

Proceedings

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The Layout of GIS under Development by the European Commission for Headquarters and In-field Decision Support

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Layout of a HQ and "in-field"

GIS for the EC

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The Issue - Information Management
INSUFFICIENT KNOWLEDGE

Inadequate data
 Limited information exchange
 Poor reporting
 Information overload
 Information extraction?

PROBLEMS

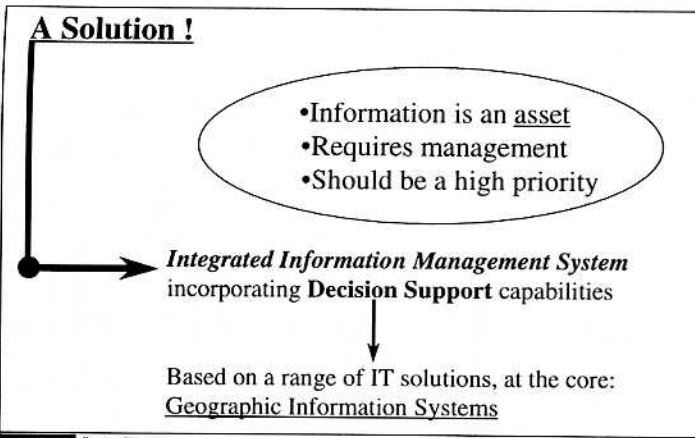
Inappropriate Priorities
 Inefficient use of resource
 Confusion
 Poor accountability
 Value for Money

Overriding goal is for IMPROVEMENTS in:
 • *Priorities, Accountability, Working practices, Accessibility*

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HQ and Field GIS for EC

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Geographic Information Systems

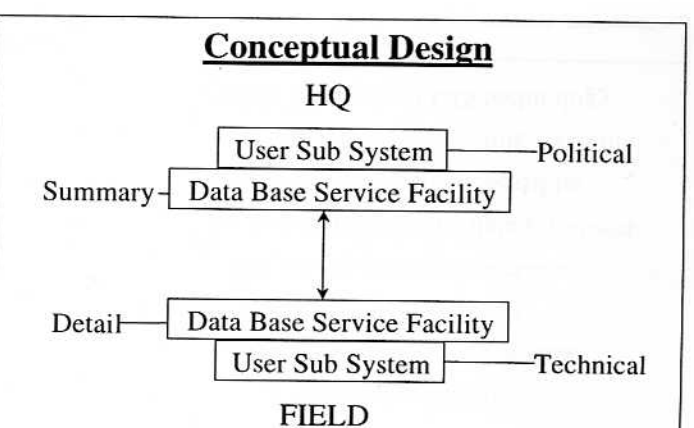
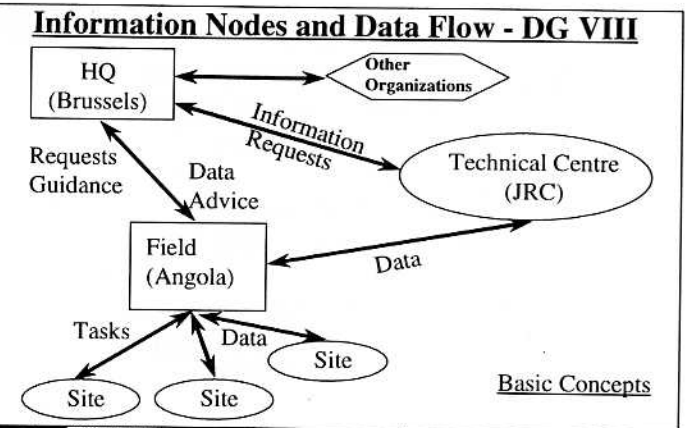
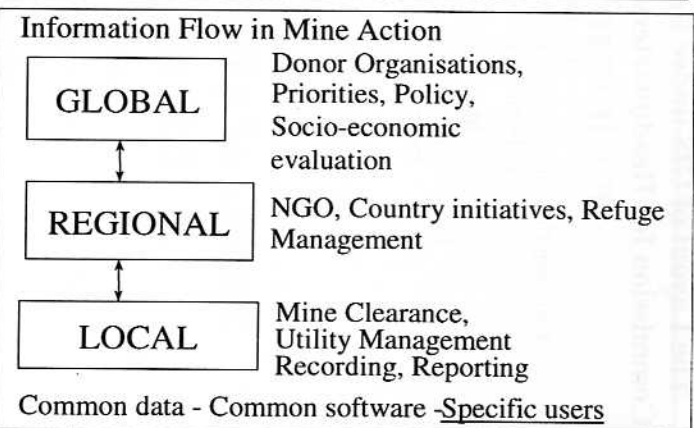
Spatial data management tool which is dedicated, sophisticated, powerful, adaptable and "established".

Enhanced understanding of data

- Improved spatial search and query
- Harmonisation of individual geo-referenced data
- Comparison of situations
- Spatial analysis > new datasets and information

Support Decision Making procedure

SOME EXAMPLES



Overview

Different User and Database Systems for HQ and Field

Varied data banks - map, image and attributes

Temporal aspects

Data Security

Meta-data

Model for the Commission and others?

Geographic Information Systems- II

- Effective Technology,
- Varied scale of operation - global, regional, local
- Increased Productivity & Faster Decision Making

What can't they do? And why not?

Give you all the answers just like that!

- Need data - located, captured, organised, expensive
- Quality issues - crucial
- Standards - Metadata, data exchange, interoperability
- Still "predominantly" a specialist domain
- Only basic functions easily undertaken - programming

Making the information available

Internet (including satellite communications - phone, relay)
World Wide Web

Hardware independent multimedia environment
Hypertext Structure : Easy to use (Decision Makers?)
Information secure and protected.
On-line and searchable.

Trends: applications and gateways to database and GIS software

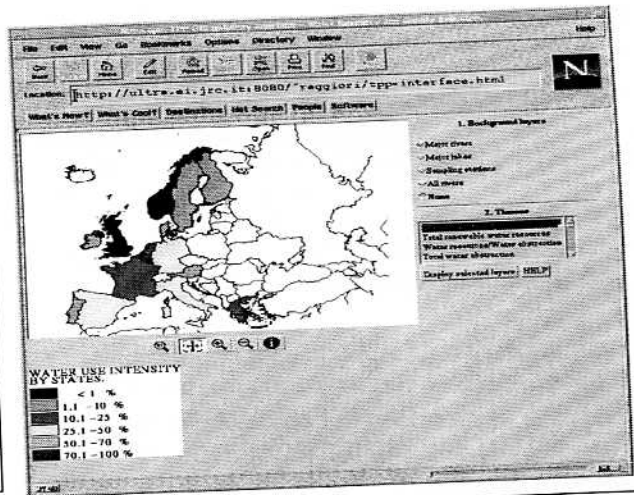
Map publishing & full GIS functionality

Virtual Clearing House & Electronic Library (viz. JMU)



HQ and Field GIS for EC

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ISSUES

Interface to UN MIS
UN Field = Site Management
“Feeds” information to EC “Field”

UN Field = Mine Clearance
EC = Decision Support

UN HQ = EC HQ?
Goals & Objectives Different
Data Ownership: Free Access?



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Summary

- Information is an asset. Must be managed.
- GIS is the key - can unify different types of data.
- Multi-media nature of information and data.
- Will not function without supporting databases.
- Sensor Technology key element in the data provision.
- Information useless unless it is easily accessible.
- WWW easy to use dissemination / updating medium.
- Integration of WWW / Databases / GIS technology.



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European Commission

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These proceedings provide a collection of presentations and pictures of the International Exhibition, Workshops and Training Courses on De-mining Technologies, organised by JRC, under the auspices of Commissioner Mrs. E. Cresson, in Ispra from the 29th of September to the 01st October 1998. They also include summaries of all discussions and recommendations in the different sessions. The training courses are included only through abstracts. The CD-ROM version of the proceedings do include the full documentation used in the training courses.