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## > IMSMA<sup>NG</sup>



The GIS perspective to mine action

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## > Background

- Humanitarian information and decision support system
- Used for planning, prioritization and follow up of Mine Action activities
- 1 200 Installations in 60 countries
- 3 000 trained users

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## > Overview

- Provided free of charge to national authorities and research centers
- Institutional support – developed and maintained by GICHD
- Certified training
  - in-country trainings
  - regional workshops
- Continued support free of charge
  - in-country
  - remote
  - documentation
  - Wiki
  - implementing partners
- Adaptable to specific country requirements

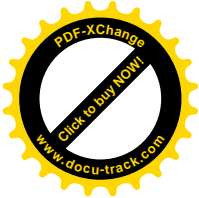
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## > IMSMA<sup>NG</sup> Suite

IMSMA <sup>NG</sup> Core System	IMSMA <sup>NG</sup> Mobile	IMSMA <sup>NG</sup> Remote Entry
<ul style="list-style-type: none"> <li>• Java/J2EE Client-Server</li> <li>• ArcGIS Engine</li> <li>• MySQL Database</li> <li>• i-Report reporting engine</li> <li>• maXML standard</li> </ul>	<ul style="list-style-type: none"> <li>• Windows Mobile</li> <li>• ArcPAD</li> </ul>	<ul style="list-style-type: none"> <li>• Runs on most browsers</li> </ul>

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## > GIS Capacities



- Integrated GIS via ArcEngine
- Visualise and analyse Mine Action activities
  - Auxiliary data
  - Operational data
- Geospatial data manipulation via intuitive user interface
  - manual entry
  - import (excel, shapefiles)
  - on-screen editing
- Geospatial data support
  - locally stored data
  - on-line maps
  - integration with mine action data

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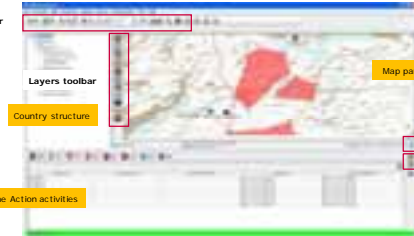
## > IMSMA<sup>NG</sup> User Interface

GIS toolbar

Layers toolbar

Country structure




Mine Action activities



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## > IMSMA<sup>NG</sup> GIS utilisation


 Advanced	<ul style="list-style-type: none"><li>• Link to ArcGIS Desktop, Server via MySQL</li><li>• Advanced analysis</li></ul>
 Intermediate	<ul style="list-style-type: none"><li>• Link to ArcGIS Desktop via IMSMA geodatabase</li><li>• Spatial analysis</li></ul>
 Basic	<ul style="list-style-type: none"><li>• Integrated GIS via ArcEngine</li><li>• Visualisation</li></ul>

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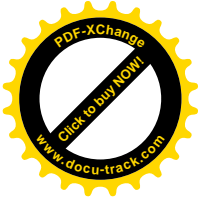
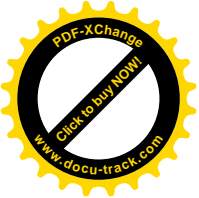
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## > Jordan Land Release Overview

February 2006



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> **Mount Nebo Case Study**

- Systematic Survey of hazard tasks
- Information on accidents
- Information on MRE activities
- Information on land use
- Recommendations on clearance requirements
- Defining clearance priorities
- Monitoring tool for Mine Action activities

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