

## Trends in annual vegetation growing season length 2000-2016, version 1, Mar. 2019

The raster file is the temporal trend in the length of the vegetation growing season.

The length of growing season data set is based on the time series of the Plant Phenology Index (PPI) derived from the MODIS BRDF-Adjusted Reflectance product (MODIS MCD43 NBAR). The PPI index is optimized for efficient monitoring of vegetation phenology and is derived from the source MODIS data using radiative transfer solutions applied to the reflectance in visible-red and near infrared spectral domains. The season length indicator is based on calculating the start and end of the growing season from the annual PPI temporal curve using the TIMESAT software. Change growing season length was then calculated after fitting a linear trend and extracting the slope of the trend. Negative values refer to shortening vegetation growing season, whereas positive values refer to extending length of the vegetation growing season.

### Simple

Date (Publication)	2019-03-12
Date (Creation)	2018-08-30
Edition	01.00
Citation identifier	eea_r_3035_500_m_p-los-trend_p_2000-2016_v01_r00
Citation identifier	DAT-227-en

### Point of contact

No information provided.

### Point of contact

No information provided.

Maintenance and update frequency	As needed
<a href="#">GEMET - INSPIRE themes, version 1.0</a>	<ul style="list-style-type: none"> <li><a href="#">Environmental monitoring facilities</a></li> <li><a href="#">Habitats and biotopes</a></li> </ul>
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> <li>natural areas, landscape, ecosystems</li> <li>biomass</li> <li>remote sensing</li> <li>land cover</li> <li>biodiversity</li> <li>index</li> <li>vegetation</li> </ul>
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> <li>EEA39</li> </ul>
<a href="#">Spatial scope</a>	<ul style="list-style-type: none"> <li><a href="#">European</a></li> </ul>
	<ul style="list-style-type: none"> <li>2019 1.8.2</li> </ul>

<b>EEA Management Plan</b>	
<b>EEA topics</b>	<ul style="list-style-type: none"> <li>• Agriculture and food</li> <li>• Land use</li> </ul>
<b>Access constraints</b>	Other restrictions
<b>Other constraints</b>	<a href="#">no limitations to public access</a>
<b>Use constraints</b>	Other restrictions
<b>Other constraints</b>	EEA standard re-use policy: unless otherwise indicated, re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, provided that the source is acknowledged ( <a href="http://www.eea.europa.eu/legal/copyright">http://www.eea.europa.eu/legal/copyright</a> ). Copyright holder: European Environment Agency (EEA).
<b>Aggregate DatasetIdentifier</b>	29ae2d47-7af2-4c09-ba5f-e2fbb7c2b0d1
<b>Association Type</b>	Cross reference
<b>Aggregate DatasetIdentifier</b>	f4b01c76-29f7-4075-b13f-5dc5a9c18ae2
<b>Association Type</b>	Cross reference
<b>Aggregate DatasetIdentifier</b>	42012fdb-4612-41fb-a8f2-a195692ecf24
<b>Association Type</b>	Cross reference
<b>Aggregate DatasetIdentifier</b>	f5e0c7e9-7c44-477f-950b-7c092fa0f7a8
<b>Association Type</b>	Cross reference
<b>Spatial representation type</b>	Grid
<b>Distance</b>	500 m
<b>Language of dataset</b>	English
<b>Topic category</b>	<ul style="list-style-type: none"> <li>• Environment</li> </ul>

	N		S		E		W
--	---	--	---	--	---	--	---



<b>Begin date</b>	2000-01-01
<b>End date</b>	2016-12-31
<b>CRS identifier</b>	<a href="#">EPSG:3035</a>
<b>Distribution format</b>	<ul style="list-style-type: none"> <li>• BIL ( 2016 )</li> </ul>

### OnLine resource

No information provided.

<b>Hierarchy level</b>	Dataset
------------------------	---------

### Conformance result

<b>Date (Publication)</b>	2010-12-08
<b>Explanation</b>	See the referenced specification

<b>Statement</b>	<p>The dataset computation steps are:</p> <ul style="list-style-type: none"> <li>• Calculation of the PPI index from the MODIS MCD43 NBAR product</li> <li>• Extraction of the start of growing season and end of growing season points from the annual PPI curve for all years between the 2000 – 2016 period.</li> <li>• Calculating the length of the growing season, such as END of season - START of season</li> <li>• Fitting a linear trend over the length of growing season the time series</li> <li>• Extracting the slope of the linear trend</li> <li>• Calculation of season length change: slope of the linear trend, expressed in day/year.</li> </ul> <p>For detailed methodology of the LINT calculation please see the TIMESAT documentation available at: <a href="http://web.nateko.lu.se/timesat/timesat.asp?cat=6">http://web.nateko.lu.se/timesat/timesat.asp?cat=6</a></p>
------------------	--

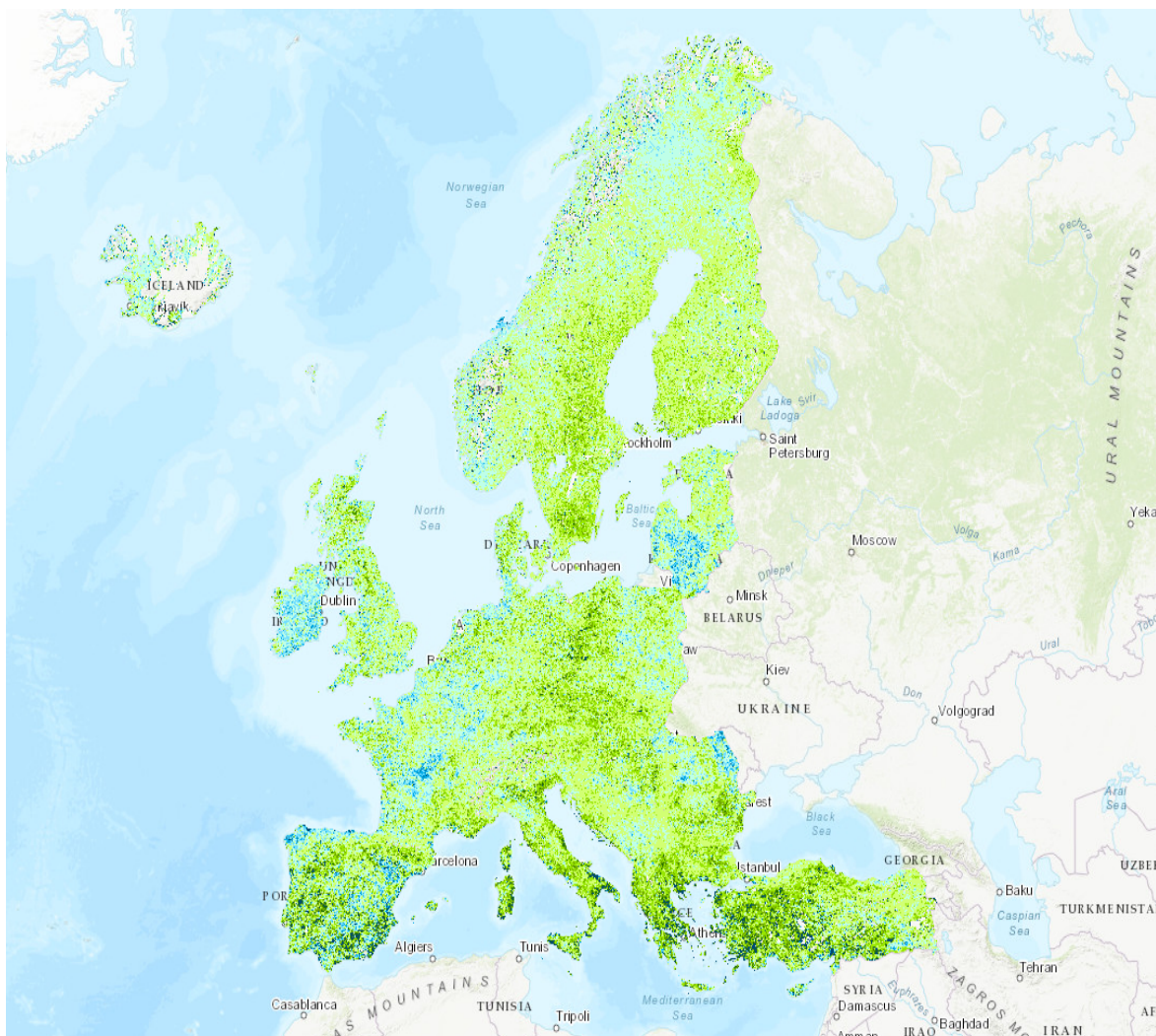
<b>Source</b>	<ul style="list-style-type: none"> <li>• <a href="#">Annual above ground vegetation season length time-series 2000-2016 - version 1, Aug. 2018</a></li> </ul>
---------------	---

### Metadata

<b>File identifier</b>	4635cd57-65d9-47b4-b18e-98a781ef27bb <a href="#">XML</a>
<b>Metadata language</b>	English
<b>Character set</b>	UTF8

Hierarchy level	Dataset										
Date stamp	2020-07-10T15:34:09Z										
Metadata standard name	ISO 19115/19139										
Metadata standard version	1.0										
Metadata author	<table border="1"> <thead> <tr> <th>Organisation name</th> <th>Individual name</th> <th>Electronic mail address</th> <th>Role</th> </tr> </thead> <tbody> <tr> <td>European Environment Agency</td> <td></td> <td>sdi@eea.europa.eu</td> <td>Point of contact</td> </tr> </tbody> </table>	Organisation name	Individual name	Electronic mail address	Role	European Environment Agency		sdi@eea.europa.eu	Point of contact		
Organisation name	Individual name	Electronic mail address	Role								
European Environment Agency		sdi@eea.europa.eu	Point of contact								

## Overviews



Provided by



