

6.2 Humanitarian Data Exchange (HDX)

Humanitarian Data Exchange (HDX) is a data platform for storing and sharing humanitarian data. The platform is managed by OCHA's Centre for Humanitarian Data. Types of data available on HDX include: Data includes:

- Geospatial datasets
- CSVs & spreadsheets
- text & image files

Working with HDX

In this activity, you will practice using Humanitarian Data Exchange (HDX) for downloading OSM data for use in QGIS. HDX is an online-based tool, so you will need to be patient with internet connectivity.

Tools and Technology Needed:

- Computer
- Internet Connection

Downloading data

Visit data.humdata.org. In the Find Data search bar, type your area of interest (i.e. Liberia, Tanzania), and click search.



Browse list of available datasets. Select a dataset of interest and download the data file.

The screenshot shows the HDX (Humanitarian Data Exchange) search results for 'Tanzania'. The top navigation bar includes 'OCHA Services', 'FAQ', 'Log in', and 'Sign up'. The main header has the HDX logo, a search bar with 'Tanzania', and navigation links for 'DATA', 'LOCATIONS', 'ORGANISATIONS', and 'QUICKLINKS'. A red 'ADD DATA' button is visible in the top right.

The search results section shows 'Data [111]' with a search bar containing 'Tanzania'. Below this, there are filters for 'Show filter' (a toggle switch), 'Show' (25, 50, 100), and 'ORDER BY: Relevance'. A 'Refine your search' section on the left lists 'FEATURED' and 'LOCATIONS' categories. The 'FEATURED' section includes links to 'CODs [2]', 'Sub-national [68]', 'Geodata [24]', 'Datasets on request [0]', 'Datasets with Quick Charts [23]', 'Datasets with Showcase [35]', and 'Datasets with HXL tags [23]'. The 'LOCATIONS' section lists 'Afghanistan [6]', 'Albania [1]', 'Algeria [19]', 'American Samoa [1]', and 'Andorra [1]'.

The main content area displays three datasets:

- Tanzania-healthsites**: Global Healthsites Mapping Project, 700+ Downloads, Updated January 14, 2019 | Dataset date: Jan 9, 2019. This dataset updates: Live. Download formats: CSV, GEOJSON, ZIPPED SHAPEFILE.
- Learning levels in Tanzania**: Uwezo at Twaweza East Africa, 10000+ Downloads, Updated September 11, 2018 | Dataset date: Dec 31, 2013. This dataset updates: Never. Download formats: XLSX, XLS, GDB.
- Tanzania Road Network**: WFP - World Food Programme, 30+ Downloads, Updated February 27, 2019 | Dataset date: Oct 19, 2018. Download format: ZIPPED SHAPEFILE.

Adding data

Visit data.humdata.org. In the Add Data window, select 'Upload File'. You will need to sign in or register as an organization.

The screenshot shows the HDX homepage. The top navigation bar is identical to the previous screenshot. The main content area features a large teal banner with the text 'The Humanitarian Data Exchange' and the subtitle 'Find, share and use humanitarian data all in one place'. A 'LEARN MORE' button is located below the banner.

On the right side of the banner, there are two sections:

- FIND DATA**: A search bar with the text 'Search Datasets' and a magnifying glass icon. Below the search bar, there are three statistics: '8,567 DATASETS', '248 LOCATIONS', and '1,121 SOURCES'.
- ADD DATA**: A section with two options: 'UPLOAD FILE' (represented by a cloud icon with an upward arrow) and 'ADD METADATA' (represented by a circular arrow icon). The text 'Make your dataset available on HDX' is associated with 'UPLOAD FILE', and 'HDX Connect: let others request your data' is associated with 'ADD METADATA'.

You will need to make sure data file meets HDX standards before uploading data file.