

NEEDS MAP DATA CHALLENGE – DATA DESCRIPTION

Needs Map Data Set

Needs Map and partners have compiled an extensive dataset spanning from February to June 2023, offering invaluable insights into the dynamics resulting from a natural catastrophe of this magnitude.

Leveraging GIS alongside our mapping-based services enabled us to deliver targeted material assistance tailored to individual needs. A total of over 144,000 individuals utilised our services. The dataset that we curated includes crucial information such as:

Geographical Information

- The address, as put into the WhatsApp chatbot (province, district, and neighbourhood)
- Location data gathered from the individual's phone
- GIS coordinates with latitude and longitude

Needs Assessment

- Details on quantities
- Categorized Needs
 - E.g.: Food Packages, Tents, Clothing, Underwear, Elderly Needs, Women's Personal Care, Hygiene, Men's Personal Care, Hygiene, Baby Diapers, Children's Needs, Disability Needs

Request and Delivery Details

- Time and date of the need request and support arrival

Status of Support

- All needs were verified by phone and checked thoroughly
- The status of the support, such as received, not reached, or rejected

Individual Profile

- Language profile
- Gender
- Household size¹

¹ 46% of the total data contains household information. Please keep in mind that, in the face of disaster conditions, considering the psychological state of individuals and the need for rapid response, it may not be possible to collect all üdata comprehensively.

Emlakjet Data Set

In addition, our partner Emlakjet is providing a data set to analyze how large-scale earthquakes affect the housing market. The real estate firm has a detailed and large set of data, containing the following information:

Property Information

- GIS location
- Latitude, Longitude
- Acreage
- Floor Count
- Building Age
- Unit Details: floor of the flat, number of rooms
- Zoning Plan
- Province
- District
- Neighbourhood
- Street/Avenue

Individual User Profile

- Language profile
- Gender
- Site Membership Date

Advertisement Details

- Initial Issuance Date
- First Price & Sales Price
- Reporting Date
- Price at Reporting Date
- Currency at Reporting Date
- Ad Status
- Reason and Date for Ad Removal
- Type of Issuance (e.g., for what purpose or use the issuance is made)

+++ Please note that Needs Map and its partners treat all data with utmost consideration of ethical and legal standards, ensuring the protection of personal information. An academic board, composed of experienced experts from renowned universities, will oversee and endorse the Data Challenge. Potential participants are required to sign individual confidentiality agreements before receiving the data. +++