

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.

Below the header, the search results are displayed. On the left, there are filters for 'FEATURED' and 'LOCATIONS'. The 'FEATURED' section lists categories like 'CODs', 'Sub-national', 'Geodata', 'Datasets on request', 'Datasets with Quick Charts', 'Datasets with Showcase', and 'Datasets with HXL tags'. The 'LOCATIONS' section lists countries like 'Afghanistan', 'Albania', 'Algeria', 'American Samoa', and 'Andorra'.

The main content area shows a list of datasets. The first dataset is 'Tanzania-healthsites' by 'Global Healthsites Mapping Project', with 700+ Downloads, updated January 14, 2019, and dataset date Jan 9, 2019. It offers download options for CSV, GEOJSON, and ZIPPED SHAPEFILE. The second dataset is 'Learning levels in Tanzania' by 'Uwezo at Twaweza East Africa', with 10000+ Downloads, updated September 11, 2018, and dataset date Dec 31, 2013. It offers download options for XLSX, XLS, and GEOJSON. The third dataset is 'Tanzania Road Network' by 'WFP - World Food Programme', with 30+ Downloads, updated February 27, 2019, and dataset date Oct 19, 2018. It offers a download option for 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 has 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 is a 'FIND DATA' section with a search bar and a magnifying glass icon. Below the search bar, there are statistics: 8,567 DATASETS, 248 LOCATIONS, and 1,121 SOURCES. Below the statistics, there is an 'ADD DATA' section with two options: 'UPLOAD FILE' (represented by a cloud and upload icon) and 'ADD METADATA' (represented by a circular arrow icon). The 'ADD METADATA' option is labeled 'HDX Connect: let others request your data'.

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