

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 sidebar on the left allows refining the search by 'FEATURED' (CODs, Sub-national, Geodata, etc.) and 'LOCATIONS' (Afghanistan, Albania, Algeria, etc.).

The main content area lists three datasets:

- Tanzania-healthsites**: Global Healthsites Mapping Project, 700+ Downloads, Updated January 14, 2019. Download formats: CSV, GEOJSON, ZIPPED SHAPEFILE.
- Learning levels in Tanzania**: Uwezo at Twaweza East Africa, 10000+ Downloads, Updated September 11, 2018. Download formats: XLSX, XLS, GDB.
- Tanzania Road Network**: WFP - World Food Programme, 30+ Downloads, Updated February 27, 2019. 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 banner is teal and features the text 'The Humanitarian Data Exchange' with the tagline 'Find, share and use humanitarian data all in one place' and a 'LEARN MORE' button.

On the right side, there is a 'FIND DATA' section with a search bar and statistics: 8,567 DATASETS, 248 LOCATIONS, and 1,121 SOURCES. Below this is an 'ADD DATA' section with two options: 'UPLOAD FILE' (Make your dataset available on HDX) and 'ADD METADATA' (HDX Connect: let others request your data).

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