



## **Supporting SDI by Restructuring of Core Geodata**

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Conference  
2007**

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## **Overview**

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- **Goals and ambitions**
- **Strategy for the Swedish  
SDI Development**
- **The ELIPS programme**
- **Challenges**



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## Goals and ambitions

A leading public service authority

An attractive work site

New role as national coordinator of geodata

Getting more of the information



## Getting more of the information

- Better interoperability through SDI and common agreements
- Using new technologies and information
- Bringing it together
  
- Gain more and deeper knowledge
- Following important changes
- Make better decisions
- Spatial data and spatial intelligence



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## National SDI Strategy

### Quote

"The main purpose of the strategy is to guide all actors in Sweden to attain efficient handling of basic geographic and property information as well as to give the mutual basis for Swedish actions within Europe and on the international field".



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## Important basis



- User perspective
- Facilitate combination of data from different sources
- Support e-Government
- Growth
- Cooperation
- Smooth and easy adaptation to new needs and new technologies
- Cost reductions
- International connections

## Action areas in the strategy



- Cooperation in a network
- Structuring the information
- Technical infrastructure
- National metadata catalogue
- Geodetic reference system
- Research, development and education
- Legal framework
- Financing and pricing

## The vision

### **We create.....**

increased benefits for the society by a developed national SDI built on cooperation between different organisations and cost-efficient solutions.

### **We tie....**

the information resources together in a network and make them easy accessible by uniform services and descriptions of the information content.

### **We support....**

the public administration, private enterprises and citizens and meet the demands on local, regional, national, European and Global level.

## Call for reengineering and restructuring core geodata

**E**fficiency in  
**L**and  
**I**nformation  
**P**rocess  
**S**ystems



The national strategy urge Lantmäteriet to reconstruct it's IT-systems and to reorganize it's data.

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### Background



Systems from the **seventies** for land information management and from the **eighties** for topographic and cadastral data

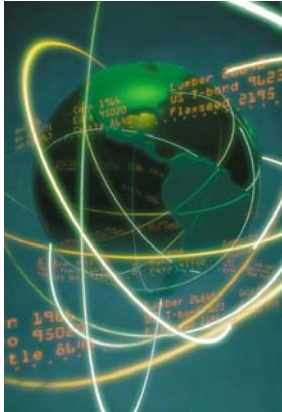
- Home built systems
- Geometry based data
- GIS and Non-GIS data is separated

The existing systems are:

- Difficult to integrate and interoperate
- Costly to maintain

**They don't support the new demands!**

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## ELIPS, technology and infological changes

- Loosely coupled systems
- Platform independent data exchange
- Common data exchange interfaces
- Basis for more flexible products
- Creating a new basic data storage system
- Separate the data warehouse and the client systems

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## ELIPS, technology and infological changes

- Using SOA-technology
- Object orientated data structure
- ...leads to integration of geographic and land-register information
- Creating information interfaces through standards and specifications etc.
- Over time- get rid of the old mainframe-environment

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## ELIPS, 2007-09

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- Establish the general programme-plan
- Setting up governance and management
- Starting up the project in building the first basic data storagesystem
- ...second basiqdata...
- Migrating data
- Switching off old systems



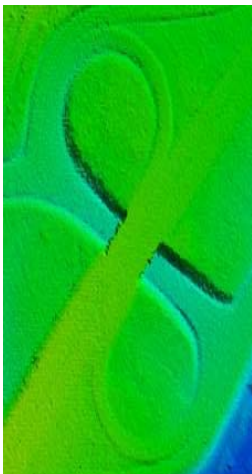
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## Challenges

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A staged approach  
Coordination

Conflict between price of data and  
cost of investment

Awareness of the spatial data  
revolution

The will to do it

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**Thanks!**



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