Data Sharing with Humanitarian Data Exchange (HDX)

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Data can lead to:

- Information
- Knowledge
- Decisions
- Evidence
The mission of the Centre is to work with partners to increase the use and impact of data in the humanitarian sector.
Focus Areas for the Centre

- Data Services
- Data Policy
- Data Literacy
- Network Engagement

centre for humdata
Humanitarian Data Exchange
Partners Engaged
The Humanitarian Data Exchange is OCHA’s open platform for sharing humanitarian data.

Our objective is to make humanitarian data easy to find and use for analysis.
What does HDX offer?

We simplify data sharing
We extend the impact of data
We tell the story of data
We help standardize data
Help standardize data across the operation
Simplify Data Sharing

@UNOSAT Launches Flood Portal To Maximize Impact Through Data Sharing | #GIS @humdata

bit.ly/1VOSjvm

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Thanks to @ucl TSR, Mark Saunders for sharing gust footprint data now on @humdata HurricaneMatthew data.humdata.org/dataset/hurric ...

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#humanitarian #data sharing: We’re ready to share our #APIs & solutions for data validation so others can share their data with @humdata
Tell the story of your dataset
Extend the impact of your data

Increase your data visibility
Reach a larger audience
Get users feedback
Allow your data to be combined with other sources
Example Types of Data in HDX

- Baseline Data
- Population
- Statistics
- Geospatial Data
- Infrastructure
- FTS
HDX in figures

Over 288 organisations sharing relevant humanitarian data on HDX

More than 4,900 datasets shared on HDX

5170 users registered in HDX

Over 250,000 unique visitors
Humanitarian Exchange Language (HXL)

**What is HXL?**
HXL is a different kind of data standard, designed to improve information sharing during a humanitarian crisis without adding extra reporting burdens.

**Adding HXL tags**
Add HXL tags between the last row of headers and the first row of data.

Use attributes like +code to refine tags.
If you need to create new tags, start them with #x_ (e.g., #x_virulence).

**Some suggested attributes**
- People: #jname, #first, #last, #age, #gender
- Dates: start, end
- Impact: killed, injured
- Addresses: #location, #country, #postcode
- Thematic: #sector, #sector3

**Tag + attribute examples**
- #adm2 + code: admin 2 p-code
- #affected + f: females affected
- #geo + bounds + url: link to shape file
- #description + fr: French description
- #meta + source: data source

**Places**
- #region: multi-country region
- #country: country name
- #adm1: administrative
- #adm5: subdivisions
- #adm1 + code: admin level 1 p-code
- #loc: place (camp, building, etc.)
- #geo: geographical info
- #geo + lat: latitude
- #geo + lon: longitude

**People and households**
- #affected: number affected
- #inneed: number in need
- #targeted: number targeted
- #reached: number reached
- #population: population category
- #beneficiary: beneficiary category

**Responses and other operations**
- #activity: project or activity name
- #org: organisation name
- #contact: contact info
- #sector: sector or cluster name
- #indicator: indicator name
- #capacity: response capacity
- #output: activity output
- #operations: operation-related info

**Crisis and incidents**
- #crisis: crisis/emergency name
- #cause: crisis or incident cause
- #impact: crisis or incident impact
- #severity: crisis or incident severity

**Extras**
- #date: day or period
- #status: e.g. active
- #description: general text
- #meta: general metadata

[Source: hxlstandard.org]
HXL is a different kind of data standard, designed to improve information sharing during a humanitarian crisis without adding extra reporting burdens.

How it works:

Add a row to your columns for HXL tags based on the suggest attributes. This will ‘convert’ the data when uploaded to the Humanitarian Data Exchange.
Data is part of our Leadership

IFRC is the Secretariat, National Societies, and volunteers.

We aim to be a data-driven organization making evidence-based decisions. It is cited in our 2020 strategy.
IFRC organization profile

National Societies Engaged
- American Red Cross
- Asia Pacific Disaster Resilience Centre
- British Red Cross
- Canadian Red Cross
- Cote D'Ivoire Red Cross
- Danish Red Cross
- Finnish Red Cross
- French Red Cross
- Kenya Red Cross Society
- Nepal Red Cross Society
- Netherlands Red Cross
- Senegal Red Cross
“Only through sharing accurate and timely data we can experience the real added value of Information Management”.

“I believe that sharing data with agreed upon standards is crucial to allow all actors engaged in a humanitarian response to easily access and analyse those datasets”.

“What is the added value of having high quality data, if we do not share it among the actors engaged in the response?”
Standardize the dataset with HXL tags
American Red Cross West Africa Project

From February to October 2014, the American Red Cross and its local Red Cross partners completed an effort to extensively map areas within a 15-kilometer distance of the shared borders between Guinea, Liberia, and Sierra Leone.

The goal of this work was to create an open and comprehensive dataset of communities for West Africa and to ensure that decision makers, humanitarian workers, and community stakeholders are better aware of water, sanitation, health, and community resources before and during the next crisis.

To complete this mapping, the American Red Cross launched a mapping center in Guékédou, Guinea, and used it as both a base of operations and a community engagement facility. Over 100 volunteers helped to complete a rapid assessment of the region, visiting over 7,000 communities by motorcycle to complete a vulnerability survey with the village leader. Next, over 100 communities were selected for a round of detailed mapping, focusing on collecting the location and information about every water point, health facility and other community resource in the area. In addition, we led technical skills trainings and mapping events both in Guékédou and across the region.

7000 Villages
100 Volunteers
700 Downloads
Ongoing Response
The Humanitarian Data Exchange has an FAQ with guides to help you get started: https://data.humdata.org/faq

We are here to help:

- Connect with your Regional IM Lead
- Talk with the SIMS team
- Reach out to the IFRC GO Team
- Talk with one of the National Societies already using HDX
SHARING DATA: BASIC CONSIDERATIONS

- **WHO:** Need the data? What is their role?
- **TYPES:** What type of data is it? Is there personally identifiable information?
- **LICENSE:** Who owns or has access to the data? What is the license for data use?
- **WHY:** What is the purpose of sharing? Who can share the data?
- **HOW:** What is the format? Can it be exported? Where will it be stored? How will you track usage/feedback?

- Consent
- Aggregated? Disaggregated?
- License/ Format
- Minimization (Only what you need)
- Owner/ Data Controller
- Feedback Loop: How Data Was Used
THANK YOU

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