WEBSITES INVENTORY

Website	Knowledge base		Spatial data		Technical data	
	Data available	Harvest ability	Data available	Harvest ability	Data available	Harvest ability
modis.gsfc.nasa.gov	☒	☐	☒	☒	☐	☐
	☐	☐	☐	☐	☐	☐

Website	MODIS.GSFC.NASA.GOV
Title	MODIS MODERATE RESOLUTION IMAGING SPECTRORADIOMETER
Managed by	NASA
Start page	https://modis.gsfc.nasa.gov/
Languages	**English**
Contacts	Brandon Maccherone (Web Curator) brandon.f.maccherone@nasa.gov Shannell Frazier (NASA Official) shannell.c.frazier@nasa.gov
Description	MODIS (or Moderate Resolution Imaging Spectroradiometer) is a key instrument aboard the Terra (originally known as EOS AM-1) and Aqua (originally known as EOS PM-1) satellites. Terra's orbit around the Earth is timed so that it passes from north to south across the equator in the morning, while Aqua passes south to north over the equator in the afternoon. Terra MODIS and Aqua MODIS are viewing the entire Earth's surface every 1 to 2 days, acquiring data in 36 spectral bands, or groups of wavelengths (see MODIS Technical Specifications). These data will improve our understanding of global dynamics and processes occurring on the land, in the oceans, and in the lower atmosphere. MODIS is playing a vital role in the development of validated, global, interactive Earth system models able to predict global change accurately enough to assist policy makers in making sound decisions concerning the protection of our environment.
Geographic coverage	World
Compiled	the May 28, 2019 by Simone Maffei

KNOWLEDGE BASE

Content	Section	Last update
	☐ Initiatives, projects, programmes	
	☒ News	October 23, 2018
	☐ Events, calendar	
	☐ Media/Photo gallery/Video	
	☐ Periodic bulletins	
	☐ Technologies, manual, best practices	
	☒ Publications, articles, papers, case studies	2019
	☐ Maps (not georeferenced)	
Notes	MODIS-related publications that have been written by the scientific community	
Climate change related uses	• Analysis of satellite data to derive trends	
Harvest ability	☐ Web Service ☐ Web API The website is based on static links to each resource	
License		
Notes		

SPATIAL DATA (GEO-REFERENCED)

Content		TS	RT	FP	BL	Last update
	☒ vegetation indices (NDVI, EVI)	☒	☒	☐	☐	16 dd, others-
	☒ surface temperature (day, night)	☒	☒	☐	☐	1 dd, 8 dds, others
	☒ land cover type	☒	☐	☐	☐	Yearly, others
	☒ evapotranspiration	☒	☒	☐	☐	8 dd, yearly
	☒ burned areas	☒	☒	☐	☐	monthly
	☒ thermal anomalies/fire	☒	☒	☐	☐	1dd, 8dd, others

		snow cover	☒	☒	☐	☐	1dd, 8dd, others
		reflectance	☒	☒	☐	☐	different temporal
		aerosol					resolutions (from
		total precipitable water					daily to yearly)
		cloud					covering the time
		LAI					interval from 2000
		gross primary productivity					up to now
		albedo					
		chlorophyll concentration					

Human readable (GUI)	☒	Several GUI
Data download	☒	HTTPS
		Structured database based on directory listing at https://e4ftl01.cr.usgs.gov/. Authentication is required.
Web Service	☐	None
Web API	☒	The web service provides users with subsets of MODIS/VIIRS Land Products through standards based REST (Representational State Transfer) web service API. Through the API users can execute simple HTTP GET methods to retrieve MODIS/VIIRS Land Product subsets. Currently users can choose to receive the response content in csv or json formats. The web service is built on ORNL DAAC's MODIS/VIIRS Global sub setting and visualization tool that provides customized subsets and visualization of MODIS/VIIRS land products for any land location on the globe. Using the Web Service users can • retrieve subsets through command line operation such as curl • get subsets directly into software such as R, Python and integrate the subsets into client side workflow • write custom code to use the subsets for visualization or data reformatting The URIs for the REST API have the following syntax: https://modis.ornl.gov/rst/api/{version}/{resourcepath}. The current version is v1. The Open API documentation page for the web service can be accessed from https://modis.ornl.gov/rst/ui/ A list of functions available to users are provided in https://modis.ornl.gov/data/modis_webservice.html
License		All data products distributed by NASA's Land Processes Distributed Active Archive Center (LP DAAC) are available at no charge.
Notes		

TECHNICAL DATA (MEASUREMENTS) OR TABULAR/STATISTICAL DATA

Content			TS	RT	FP	BL	Last update
	☐		☐	☐	☐	☐	
	☐		☐	☐	☐	☐	

Human readable (GUI)	☐
Data download	☐
Web Service	☐
Web API	☐
License	
Notes	

WEBSITE

Title	TITLE
Managed by	OWNER
Start page	url
Languages	**Language**
Contacts	Name (role) — Email/contact
	Name (role) — Email/contact
Description	Description
Geographic coverage	Coverage
Compiled	The Date by Name

KNOWLEDGE BASE

Content	Section	Last update
	☐ Initiatives, projects, programmes	
	☐ News	
	☐ Events, calendar	
	☐ Media/Photo gallery/Video	
	☐ Periodic bulletins	
	☐ Technologies, manual, best practices	
	☐ Publications, articles, papers, case studies	
	☐ Maps (not georeferenced)	
Notes		

Climate change related uses	• list of uses
Harvest ability	☐ Web Service
	☐ Web API
	<The website is based on static links to each resource>
License	<if any>
Notes	

SPATIAL DATA (GEO-REFERENCED)

Content		TS	RT	FP	BL	Last update
	☐ type of data	☐	☐	☐	☐	temp.resol/upd
	☐ type of data	☐	☐	☐	☐	temp.resol/upd

Human readable (GUI)	☐ <None> or Type or list of GUI
Data download	☐ <None> or Protocol, note, url, …
Web Service	☐ <None> or Web services info
Web API	☐ <None> or Web API info
License	<if any>
Notes	

TECHNICAL DATA (MEASUREMENTS) OR TABULAR/STATISTICAL DATA

Content						TS
	☐		☐	☐	☐	☐
	☐		☐	☐	☐	☐

Human readable (GUI)	☐	\<None\> or Type or list of GUI
Data download	☐	\<None\> or Protocol, note, url, …
Web Service	☐	\<None\> or Web services info
Web API	☐	\<None\> or Web API info
License	\<if any\>	
Notes		