



Soil Water Index Time Series 2007-present (discrete global grid), global, daily - version 3

The SWI_TS product is a reformatting of the SWI daily product into a time series format which makes it easier to perform local, time series based analysis without having to download and convert data for the whole globe.

Simple

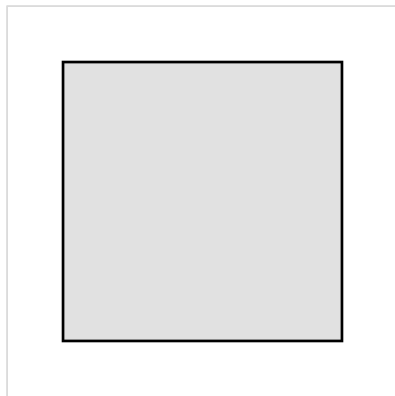
Identification info

Date (Creation)	2017-01-01		
Date (Publication)	2017-01-01		
Edition	Version 3		
Edition date	2017-01-01T00:00:00		
Citation identifier	clms_r_4326_12.5_km_swi-time-series-global_p_2007-now_v3_r00		
Citation identifier	clms_global_swi_12.5km_v3_time-series		
	Title	ZAMG	
	Date (Publication)	2016-01-01	

Identifier

Code	10.2909/281e62fc-fe9e-40ef-9a78-1e104dc2a352				
Other citation details	https://land.copernicus.eu/en/products/soil-moisture/daily-soil-water-index-temporal-series-global-v3-0-12-5km				
Purpose	This product is first designed to fit the requirements of the Global component of Land Service of the Copernicus programme. It can be also useful for all applications related to environmental monitoring.				
Credit	SWI-TS products were generated by the Global Land Service of Copernicus, the Earth Observation programme of the European Commission. The research leading to the current version of the product has received funding from various European Commission Research and Technical Development programs. The products are based on Metop/ASCAT surface soil moisture data distributed by EUMETSAT.				
Point of contact	Organisation	Individual	Electronic mail address	Website	Role
	European Commission			https://commission.europa.eu	Owner
	Copernicus Land Monitoring Service		JRC-Copernicus-Land@ec.europa.eu	https://land.copernicus.eu	Custodian
	European Commission's Joint Research Centre			https://joint-research-centre.ec.europa.eu/	Publisher
	Copernicus Land Monitoring Service helpdesk		JRC-Copernicus-Land@ec.europa.eu	https://land.copernicus.eu/en/contact-service-helpdesk	Point of contact

Spatial representation type	Grid
Spatial resolution	
Spatial resolution	12500 m
Topic category	<ul style="list-style-type: none">• Imagery base maps earth cover• Biota• Farming• Environment
Extent	



Extent

Temporal extent

Time period	time series time series 2007-01-01T00:00:00
Maintenance and update frequency	As needed
mmi:updateScope	Series

Resource format

Title	netCDF
Alternate title	Network Common Data Form
Date	
Edition	4

EEA topics	<ul style="list-style-type: none"> • Soil • Agriculture and food
Spatial scope	<ul style="list-style-type: none"> • Global
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • World
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> • Orthoimagery
GEMET	<ul style="list-style-type: none"> • geophysical environment
Theme	<ul style="list-style-type: none"> • biogeophysical • soil water index • soil moisture
Place	<ul style="list-style-type: none"> • global
Temporal	<ul style="list-style-type: none"> • Daily • time series

Resource constraints

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Access constraints	Other restrictions
Other constraints	no limitations to public access

Resource constraints

Use constraints	Other restrictions
Other constraints	<p>The Copernicus component is governed by Regulation (EU) No 2021/696 of the European Parliament and of the Council of 28 April 2021 establishing the Union Space Programme and the European Union Agency for the Space Programme and repealing Regulations (EU) No 912/2010, (EU) No 1285/2013 and (EU) No 377/2014 and Decision No 541/2014/EU. Within the Copernicus component, a portfolio of land monitoring activities has been delegated by the European Union to the European Environment Agency (EEA) and the DG Joint Research Centre of the European Commission.</p> <p>The Copernicus land monitoring products and services are made available on a principle of full, open and free access, as established by the Commission Delegated Regulation (EU) No 1159/2013 of 12 July 2013.</p> <p>Free, full and open access to the products and services of the Copernicus Land Monitoring Service is made on the conditions that:</p> <ol style="list-style-type: none"> 1. When distributing or communicating Copernicus Land Monitoring Service products and services (data, software scripts, web services, user and methodological documentation and similar) to the public, users shall inform the public of the source of these products and services. 2. Where the Copernicus Land Monitoring Service products and services have been adapted or modified by the user, the user shall clearly state this. 3. Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the European Union.

Language	English
Character encoding	UTF8

Distribution Information

Distribution format	<ul style="list-style-type: none"> • NetCDF
Fees	Free for HTTP download and EUMETCast; cost of medium by DVD or tape
Ordering instructions	Products can be downloaded online via HTTP or can be received through EUMETCast satellite reception in Europe, Africa and Latin-America.
OnLine resource	
OnLine resource	OGC WMTS
OnLine resource	Copernicus Data Space Ecosystem download services
Units of distribution	Per product
OnLine resource	Copernicus Browser

Data quality info

Hierarchy level	Dataset
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Report

Result

Title	Validation results conform CEOS LPV guidelines
Date (Publication)	2010-12-01
Explanation	https://land.copernicus.eu/en/products/soil-moisture/daily-soil-water-index-temporal-series-global-v3-0-12-5km
Pass	true

Report

Result

Title	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 (Publication)	2010-12-08
Explanation	This data set is conformant with the INSPIRE Implementing Rules for the interoperability of spatial data sets and services
Pass	true

Report

Result

Title	INSPIRE Data Specification on orthoimagery - Guidelines
Date (Publication)	2010-04-26
Explanation	See the referenced specification
Pass	true

Resource lineage

Statement	The SWI_TS product is a reformatting of the SWI daily product into a time series format which makes it easier to perform local, time series based analysis without having to download and convert data for the whole globe. The time series data is provided on a Discrete Global Grid (DGG) with a grid point spacing of 12.5 km. This grid contains a total of 3,264,391 points of which 839,826 are over land areas. This grid has the advantage of reducing the data volume of the product while not losing any information. This is the case because the SWI image product is oversampled to a 0.1° grid from this DGG and would contain 1,814,400 points over land.
Hierarchy level	Dataset

Reference System Information

Reference System Information

Code	EPSG:4326
Maintenance and update frequency	As needed

Metadata

Metadata identifier	281e62fc-fe9e-40ef-9a78-1e104dc2a352			
Language	English			
Character encoding	UTF8			
Contact	Organisation	Individual	Electronic mail	Website Role

Copernicus Land Monitoring Service

address

JRC- <https://land.copernicus.eu>
Copernicus- Land@ec.europa.eu Point of contact

Type of resource

Resource type	Dataset
Metadata linkage	https://sdi.eea.europa.eu/catalogue/srv/api/records/281e62fc-fe9e-40ef-9a78-1e104dc2a352
Date info (Creation)	2024-12-17T06:50:28.201033Z
Date info (Revision)	2025-10-09T10:41:49.487774Z

Metadata standard

Title	ISO 19115/19139
Edition	1.0

Overviews

SWI V3 T=20 on 2015-08-15

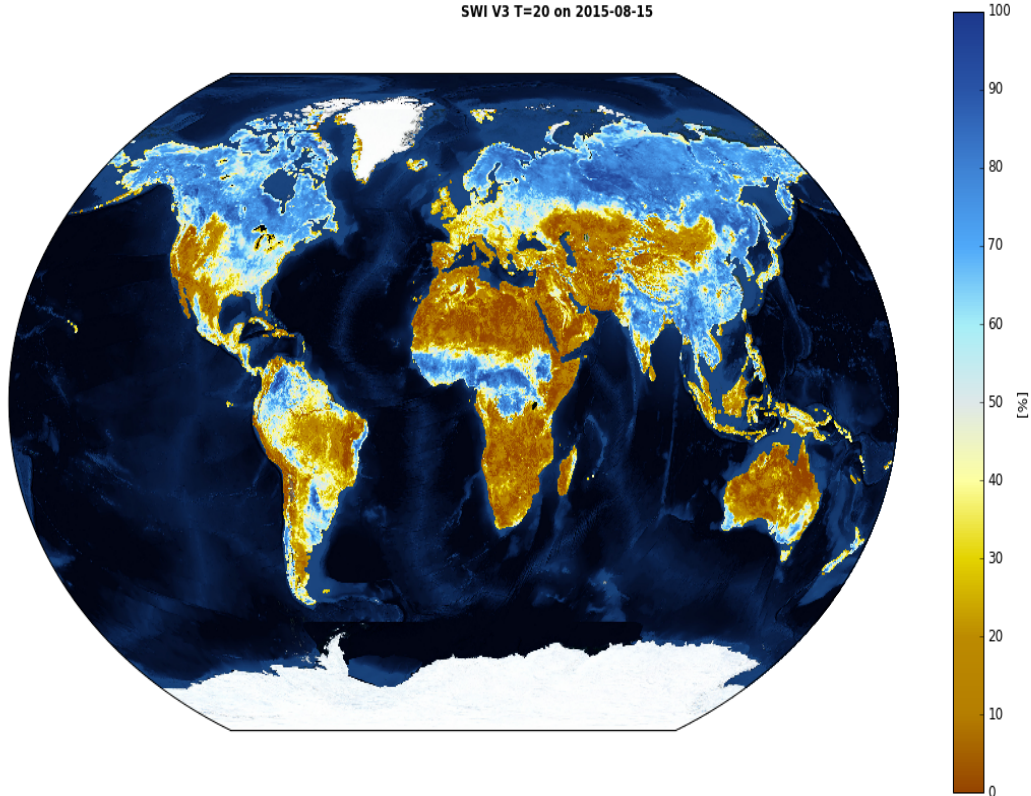


image of SWI-TS for T=1

Provided by



