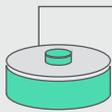


# Maintenance Service and Development for UNMAS Iraq Internal Information Management System

The scale, scope and complexity of the explosive contamination in the areas liberated by ISIL is significant and exceeds existing and available national explosive hazard management capacities.



This previously unseen scale and complexity of contamination requires a comprehensive explosive hazard management response as a first step to address the problem before full-fledged humanitarian, stabilization and development assistance efforts can proceed.



The complex IED fabrication in Iraq is unprecedented, with security forces and civilians suffering heavy losses as a result of the widespread use of these devices.

(Source: UNMAS)

## 3iS support to UNMAS in Iraq



Maintenance Service and Development for UNMAS Iraq Internal Information Management System builds on the previous two phases' achievements from the Information Management and Mapping Support to UNMAS project. The internal IM system is designed for survey, clearance and Risk Education (RE) purposes on one hand, and the Quality Management of these activities on the other.



The IM system facilitates structured tracking of the full operational project cycle, from the establishment of spot tasks/Suspected Hazardous Areas (SHA)/Confirmed Hazardous Areas (CHA) through survey, tasking and planning, operational implementation, to final reporting and post-survey/clearance outcome.

UNMAS launched a Global IM Solution (IMS) in February 2019 with the aim to implement an integrated and harmonized information management approach across its worldwide programs. SMART is one of the working models for IMS to draw experiences and lessons. IMS is developing Minimum Data Requirements (MDR) to strengthen its global advocacy and analysis efforts and UNMAS Iraq will be well prepared to contribute to MDR with SMART System in place.

Project start date:

**January 2018**

Donor: **UNMAS**

Current project:

**Maintenance Service and Development for UNMAS Iraq Internal Information Management System**

Project budget:

**USD 1,484,750**

Number of partners 3iS currently supports: **8**

## Activities and accomplishments



### Data Processing:

A key part of the information management cycle is data processing. 3iS builds digital activity forms that are used

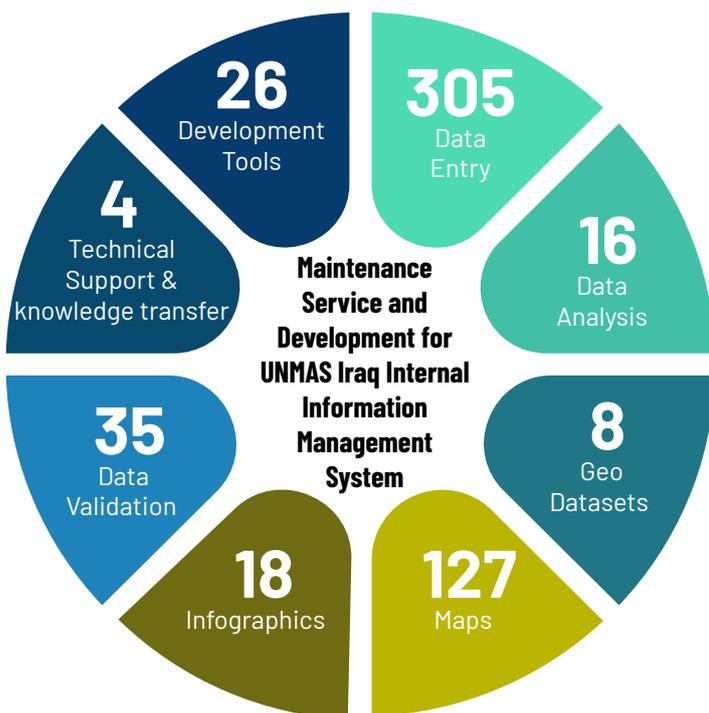
by IPs to collect and submit information to a central mine action database. The forms are then checked for completeness, and missing information is then updated in accordance with mine action standards agreed upon between UNMAS and 3iS. Where forms shared do not meet these standards, further consultations are made with UNMAS.



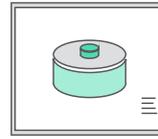
### Statistical Analysis - iSMART:

Through our dedicated mine action database, we provide reliable figures for project management, as well as performing analyses on

UNMAS mine action activities over a period of time for their operation. The interface provides data download functionality accessible to UNMAS IM, QA and program managers.



### System for Mine Action Reporting and Tracking (SMART):



3iS keeps enhancing System for Mine Action Reporting and Tracking (SMART) to meet the demands of UNMAS Iraq, following a set of user requirements. SMART is powered by the ArcGIS Enterprise

technology. The system allows the data to be stored in a centralized server that can be accessed through a user-friendly web interface, and the data is immediately updated when edited. SMART follows a strict control system for data editing, programming and planning of operations. As a reporting tool SMART also generates automatic PDF IMSMA reports that are shared back with the IPs.



**Maps Production:** The project's GIS unit uses the datasets processed to create maps of hazard locations, areas cleared and items removed, or any other request from UNMAS. High resolution satellite imagery from DigitalGlobe is also being used to provide additional background information on the maps.



**UNMAS Online tools:** 3iS has built an array of online tools to support UNMAS and partners in information processing and data visualization, as well as tools to aid partners in conducting reconnaissance desktop assessments:

**Data Validation:** field reports pass through three different levels of validation, during when the reports are either accepted or sent back to the IPs if vital information is missing. Validation levels web interface are access controlled and only available to selected group of users.

**Image swipe/comparison app:** A side-by-side comparison of satellite imagery at the same location from two different time periods. Partners can conduct a desktop survey to preview the extent of damage before going out in the field.

**Number of partners supported in the clusters: 8**



Agriculture



Health



Mine Action sub cluster



Protection



Shelter



WASH