



Introduction to the use of GIS & MIS in the Government of Afghanistan

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Introduction

Both MIS & GIS are types of Info Systems.

Their main functions are to:

- Collect
- Store
- Process or analyze
- Disseminate or publish it

GIS data having XY Coordinates, it is more visualized and easy catching tool

How databases are developed ?

1. Requirement analysis
2. System design
3. System coding and programing
4. Testing and maintenance

Successful database : to achieve users satisfaction

System development in the Govt- HOW

- Identify senior management information needs
- Convert the needs into core business requirement
- Decide upon the best software process model
- Develop a very simple database, give it to the users for implementation
- Communicate users regularly to fix bugs and errors
- Make aware senior management of Achievement

Challenges in Govt

Technical:

- Identifying information need is a big challenge
- limited business knowledge, specially developers
- Poor IT infrastructure to run IS
- High cost of System Maintenance
- Risk reduction is done in reaction base, specially in GIS

Challenges in Govt Cont.....

Management Challenges

- Awareness & Accountability
- Management and operational staff support
- Technical team maintenance
- Dynamic processes & operations
- Alignment of system objective to achieve business goals
- Resistance to the transition from paper to the digital machines like computer

Challenges in Govt Cont....

Specific GIS issues:

- GIS concept is new to Afghanistan
- Data acquisition is very expensive. For example, Satellite images
- Security is the major problem for coordinate collection
- No holistic approach, solutions are reaction base

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