

Exploration of online resources for Remote Sensing

List of Top 10 Sources of Free Remote Sensing Data

Data Website	Type of Data
USGS Global Visualization Viewer (GloVis) https://glovis.usgs.gov/	Remote sensing data, navigational, global data
NASA Earth Observation https://neo.sci.gsfc.nasa.gov/	Atmosphere, land, ocean, energy and environmental data
USGS Earth Explorer https://earthexplorer.usgs.gov/	Satellite , aerial data
Copernicus Open Access Hub (Sentinels Scientific Data Hub) https://scihub.copernicus.eu/	Radar imagery
NASA Earth observing Data https://search.earthdata.nasa.gov/	Science data
CLASS, By The National Oceanic and Atmospheric Adm. "NOAA" https://www.class.ngdc.noaa.gov/	Geographic data
NOAA's Digital Coast https://coast.noaa.gov/digitalcoast/	Coastal data
Ipums Terra (Data integrated across time, space and scientific domains) https://terra.ipums.org/	Population census with environmental data
LANCE (Land, Atmosphere Near real-time Capability for EOS) Nasa near real-time data and imagery https://earthdata.nasa.gov/earth-observation-data/near-real-time/	Monitoring a wide variety of natural and man-made phenomena
Vito Vision http://www.vito-eodata.be/	Coarse vegetation data
https://worldview.earthdata.nasa.gov	Weather
https://search.remotepixel.ca/#3/40/-70.5	Sentinel-2, CBRES-4, Landsat-8

List of Top 10 Sources of Free Remote Sensing Tutorial

Tutorial Website link	Content of Tutorial (Keywords)
https://www.nrcan.gc.ca/maps-tools-publications/satellite-imagery-air-photos/tutorial-fundamentals-remote-sensing/9309	Canada Centre for Remote Sensing
https://glovis.usgs.gov/QuickStart.shtml	USGS
https://www.ucl.ac.uk/EarthSci/people/lidunka/GEOL2014/Geophysics%2010%20-Remote%20sensing/RST%20Part%20II.htm	University College London
http://www.geoinfo.amu.edu.pl/wpk/rst/rst/Front/overview.html	
https://clarklabs.org/remote-sensing-guide/	Clark Labs
https://www.youtube.com/watch?v=eJFHMestpCo	NASA Earth Tutorial
https://crisp.nus.edu.sg/~research/tutorial/rsmain.htm	Crisp
https://rsc.umn.edu/	Remote Sensing Core Curriculum
https://americaview.org/program-areas/education/remote-sensing-tutorials/	Various Tutorials
https://landsat.gsfc.nasa.gov/a-world-bank-group-remote-sensing-tutorial/	Landsat Science
https://www.coursera.org/lecture/gis-applications/remote-sensing-basics-wr6Kd	R.S basics, Data Characteristics, Imagery, NDVI, Classifying, Products
https://eo-college.org/courses/echoes-in-space/	Radar Remote Sensing
https://online-learning.harvard.edu/course/remote-sensing-data-and-applications	Remote Sensing Data and Applications
https://www.classcentral.com/course/swayam-remote-sensing-and-gis-14272	Data and Image Processing, Thermal, Microwave, Image Spectroscopy, GIS
https://www.e-education.psu.edu/geog883/node/529	Remote Sensing Workflow Tutorials, GIS
https://nature.berkeley.edu/~penggong/textbook/	Remote Sensing, Imaging Analysis
https://www.isprs.org/caravan/default.aspx	Remote Sensing and GIS, Watershed Management
http://home.iitk.ac.in/~blohani/LiDARSchool2008/downloads.html	LIDAR
http://www.cs.unc.edu/~marc/tutorial/	3D Modeling from Images
https://delmar.instructure.com/courses/1271277	GIS
https://www.isprs.org/education/tutorials.aspx	Photogrammetry tutorial
https://www.grss-ieee.org/wp-content/uploads/2014/07/EN_TUTORIAL_COMPLETO.pdf	Remote sensing principles
https://landsat.gsfc.nasa.gov/a-world-bank-group-remote-sensing-tutorial/	Landsat remote sensing
https://www.ucl.ac.uk/EarthSci/people/lidunka/GEOL2014/Geophysics%2010%20-	Introduction remote sensing

Remote%20sensing/Remote%20Sensing%20Tutorial%20Overview.htm	
https://gis.harvard.edu/remote-sensing-video-tutorials	Remote sensing tutorial
https://www.e-education.psu.edu/geog883/node/529	Remote sensing symbology
https://www.microimages.com/documentation/Tutorials/introrse.pdf	Remote sensing environment
http://drr.ikceest.org/remote-sensing-tutorial/	Remote sensing tutorial
https://yceo.yale.edu/image-sources	Image Sourcing
https://gisgeography.com/free-satellite-imagery-data-list/	Data Sourcing
https://gisgeography.com/open-source-remote-sensing-software-packages/	Software Packaging
https://earthdata.nasa.gov/learn/remote-sensors	Remote Sensors
https://www.mtholyoke.edu/courses/tmillett/course/geog205/files/remote_sensing.pdf	Image Processing
http://www.fao.org/tempref/FI/CDrom/T552/root/06.pdf	GIS Integration
https://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM_1110-2-2907.pdf	Engineering & Design
https://earthdata.nasa.gov/learn/remote-sensing#orbits	Orbits
https://crisp.nus.edu.sg/~research/tutorial/rsmain.htm	Remote Sensing Applications & Principles
https://gisgeography.com/lidar-light-detection-and-ranging/	Lidar
https://coast.noaa.gov/htdata/lidar1_z/geoid12b/data/4940/	metadata
https://gisgeography.com/usgs-earth-explorer-download-free-landsat-imagery/	Landsat
https://www.eorc.jaxa.jp/ALOS/en/aw3d30/	Stereo Mapping
https://coast.noaa.gov/digitalcoast/	Sea level
https://www.usgs.gov/land-resources/nli/landsat/us-landsat-analysis-ready-data-ard-artifacts	Landsat ARD
https://earthdata.nasa.gov/earth-observation-data/near-real-time/hazards-and-disasters/air-quality	Air quality
https://earthdata.nasa.gov/eosdis/science-system-description/eosdis-components/cmnr	Common Metadata Repository (CMR)
https://earthdata.nasa.gov/earth-observation-data/near-real-time/hazards-and-disasters/vegetation	Vegetation
https://earthdata.nasa.gov/earth-observation-data/near-real-time/hazards-and-disasters/fires	fires