State Spatial Data Infrastructure

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Intergraph

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State Spatial Data Infrastructure

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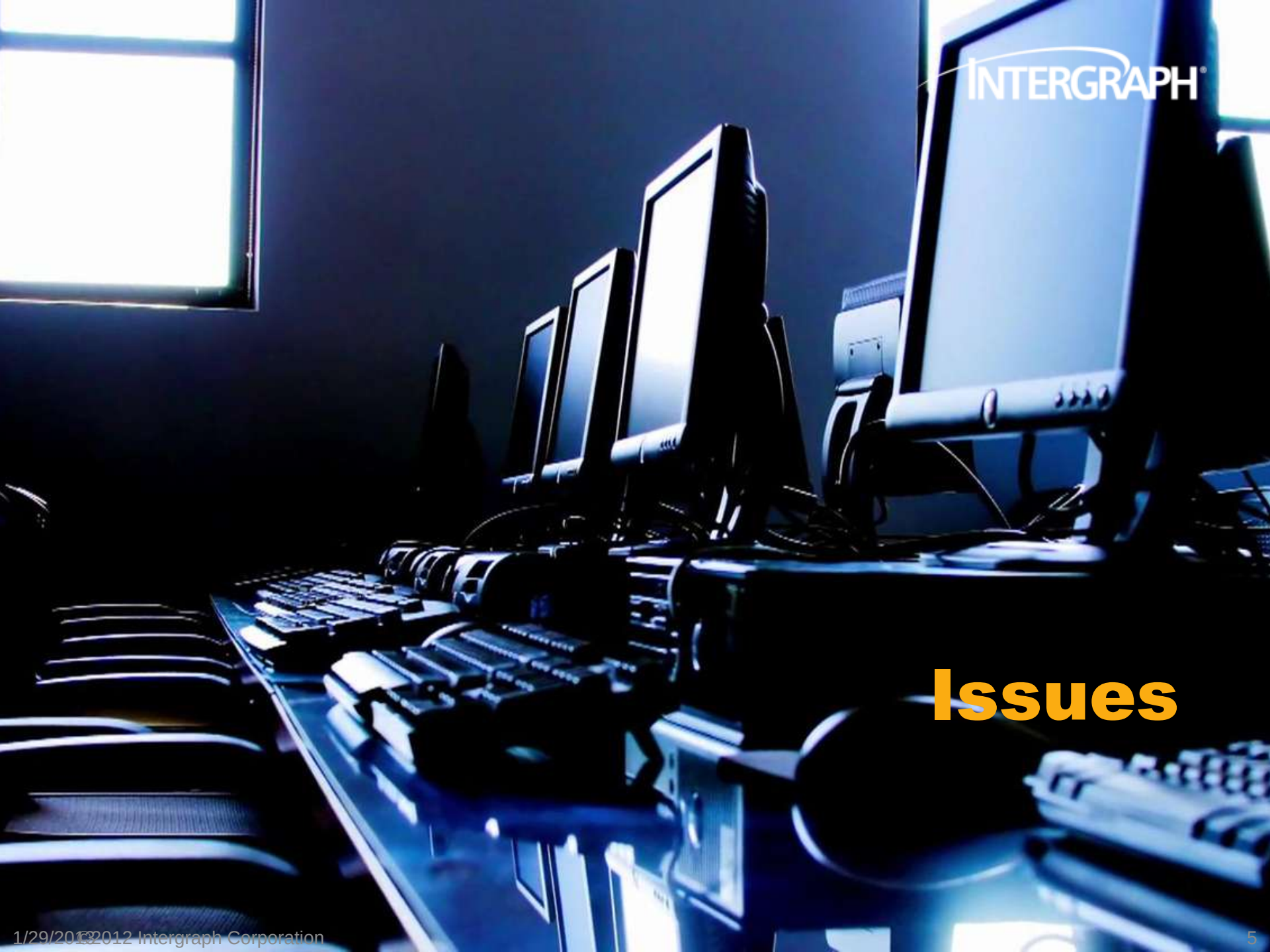
Geospatial information is **critical** for decision-makers



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DATA TRAPPED IN DEPARTMENTAL SILOS DUE TO:

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DATA TRAPPED IN DEPARTMENTAL SILOS DUE TO:

- Different Data structures, format, platforms, and software

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TOO MUCH INDEPENDENT EFFORT FOR DATA ACCESS, LEADING TO:

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TOO MUCH INDEPENDENT EFFORT FOR DATA ACCESS, LEADING TO:

- Operational inefficiencies

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TOO MUCH INDEPENDENT EFFORT FOR DATA ACCESS, LEADING TO:

- Operational inefficiencies
- Lack of communication & collaboration

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TOO MUCH INDEPENDENT EFFORT FOR DATA ACCESS, LEADING TO:

- Operational inefficiencies
- Lack of communication & collaboration
- Poor distribution of information

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What is an SDI?

SDI = **S**patial **D**ata **I**nfrastructure

- **A spatial data infrastructure (SDI) is a framework of spatial data, metadata, standards, users, and tools that are interactively connected in order to use, collaborate, and distribute spatial data in an efficient and flexible way.**

What SDI Does

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THE POWER OF SDI:

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THE POWER OF SDI:

- Improve government collaboration
- Improve communication
- Improve public distribution

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THE INTERGRAPH DIFFERENCE:

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THE INTERGRAPH DIFFERENCE:

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OGC®
Principal Member

INSPIRE - Infrastructure for Spatial Information in Europe

THE INTERGRAPH DIFFERENCE:

- Standards-based technology
  - OGC
  - INSPIRE
  - ISO
- Improve communication
- Improve public distribution

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SDI APPLICATIONS IMPROVE:

- collaboration
- productivity
- information sharing
- ease of maintenance
- administration

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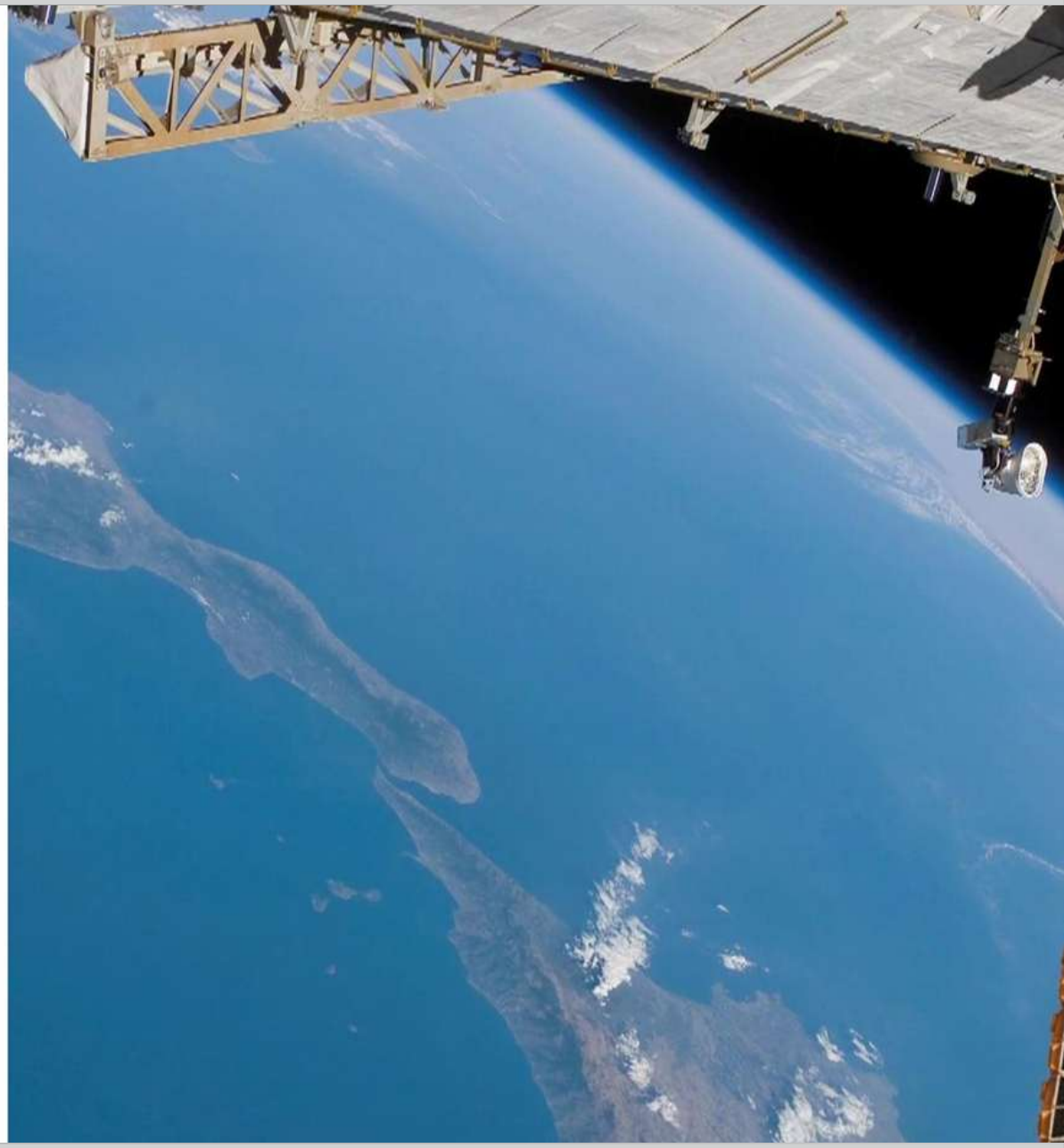
Departments across the enterprise have access to data due to the use of **common data structures, access standards, and process standards.**



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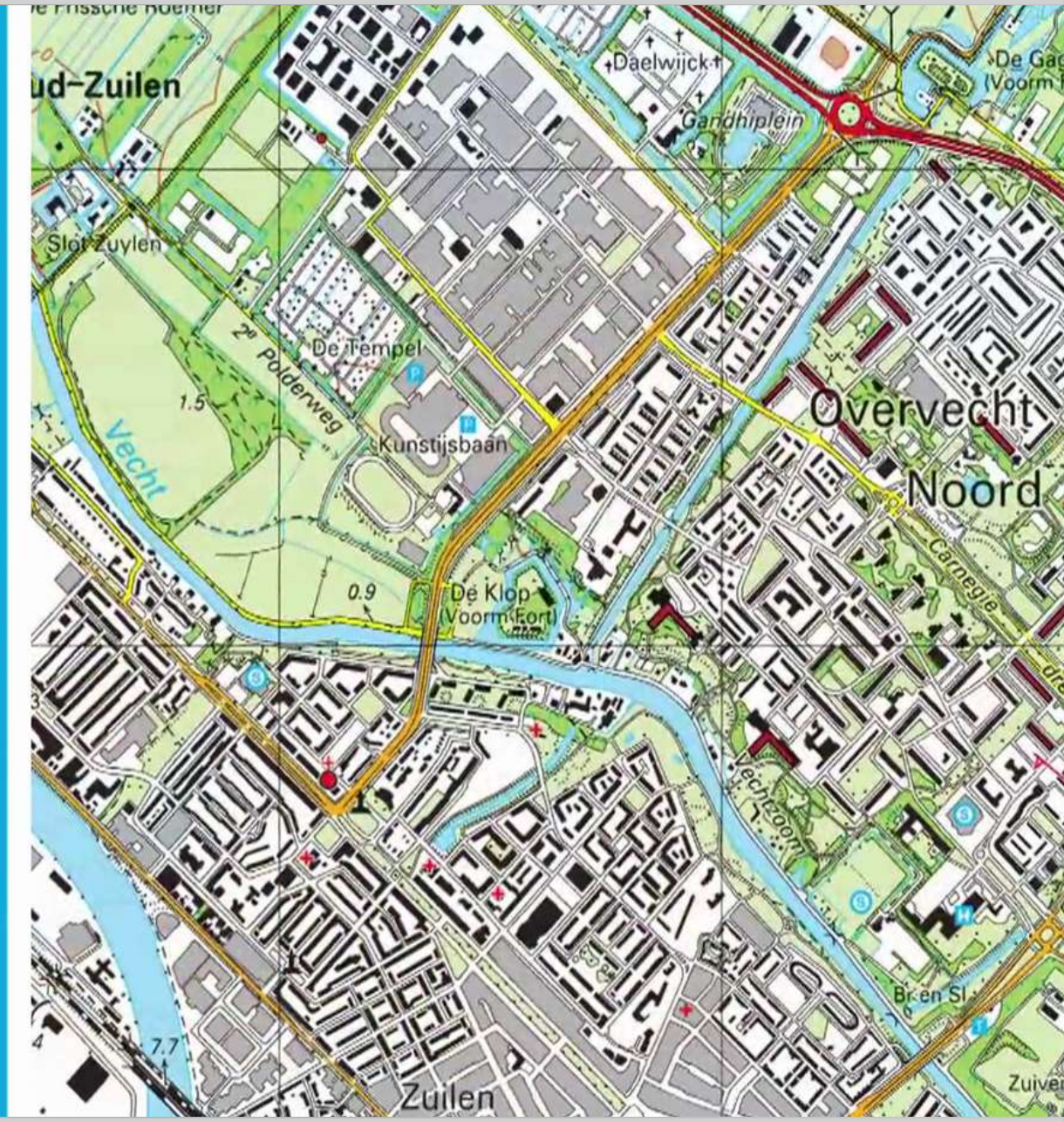

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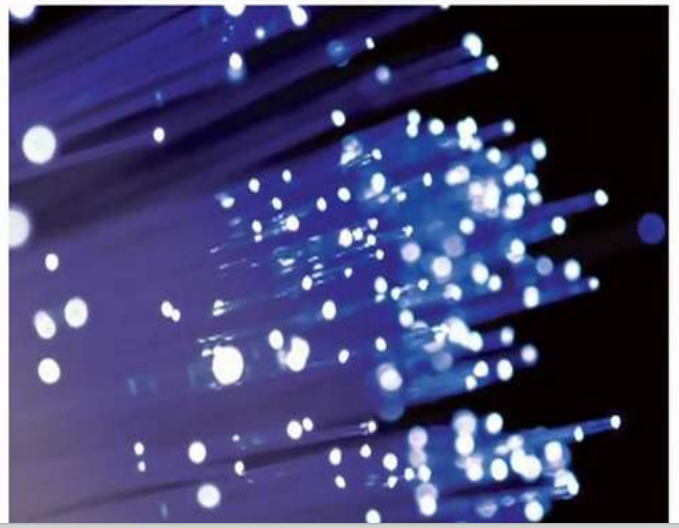
OTHER AGENCIES ALSO BENEFIT

- Public safety
- Utilities
- Transportation



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Today

GeoPortal

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Central Organization

GIS App.

GIS App.

GIS Server

GIS App.

Mobile

Database

Ortho Images
Stereo Imagery
3D Features
DTMs

Organization B

Web mapping

Staging \ Additional Transition

Land Cover
Land Use
Maps
Spatial
Models

CAD,
Survey Data

Organization A

Geospatial Desktops

Network Storage

Organization C

Total Station Surveying

Network Storage

Users in other Offices & Regions

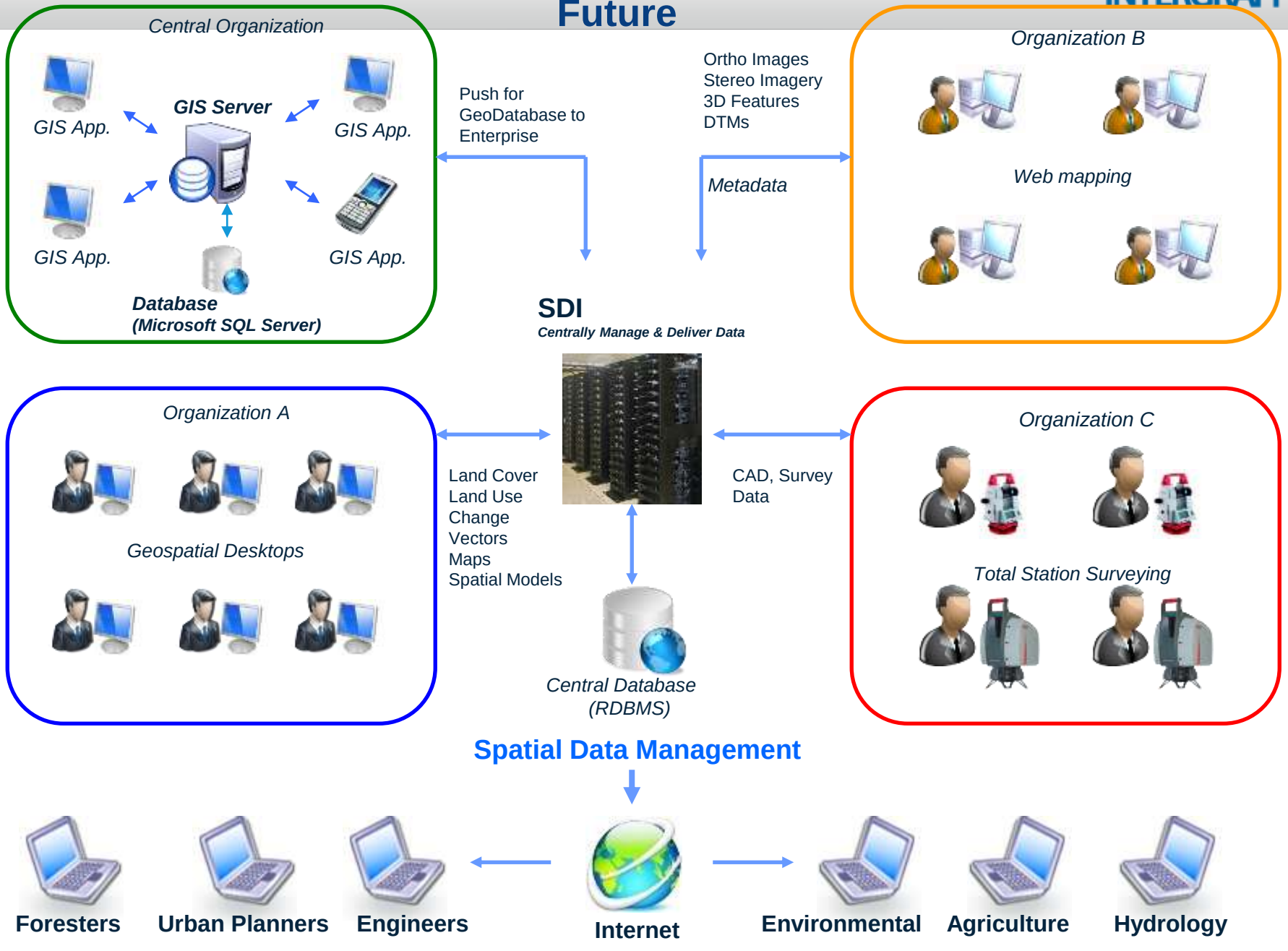
Files

Files

Users in other Departments

IT Consultant

Future


Central Organization
GIS Server
GIS App.
GIS App.
GIS App.
GIS App.
Database
(Microsoft SQL Server)
Push for
GeoDatabase to
Enterprise
Ortho Images
Stereo Imagery
3D Features
DTMs
Metadata
Organization B
Web mapping
SDI
Centrally Manage & Deliver Data
Organization A
Geospatial Desktops
Land Cover
Land Use
Change
Vectors
Maps
Spatial Models
CAD, Survey
Data
Organization C
Total Station Surveying
Central Database
(RDBMS)
Spatial Data Management
Foresters
Urban Planners
Engineers
Internet
Environmental
Agriculture
Hydrology

Intergraph is a **world leader** in interoperable **SDI applications**

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WE ARE SDI READY.

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Questions?

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