is influenced among others by the use of fertilizers and selection of forage plants. Grassland formations range from intensively managed pastures in the valley bottoms to extensive meadows and Alpine swards upwards the altitudinal belt. Location factors like temperature, soil and radiation have a significant impact on the productivity. Grassland ecosystems can provide multiple ecosystem services: Depending on the use of the biomass, the service can be described in dry matter per hectare or energy content per amount of dry matter.
<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.10002&amp;catalogNodes=101000000,101000001&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.10002&amp;catalogNodes=101000000,101000001&amp;layers_opacity=1,0.7</a>
<b>Unique Resource Identifier</b>	MZR4-X77D-NHRV-U3NW
<b>Resource Language</b>	eng
<b>Topic Category</b>	Farming Environment
<b>Keyword value</b>	Land cover (INSPIRE Spatial Data Theme) Land use (INSPIRE Spatial Data Theme) Agriculture and cattle industry (GEMET Concepts) Cattle (GEMET Concepts) Biomass (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>Fodder production of Alpine grassland, from colline to Alpine level (DM t/ha municipal area)</p> <p>In the Alps, there are different types of grassland (extensive meadows, frequently cut pastures, natural grassland in high altitude zones, ...) Hence, the growth depends on the grassland type and location parameters like number of vegetation days (days with a minimum temperature of 5 degrees), precipitation and energy budget of the grassland plot. The Supply of biomass production is calculated according to the "Almbewertungsmodell" as proposed by Egger et al. (2004). Here, each grassland type is connected to a growth function, which represents the yield in DM per Ha and year.</p> <p>Egger, G., et al. (2004). GIS-gestützte Ertragsmodellierung zur Optimierung des Weidemanagements auf Almweiden. Irdning, Irdning: BAL.</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>	2018-03-14
<b>Metadata language</b>	eng