THE PORTUGUESE CADAstral DATA MODEL

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Topics

• Background
  – Cadastre
  – Portugal

• SiNErGIC
  – Vision
  – Approach

• Final Remarks
Cadastre contribution

- Cadastre
- Notary
- Registry

- Definition
- Business
- Ownership

Security
Cadastre contribution

• Key asset for sustainable development
• Higher and better spatial knowledge
• Resources protection and valorization
• New citizenship culture towards territory
• Accountability and transparency
• Juridical and fiscal equity
Land: 92,000 Km²
Sea: 1,714,800 Km²
Population: 10,000,000
Thematic Cadastres

- Restricted compatibility
- Inexistence of interoperability & multi-functionality
- Data, resources and investment duplication
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Unique Parcel Identification

- Mortgages
- Protection areas
- Ownership
- Definition
- Attributes
- Value
- Restrictions
- Occupation
- Zoning
From GIS to SDI

GIS → SDI

Infrastructures & Services

Sistems
Data
Local
SiNErGIC

- Council of Ministers Resolution nº 45/2006
- Creates National System for Managing and Exploring Cadastral Data (Sistema Nacional de Exploração e Gestão de Informação Cadastral – SiNErGIC)
  - Assure unique parcel identification
  - Unify existing cadastral data
  - Uniform and digital managing of cadastral data
  - Force interoperability among stakeholders IS
  - Support land registry with geographic data
  - Common framework for Public Administration
  - Provide access to public and business
SiNErGIC – IS Architecture
SiNERGIC – Data Model
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Final Remarks

• Complex process
  – Large number of Stakeholders
  – High level of Requirements/Accuracy

• Information System
  – Interoperability
  – eGovernment

• Technically unavoidable and feasible
  – Stakeholders
  – CBA

• Politically wanted?
  – Investment
  – Implementation period
  – Taxation
Thank you!

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Questions?

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