

The List of Open Data Sources for Agricultural, Food, Land, and Socio-Economic Research

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Table 1. The List of Open Data Sources for Agricultural, Food, Land, and Socio-Economic Research

Database	Link
Aerial photos	https://www.archives.gov/research/cartographic/aerial-photography
AGRIBALYSE	https://doc.agribalyse.fr/documentation-en/agribalyse-data/data-access
Agrometeo	https://www.agrometeo.ch/de
ALOS-PALSAR	https://earth.esa.int/eogateway/catalog/alos-palsar-products
Apollomapping (incl. Quickbird, Ikonos)	https://apollomapping.com/
AQUASTAT (FAO)	https://www.fao.org/aquastat/en/
Centre for Agriculture and Biosciences International (CABI)	https://www.cabi.org/
Copernicus Atmosphere Monitoring Service (CAMS)	https://atmosphere.copernicus.eu/
Copernicus Climate Data Store	https://cds.climate.copernicus.eu/
Copernicus Land Monitoring Service (CLMS)	https://land.copernicus.eu/en
Copernicus Marine Monitoring Service (CMEMS)	https://marine.copernicus.eu/
Earth resources observation and science (EROS, SRTM) center	https://www.usgs.gov/centers/eros/science/usgs-eros-archive-products-overview
EarthData (NASA)	https://modis.gsfc.nasa.gov/
Emissions Database for Global Atmospheric Research	https://edgar.jrc.ec.europa.eu/
ERA5-Land	https://www.ecmwf.int/en/era5-land
ESA - Sentinel-2	https://www.esa.int/Applications/Observing_the_Earth/Copernicus/Sentinel-2
ESA Sentinel Hub	https://www.sentinel-hub.com/
European and Mediterranean Plant Protection Organization (EPPO)	https://www.eppo.int/
European Environment Agency (EEA)	https://www.eea.europa.eu/en
European Soil Data Centre (ESDAC)	https://esdac.jrc.ec.europa.eu/
European Space Agency (EESA):Satinel 1-2	https://sentinels.copernicus.eu/web/sentinel/home
Eurostat	https://ec.europa.eu/eurostat
FADN	https://agridata.ec.europa.eu/extensions/FarmEconomyFocus/FADNDatabase.html
FAOSTAT	https://www.fao.org/faostat/en/#home
GBIF Global Biodiversity Information Facility	https://www.gbif.org/
GEOGLAM Crop Monitor	https://www.cropmonitor.org/
Global Agro-Ecological Zones (GAEZ)	https://gaez.fao.org/
Global Biodiversity Information Facility (GBIF)	https://www.gbif.org/
Global Forest Watch	https://www.globalforestwatch.org/
Global Surface Water Explorer	https://global-surface-water.appspot.com/
Global Yield Gap Atlas (GYGA)	https://www.yieldgap.org/
Google Earth Engine	https://earthengine.google.com/
High-resolution Landsat 4-9.	http://landsat.usgs.gov/
International Trade Centre	https://www.trademap.org/
ISRIC – World Soil Information	https://www.isric.org/
ISRIC SoilGrids	https://www.isric.org/explore/soilgrids
LUCAS Soil Database	https://esdac.jrc.ec.europa.eu/projects/lucas
NASA Crop Drought Monitor (GRACE-FO & SMAP)	https://nasagrace.unl.edu/
NASA Earthdata (LP DAAC, MODIS, Landsat, Sentinel)	https://www.earthdata.nasa.gov/
National Oceanic and Atmospheric Administration NOAA, NASA	https://oceanservice.noaa.gov/ , https://www.ngdc.noaa.gov/eog/
Natura 2000 Database	https://natura2000.eea.europa.eu/
OECD	https://www.oecd.org/
OpenStreetMap (OSM)	https://www.openstreetmap.org/#map=8/46.825/8.224
PlanetScope Agriculture Monitoring	https://www.planet.com/

Sentinel Hub (Copernicus)	https://scihub.copernicus.eu/
SoilGrids	https://soilgrids.org/
Street view (Google, Baidu)	https://www.google.de/intl/de/streetview/
TerraSAR-X	https://terrasar-x-archive.terrasar.com/
The Swiss Food Composition Database	https://nachwertdaten.ch/en/
UN	https://unstats.un.org/UNSDWebsite/
USAID's Famine Early Warning Systems Network (FEWS NET)	https://fews.net/
USDA	https://fdc.nal.usda.gov/ ; https://www.fas.usda.gov/data
World Bank Open Data	https://www.worldbank.org/en/home
World Environment Situation Room	https://wesr.unep.org/
World Food LCA database	https://ira.agroscope.ch/en-US/publication/34029

Note: collected based on previous works[1-8]

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