BUSINESS MOTIVATION FOR LINKED GEODATA

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Geodata SVERIGE BIT FÖR BIT VINNOVA LANT

PROJECT OBJECTIVES

"Is linked data a blind alley or is it a way forward and consistent with our business model"?

Feasibility study for 8 months

Goal: To develop integrated services based on geodata

We have some practical experiences on linking geodata from different authorities (pilot studies)

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PROJECT PARTNERS

- Lantmäteriet (The Swedish mapping, cadastral and land registration authority)
- Swedish Geological Survey
- Swedish Environmental Protection Agency
- Swedish Civil Contingencies Agency
- Linköping University
- Future Position X
- Novogit AB

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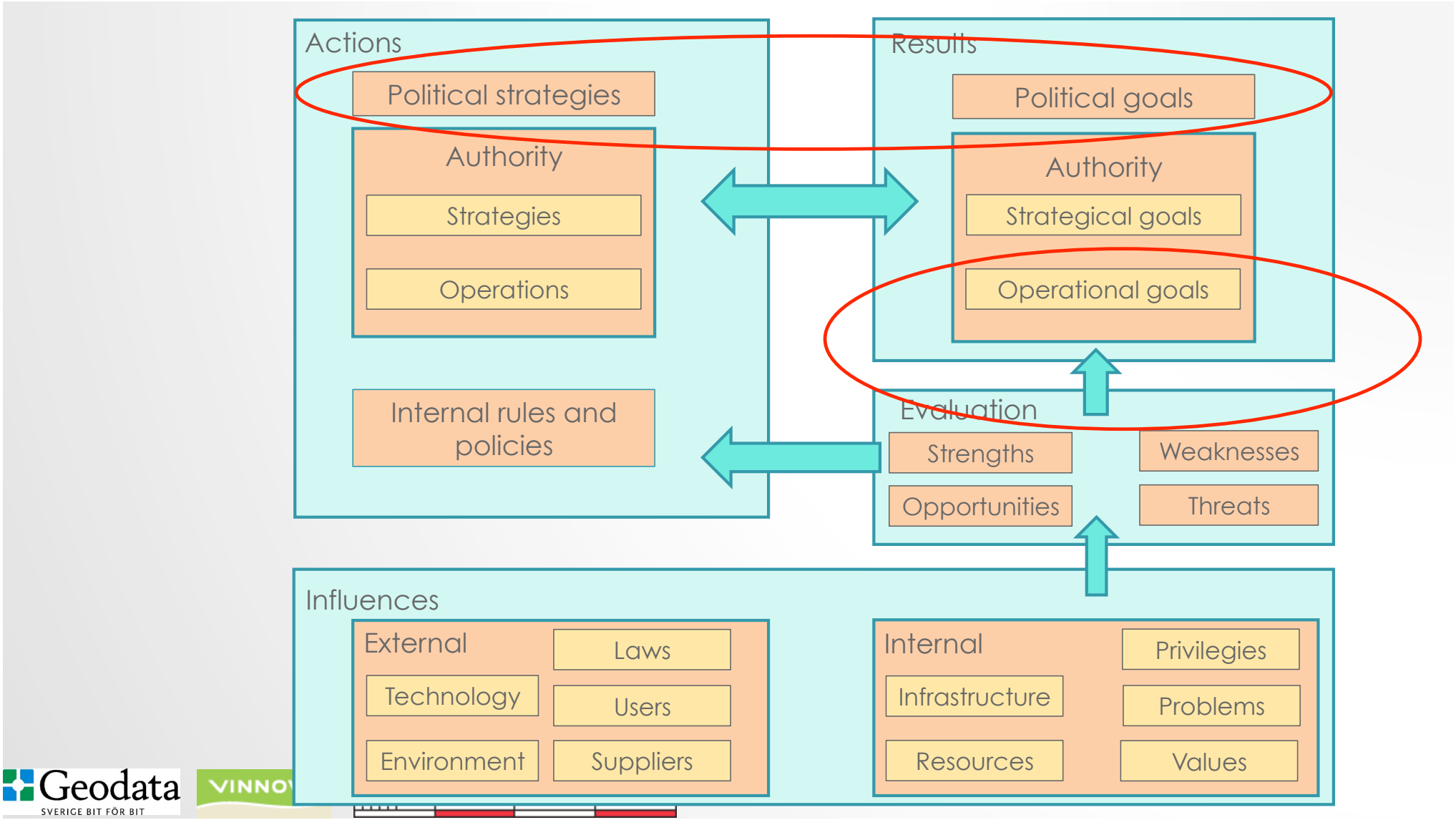

Geodata
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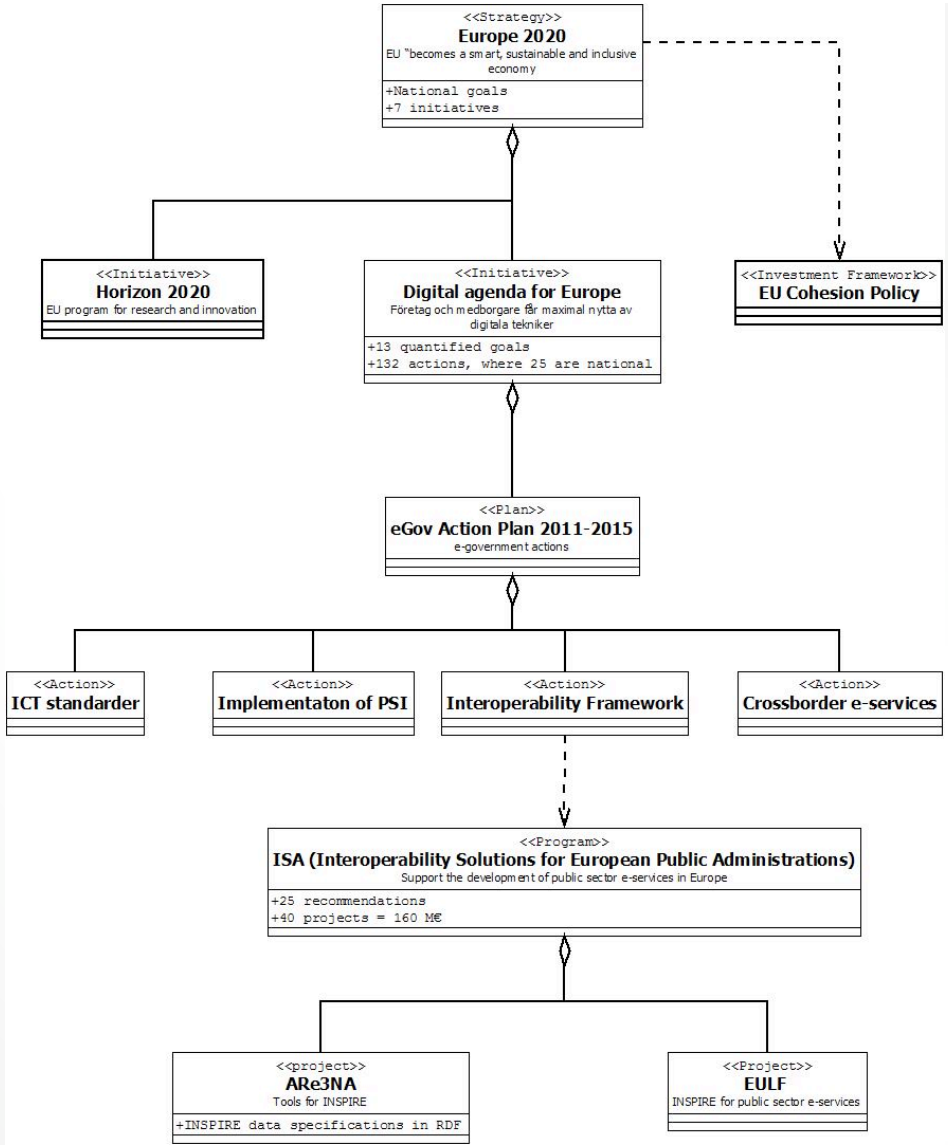
EUROPEAN POLICIES AND GOALS



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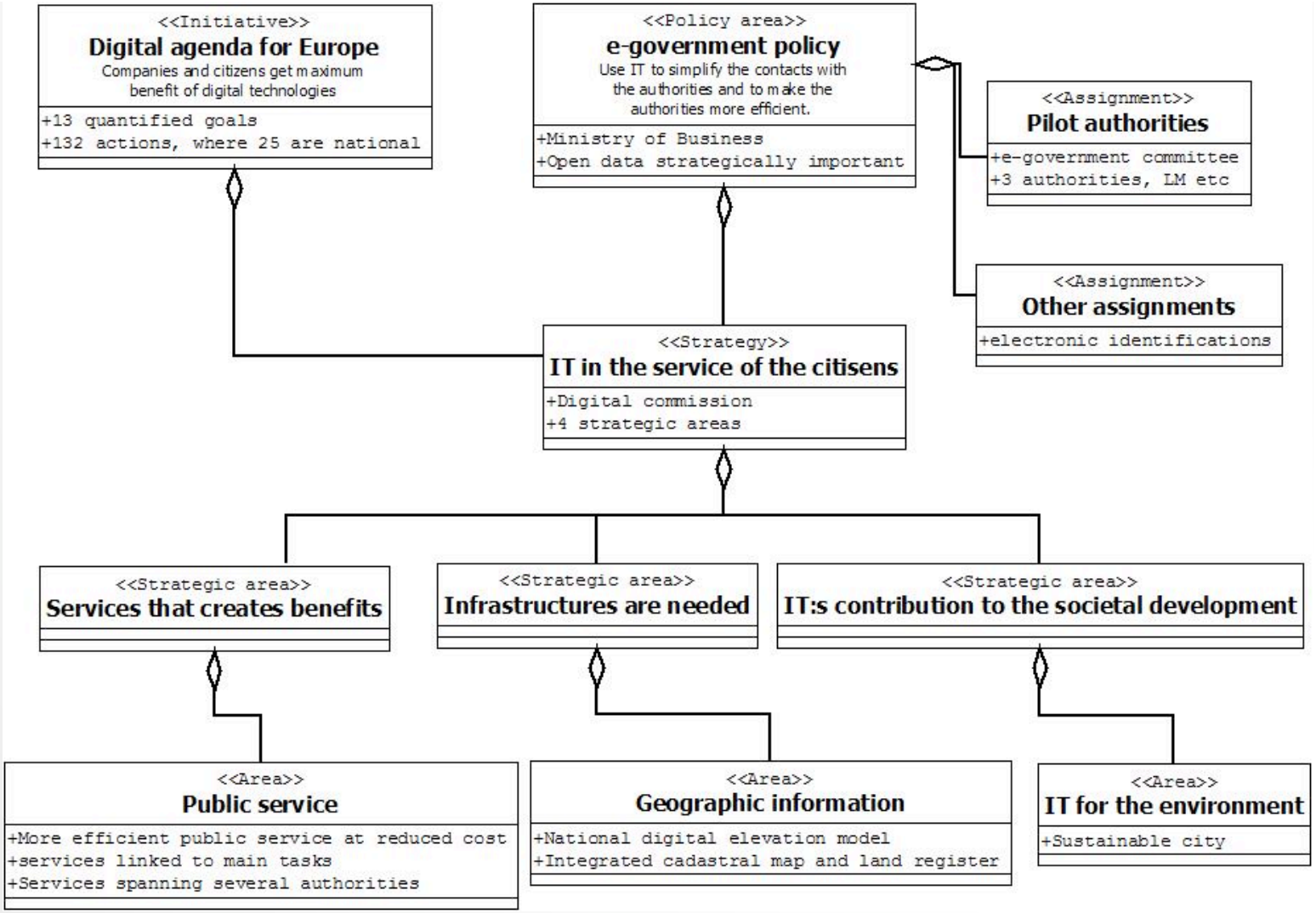
SWEDISH POLICIES AND GOALS



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E-GOVERNMENT IN THE YEARLY INSTRUCTIONS

Lantmäteriet: “My messages”, electronic ID and INSPIRE coordinator

Swedish Geological Survey: Nothing

Swedish Environmental Protection Agency: Implementation of PSI directive

Swedish Civil Contingencies Agency: “Digital cooperation in government”

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SPECIFICATIONS OF OPERATIONAL GOALS FOR A PROJECT

Critical success factors

- Elements that are necessary for a project to achieve its mission
- ”Is linked data a blind alley or is it a way forward and consistent with our business model”?

Strategic goals

- Simplify the daily life for citizens and companies by providing integrated services
- Integrated digital cadastral map and land registry
- Improve urban environment
- More effective and efficient data management

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CRITICAL SUCCESS FACTORS

- The project contributes to the business models – value creation, delivery and revenue streams
- Management of persistent ID
- Clear SLA's -> ownerships are clearly defined
- Data are easy to find, access and use -> licenses
- Assurance of quality to external linked data
- Standards, vocabularies, ontologies
- Restrictions on data (privacy, national security) must be respected
- Tools for users and data providers should be easy to use and affordable

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POTENTIAL VALUES

- Easier to understand and reuse other data sets
- Reduce redundancy of data management and instead focus on the specific characteristics of own data sets
- Better visibility and availability on the web and in search engines
- Well established procedures for automated data processing may be utilized
- Improved efficiency and effectiveness in data management and data processing

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EXPECTED VALUES, EXAMPLES

DEFRA (UK) and OS (UK)

- Improved transparancy, support to innovation

EULF (EU Location Framework)

- Better availability of data

EEA

- Improved efficiency and effectiveness in data management and data processing

Italy, Poland, Finland

- Better visibility in search engines

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OBSERVED VALUES, EXAMPLES

Office for National Statistics, UK

- Better provision of statistical data (data sets in geoportal, instances in triplestore)
- Around 5000 visits (geoportal) and 5000 downloads (triplestore) per month

ODI (UK)

- Several benefits of open data are reported

Swedish Cultural Heritage Board

- FornMap is an app using data on old settlements
- Not used that much (unknown, poor data quality, external linkages missing)

BBC, Nobelstiftelsen etc …

- More efficient data management (no external links)
- Richer own website

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ONGOING WORK AT EACH PILOT AUTHORITY

- Which business models do we have?
- Management of (persistent) ID?
- SLA's and clear ownerships defined?
- Search engines, methods for access and licenses
- Assurance of quality to external data, if used?
- Standards, vocabularies, ontologies?
- Restrictions on data (privacy, national security)?
- Familiar with LD tools?

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