

Trends in annual start of vegetation growing season 2000-2016, version 1, Mar. 2019

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

The start of growing season dataset 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 start of season dataset is based on calculating the start of the growing season from the annual PPI temporal curve using the TIMESAT software. Change in the start of growing season was then calculated after fitting a linear trend and extracting the slope of the trend. Negative values refer to earlier start of the vegetation growing season, whereas positive values refer to later start 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-sos-trend_p_2000-2016_v01_r00
Citation identifier	DAT-229-en

Point of contact

No information provided.

Point of contact

No information provided.

Maintenance and update frequency	As needed
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Land use • Land cover • Habitats and biotopes
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> • vegetation • trend • biodiversity • natural areas, landscape, ecosystems • biomass • season • land cover
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • EEA39
Spatial scope	<ul style="list-style-type: none"> • European
Temporal resolution	<ul style="list-style-type: none"> • Annually
EEA Management Plan	<ul style="list-style-type: none"> • 2019 1.8.2

EEA topics	<ul style="list-style-type: none"> • Agriculture and food • Land use
Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	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 (http://www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency (EEA).
Aggregate DatasetIdentifier	4635cd57-65d9-47b4-b18e-98a781ef27bb
Association Type	Cross reference
Aggregate DatasetIdentifier	29ae2d47-7af2-4c09-ba5f-e2fbb7c2b0d1
Association Type	Cross reference
Aggregate DatasetIdentifier	42012fdb-4612-41fb-a8f2-a195692ecf24
Association Type	Cross reference
Aggregate DatasetIdentifier	1be91ed4-2eb1-46d6-8453-5246c9e9d446
Association Type	Cross reference
Spatial representation type	Grid
Distance	500 500 m
Language of dataset	English
Topic category	<ul style="list-style-type: none"> • Environment • Biota • Climatology, meteorology, atmosphere



Begin date	2000-01-01		
End date	2016-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> • GeoTIFF (2016) 		
OnLine resource	Protocol EEA:FILEPATH WWW:URL ESRI:REST OGC:WMS	Linkage https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_3035_500_m_p-sos-trend_p_2000-2016_v01_r00/ https://sdi.eea.europa.eu/data/f5e0c7e9-7c44-477f-950b-7c092fa0f7a8 https://land.discomap.eea.europa.eu/arcgis/rest/services/Phenology/StartOfSeason_2000_2016_trend_day_of_year/ImageServer https://land.discomap.eea.europa.eu/arcgis/services/Phenology/StartOfSeason_2000_2016_trend_day_of_year/ImageServer/WMServer?request=GetCapabilities&service=WMS	Name Direct download
Hierarchy level	Dataset		

Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification

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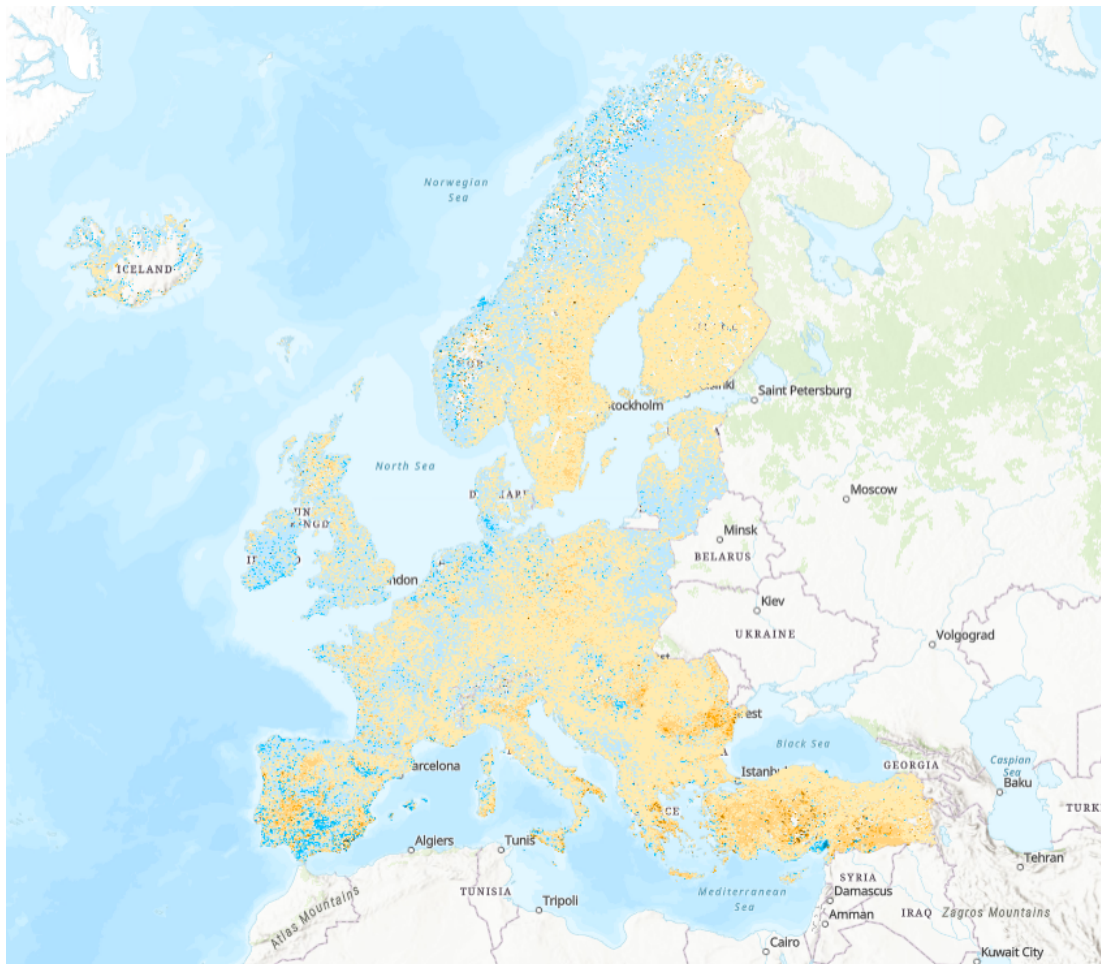
Source	<ul style="list-style-type: none"> •
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Metadata

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File identifier	f5e0c7e9-7c44-477f-950b-7c092fa0f7a8 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2020-07-10T15:29:40Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail address Website Role
	European Environment Agency		sdi@eea.europa.eu Point of contact

Overviews



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