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Local to Global

GINIE Workshop
Rome
6th & 7th March 2003

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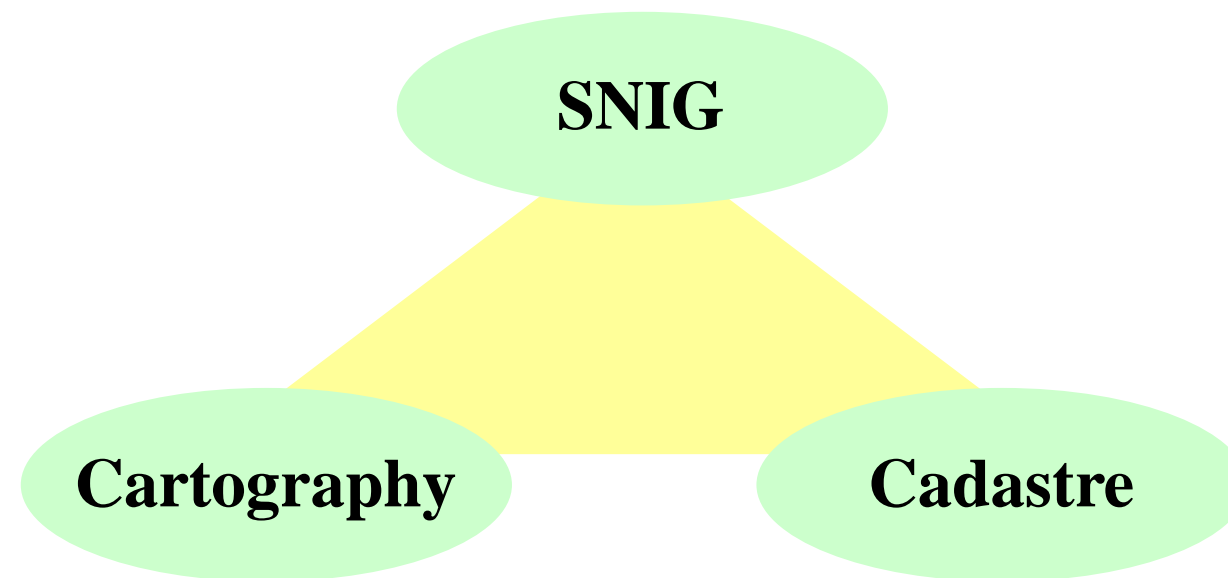
Organisational and Fundamental Aspects



- New institutional framework in Portugal
- In 2001 the Portuguese government announced a new model for the GI sector
 - Merge of two institutions
 - NMA and SDI co-ordinator
- IGP – Instituto Geográfico Português (www.igeo.pt) was created in 2002
 - National authority for Geographical Information
 - Cartography and Cadastre production
 - Market regulation
 - Research and training
 - SDI co-ordination and development



Three Systems





SNIG

- The Portuguese SDI – SNIG (snig.igeo.pt) was launched in 1990 after a brief period of debate involving the research community and the public administration
- In 1995 the project was opened to the web, becoming the first SDI initiative on the Internet
- In 1999 the project made a giant step towards the citizen, by opening a GI portal called GEOCID: geocid-snig.igeo.pt
- The project was always lead by the public administration together with several institutions at different levels
- Meta-information and dissemination project
- Nevertheless: ortophotos, CLC, Landuse, Mappex, etc.



SNIG

- IGP (www.igeo.pt) is the major player with the responsibility, by law, to co-ordinate and develop SNIG
- Support:
 - participation of other public partners (GI producers and users)
 - legal support. ex: DL n° 53/90
 - directives and standards produced by CNIG and IGP
 - new law under preparation
- Time scale:
 - Workgroup created in 1986
 - SNIG in 1990
 - Internet in 1995
 - Geoportal in 1999 - restructuring undergoing

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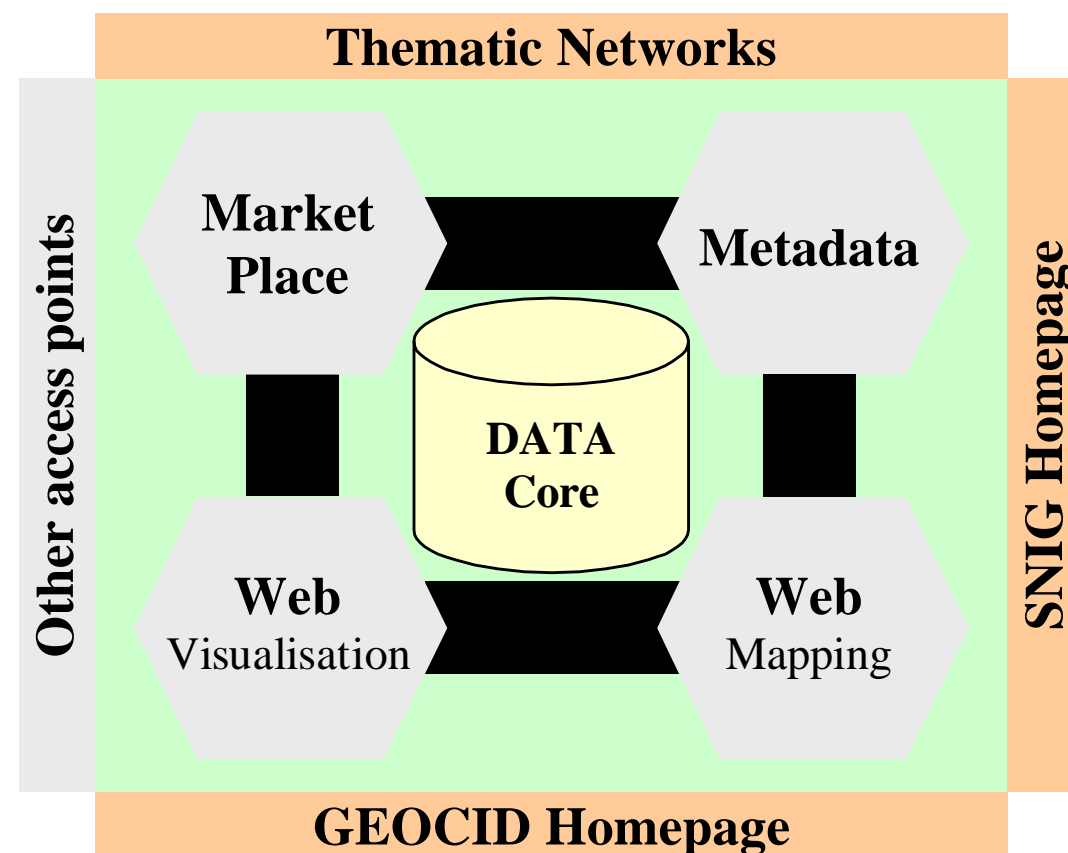
SNIG

- Success factors:
 - strong technical and scientific knowledge
 - leadership
 - solid institutional framework
- Weaknesses:
 - human resources
 - financial support
 - data availability
 - fragmentation



SNIG Conceptual Schema

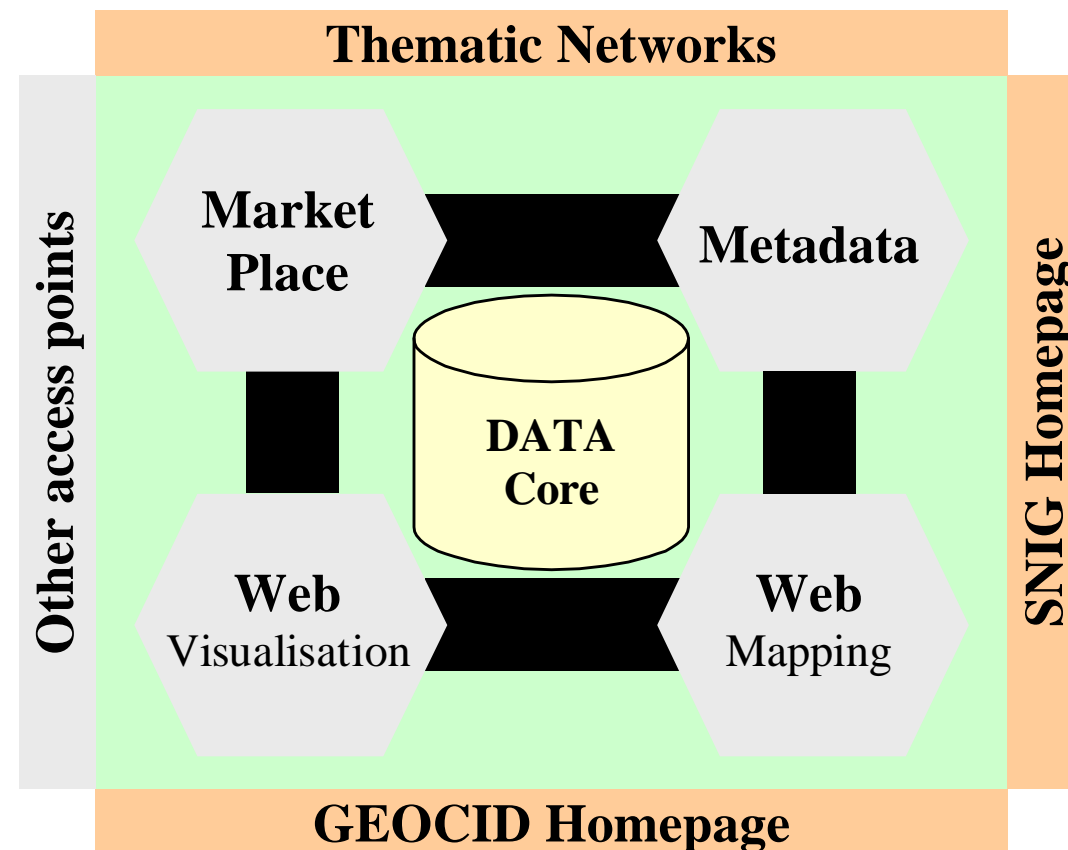
- rebuilding the infrastructure
- 1 data core
- 4 main components
- 3 main entrances





SNIG Conceptual Schema

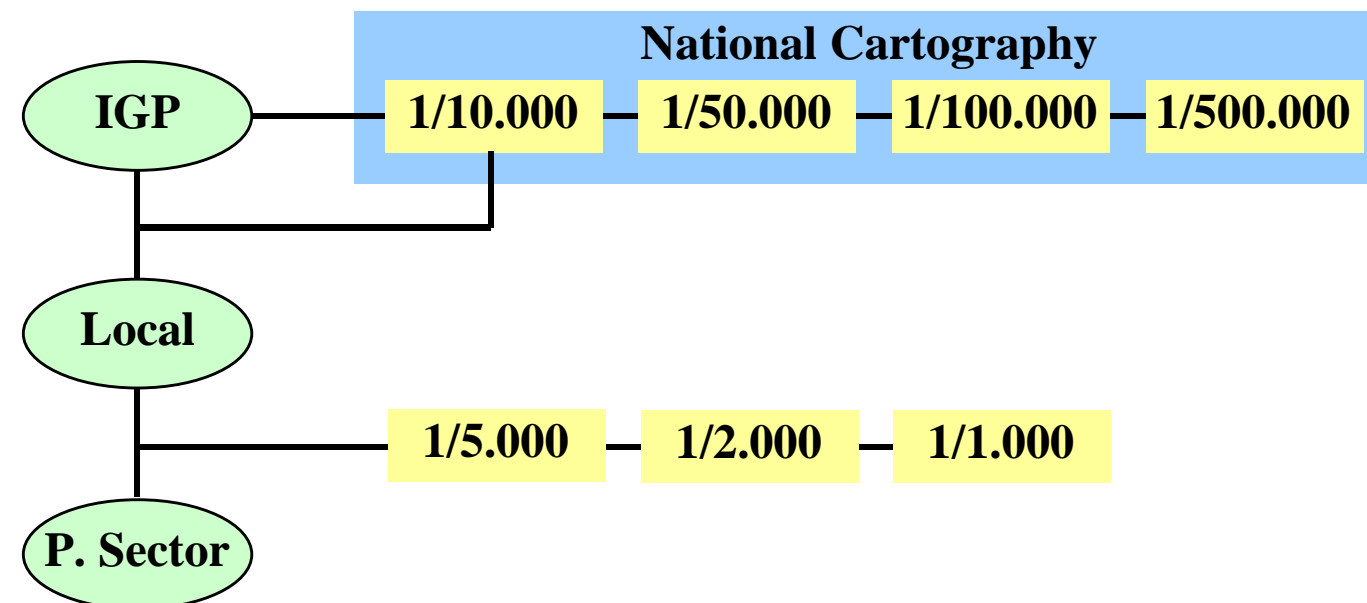
- politicians
- e-government
- private sector
- education/training
- data flow
- data production
- data distribution
- data use





Cartography

- IGP national standards





Cadastral

- Strong political support
- New model under study considering several players:
 - IGP
 - Local authorities
 - Financial offices
 - Land registry offices
- IGP
 - technical specifications
 - Information systems structure
 - e-government

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