Information Management in Mine Action
3 Pillars of Work of the GICHD IM Division:

1. IM Capacity Development

2. IM Technical Development

3. Human Security outreach
The objective of IM is:

To enable organisations to leverage information towards evidence-based decision-making and results-based management.
Information Management is:

The process of turning data into **useful** and **usable** information.
IM Cycle

Knowledge

1. Information requirements identification
2. Data collection
3. Data processing and validation
4. Data analysis
5. Information reporting

GICHD – Information Management Division
What is IM?

- **Raw data**
- **Inputs**

**Added-value**
- Data made digestible

**Data & Information**
- Lessons Learned
- Experience
- Validation
Know your audience and their information requirements
Strategic

Operational

Summarized
Infrequent
External
Wide scope

Detailed
Frequent
Internal
Narrow focus
The stages of a stylised mine action programme

- **Conflict**
  - Entry of international organisations and assets
  - Development of basic capacities
  - Support for refugees and humanitarian operations

- **Stabilisation**
  - Rapid build-up of operations
  - Creation of national programme
  - Develop high-level capacities
  - Local adaptation of techniques and technologies
  - Many tasks supporting reconstruction projects

- **Priority Reconstruction**
  - Progressive transfer of responsibility to national authorities and reduction of international staff levels
  - Start and build-up of local funding
  - Integration with development planning mechanisms

- **Assisted Development**
  - Full indigenisation of management
  - Winding down of international funding
  - Mine action fully demand-led by sectoral, area, and community planners

- **Development**

COST vs TIME

- Mine Action for Internal Security
- Mine Action for Reconstruction
- Mine Action for Humanitarian Purposes

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Effective IM System

Effective IM system facilitates/improves the capabilities of decision making processes, resulting in:

• Precise overview and scope of mine/ERW contamination
• Structured planning and implementation
• Efficient allocation of resources and assets
• Reduction of cost
• Reduction of accidents/incidents
IMSMA^{NG}

Information Management System for Mine Action (IMSMA)

- Supports the needs for decision support, monitoring and reporting
- Centralisation of information on a national level
- Improves capacity for planning
- Enables coordination between operators and national authorities
- Facilitates reporting according to IHL
IMSMA supports all pillars of mine action
National Mine Action Database

- Demining
  - Survey (NTS, TS)
  - Clearance/Progress
  - Completion/Certification

- Victim & Assistance
  - Victim/Incident
  - Casualty/Accident
  - Assistance

- Education
  - Mine Action Integration with RE
  - Target group at risk
  - Gender disaggregated data

- Impact
  - Mine Action Planning & Prioritization Process
  - Pre- and Post Clearance Assessments
  - Quality Assurance Monitoring, etc.

- Outreach
  - Linking Mine Action with Development
  - Sharing MA data with development partners
  - Sharing data with relevant gov. ministries

National Mine Action Database (IMSMA)
IMSMA supports wider definition of mine action
Data collection

Data analysis

Information reporting

IMSMA Core (Storage and validation)

MINT (Reporting)

Geoservices (data analysis)

Apps (Data entry)

External Data sources

Organisation and processes (information requirements)

Information Management System for Mine Action
IMSMA Core Hazard Description

Hazard ID: MF-CA-1503
Hazard Name: AF/0207/32188/MF0014
Area Size (m²): 139140
Information Management Support to Ministry of Defence, State Emergency Service of Ukraine, and Ministry of Transport in partnership with OSCE PCU

- Two A1 MIQ trainings took place in Kyiv 2014, 2016
- Participation at A1 and A2 trainings in Spiez
- Support to IMSMA “users trainings” and to IMSMANg working group activities
- IM Advices to establish functional Information Management
State Emergency Service of Ukraine

- 2015 IMSMAng pilot project successfully finalized
- 2016 IMSMAng implementation stage – ongoing
- A1 and A2 trained operators
Information Management Support to Ukraine

Plans for 2017

• IM assessment to build a baseline report for more targeted IM support
• IM training to decision makers
• IM stakeholders Workshop
Information Management
Support to OSCE SMM

- 2016 - development and customization of IM system
- 2017 IM system deployment