DISPLACEMENT TRACKING MATRIX | DTM
TRACKING AND MONITORING SYSTEM FOR DISPLACED POPULATIONS

TRACKING DISPLACEMENT
DTM is a system composed of a variety of tools and processes designed and developed to track and monitor population displacement during crises.

DATA AND INFORMATION
DTM is designed to regularly capture, process, and disseminate various layers of information to provide a better understanding of the evolving needs of a displaced population, on site or en route.

PHASES OF IMPLEMENTATION
DTM has been designed as a structured approach which corresponds closely with the information needs of the different phases of emergency and recovery operations.

FIELD DEPLOYMENT
DTM has been deployed and continuously refined in many field operations, responding in both natural disaster and conflict settings.

TECHNOLOGY SOLUTIONS
DTM as a system is very flexible and has been implemented using a variety of technological solutions ranging from collection of standalone tools and software to a comprehensive and integrated web-based application system. This has been a major advantage in coping with complex operating environments in the field where the applicability of certain tools is limited by factors such as security, connectivity, and accessibility.
IMPLEMENTING DTM

**PLANNING**
This initial phase includes all planning for:

- Identification of Assessment Target to provide initial baseline for the overall DTM activities planning.
- Staffing and Logistics Management
- Preparation and Selection of Tools including finalized questionnaires, computing devices, databases, and other software application systems.
- Team Management including setting up team structure and reporting flow.
- Team Training and Simulation Exercise
- Information and Communication Strategy for the assessment activities.

**DATA COLLECTION**
Data collection uses various methods, including:

- Key Respondent Interviews
- Focus Group Discussions
- Registration
- Observations and Physical Counting
- Sampling and Other Statistical Methodologies

The method of data collection can vary depending on the situation of the specific location or movement category.

**REPORTING**

- Development of information products: The DTM information is shared in various formats to enable maximum support to humanitarian actors’ operations.
- Data, Information and Report Dissemination: All data, information, and reports produced out of DTM are developed within the IOM Data Protection Manual and intended for public domain.

**PROCESSING AND ANALYSIS**

Data processing and analysis activities include:

- Manual Data Verification: Where errors are identified or further information is needed, DTM field teams verify the data via the various methods available.
- Automatic Data Validation: DTM data entry interfaces have always been designed to be able to highlight invalid data and minimize errors on data input.
- Quality Control: Is conducted throughout the entire process by the team structure itself and technical specialist as well as other stakeholders on the ground.
- Comprehensive Analysis Process: Involving experts from relevant humanitarian sectors.

**INFORMATION PRODUCTS**
Information outputs from DTM can vary from raw data sharing to comprehensive DTM analysis reports tailored specifically to provide timely and accurate information regularly during humanitarian response and recovery operations.

**DTM AND CCCM**
IOM as the Global Cluster Lead for Camp Coordination and Camp Management (CCCM) in emergencies induced by natural disasters has been using DTM as the main tool for tracking and monitoring sites and camps hosting internally displaced populations.

Existing CCCM field implementations are using DTM not only in emergency response operations but also as a preparedness measure by integrating DTM into capacity building activities.

**DEPLOYING DTM**
IOM maintains an expert roster to support the implementation of DTM. The planning stage will be critical to thoroughly understand the requirements, settings and constraints, and to decide the best DTM implementation strategy to be deployed, including the supporting technology.

DTM is not exclusively deployed during emergency response operations; it has also proven to be a highly beneficial component of preparedness activities.

For more information or to request support for DTM deployment, please send an email to prd@iom.int

**MODULARITY**
As a modular system, DTM is very flexible and can be implemented in a variety of ways depending on the requirements of a given context. Past and existing implementation includes conflict, natural disaster, and complex emergency settings, from small to large cases of displacement.

**DEVELOPMENT**
IOM’s core DTM development team, consisting of experts at headquarters in Geneva and in the field, is continuously working to enhance the system both on its methodology as well as the supporting technology. This is done by making the best use of lessons learned from past and existing implementations as well as by integrating relevant new technological developments.