



SPATIAL DATA INFRASTRUCTURE

THE REBATE PROJECT

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Brazil



REBATE project

- What?
 - Cooperative Research Network for Spatial Information Technology
- Composition
 - University, organizations – public or not – producing and using spatial data
- Goal
 - Research and spatial technologies diffusion



Research – 2000/01

- Target
 - Improve Geomatics local knowledge
- Issues
 - Projects and actions
 - Development proposals
 - Hardware and software in use
 - Technical team qualification
 - Databases
 - Format, source, scale, public access



Premise

- Knowledge lack
methodology, concepts, technologies
- Trained technical teams lack
- Data lack
database conversion - starting point for any project



Data Lack - aspects

- Data lack
- Digital Data lack
- Adequate Digital Data lack
- Up to date, adequate Digital Data lack
- Available, up to date, adequate Digital Data lack
- Geographical data public policies lack



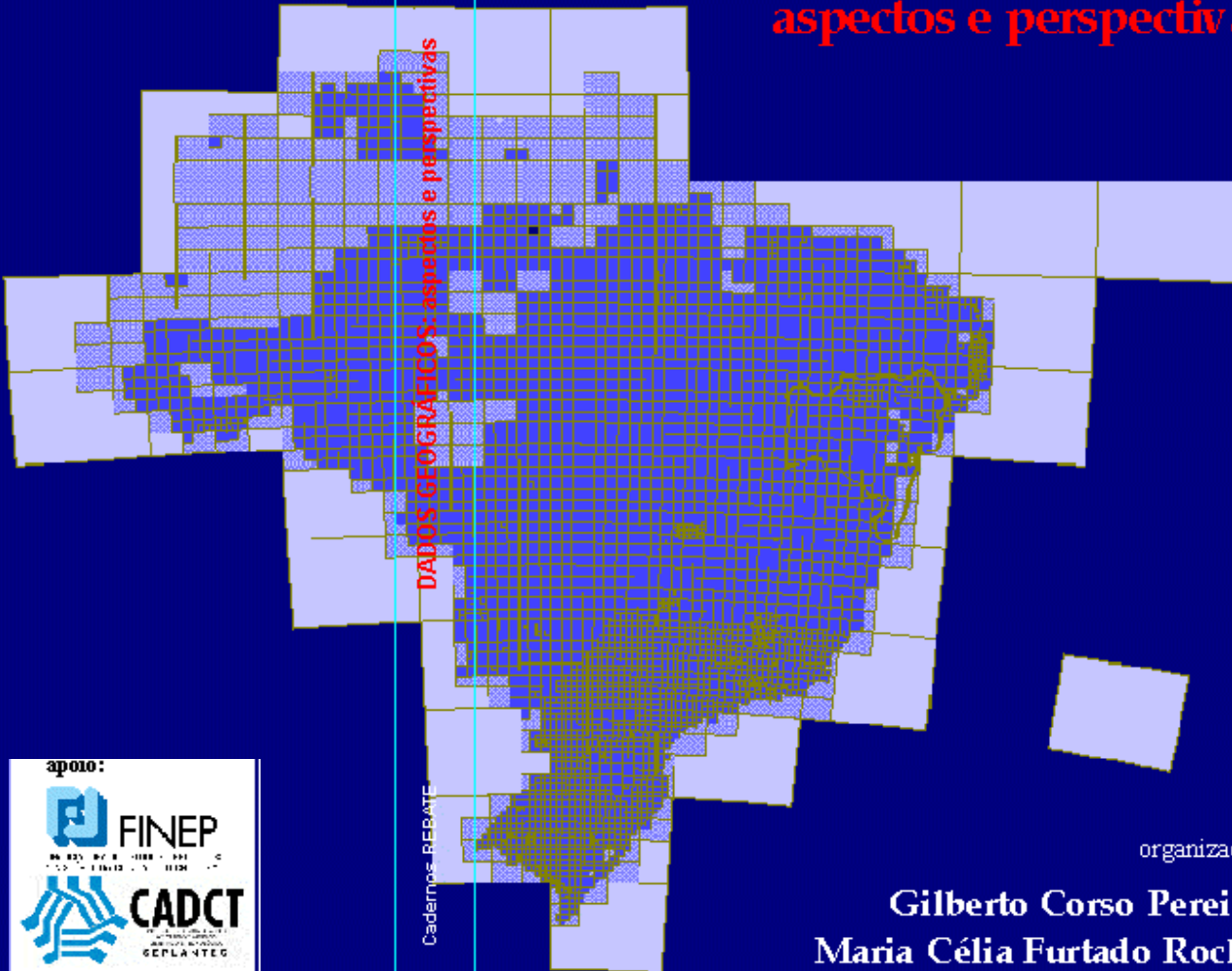
Products

- Report and publications
- Seminars
 - Geographical database quality
 - Geographical data exchange
 - Geographical data public policies
- Courses
- Cadastre
- SDI project (in progress)



Publication

DADOS GEOGRÁFICOS aspectos e perspectivas



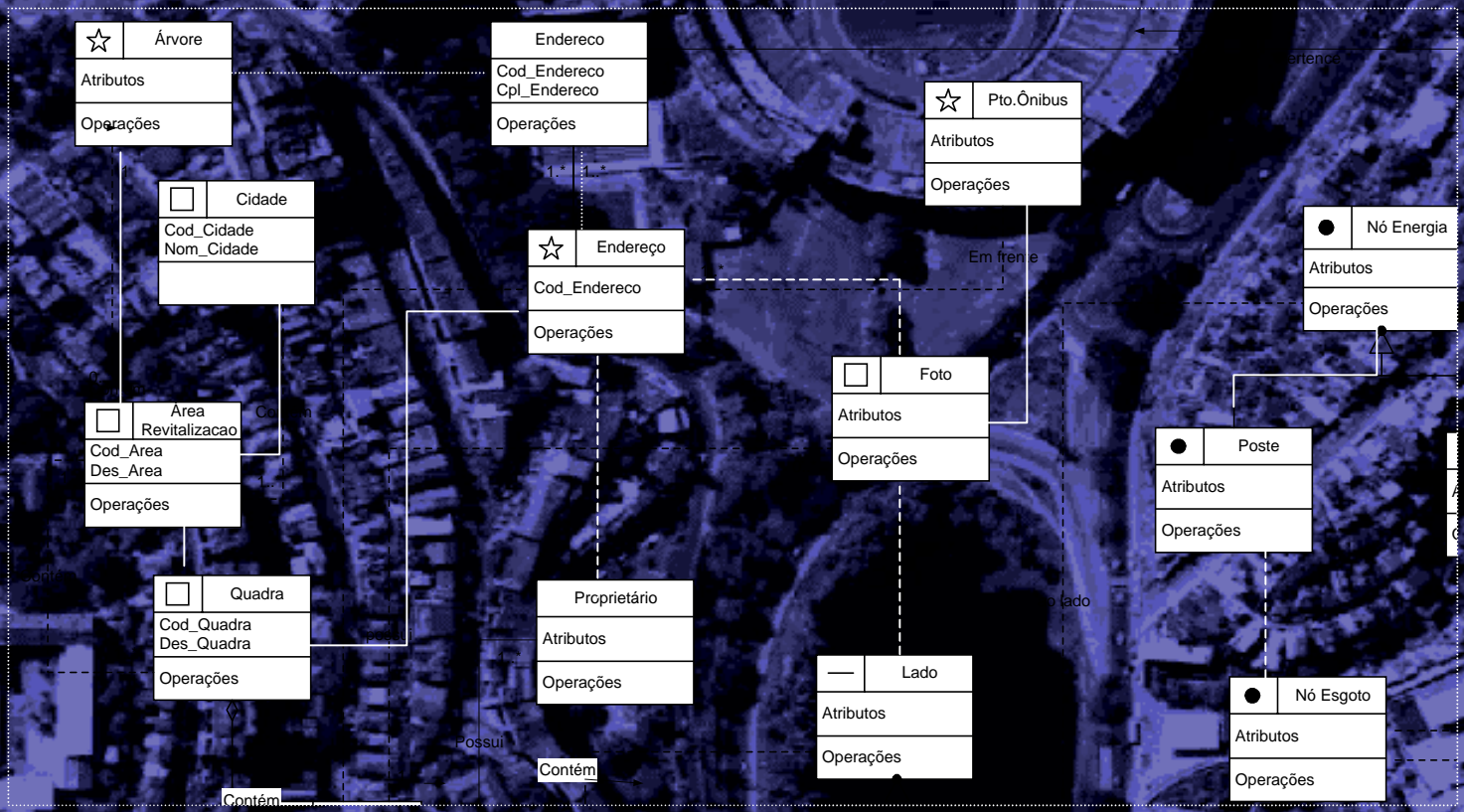
CADERNOS REBATE

organização

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Course





Cadastral - interviewed organizations

Municipal government	7
State government	13
Federal government	3
Private sector	1
Total	24



Cadastral - projects approach

Urban projects

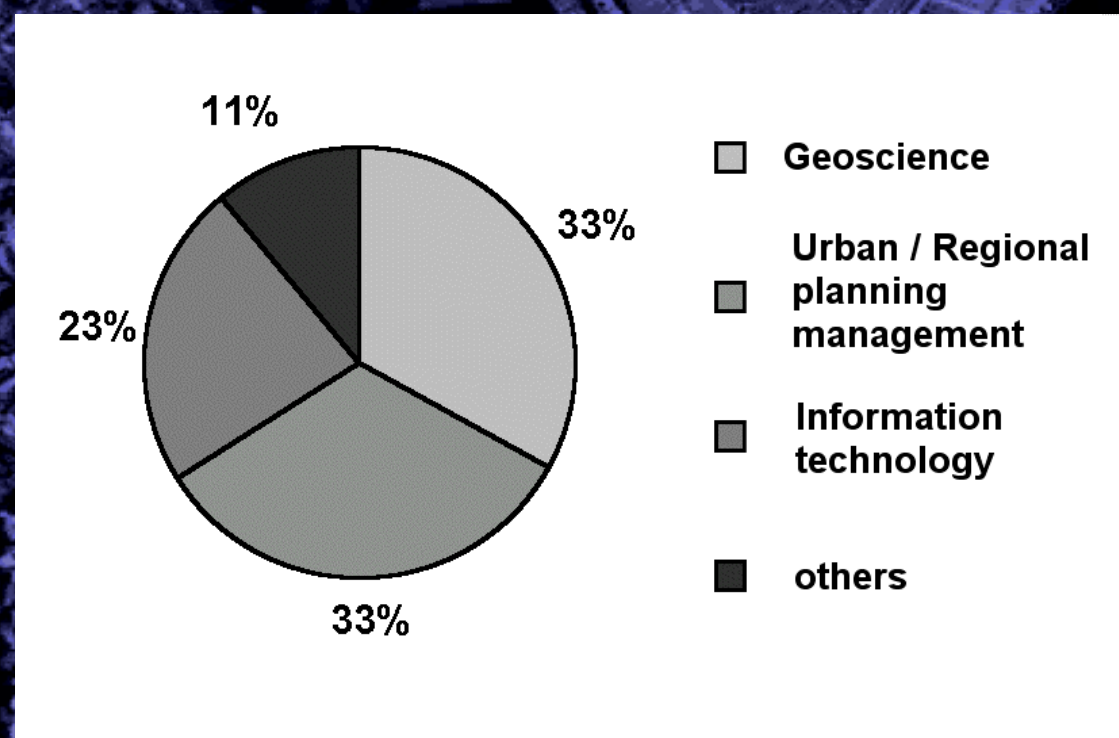
46%

Regional projects

54%



Cadastral – technical teams



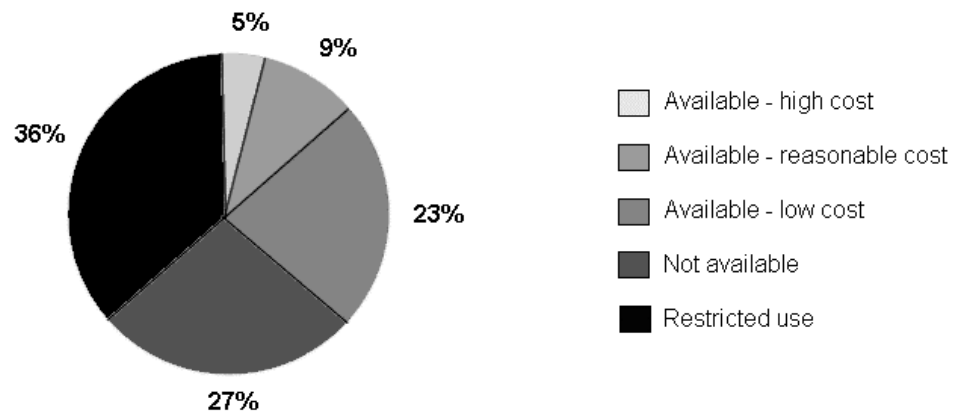


Cadastral – data sources

Federal Government	12 users
State Government	10 users
Aerial photogrammetric	3 users
Field survey	9 users
Others	4



Cadastral – data access





Cadastral – remarks

- Several organizations collect the same data at the same area, city or region
- Access to data is usually restrict, costly or difficult
- Few have metadata
- Mostly projects made by external consultants - *Are the teams really learning?*



SDI project - past events

- Since 2000 some state organizations were concerned about lack of public policies for geographical data producing and accessing
- They ask REBATE: what kind of SDI model could work in Bahia State?



SDI project - stages

- **Panoramic view**
 - The most important SDI around the world
 - Brazilians SDI initiatives
- **SDI models**
- **The Bahia State Geomatics maturity level**
 - Source: updated Cadastre



SDI project - stages

- Possible scenarios
 - What kind of SDI models can be applied considering the actual maturity level?
 - Which is the best?



SDI project - milestones

- **February 2003 – Seminar**
 - To present panoramic view
 - To discuss the maturity level diagnostic
- **June 2003 – International Workshop**
 - To discuss possible scenarios

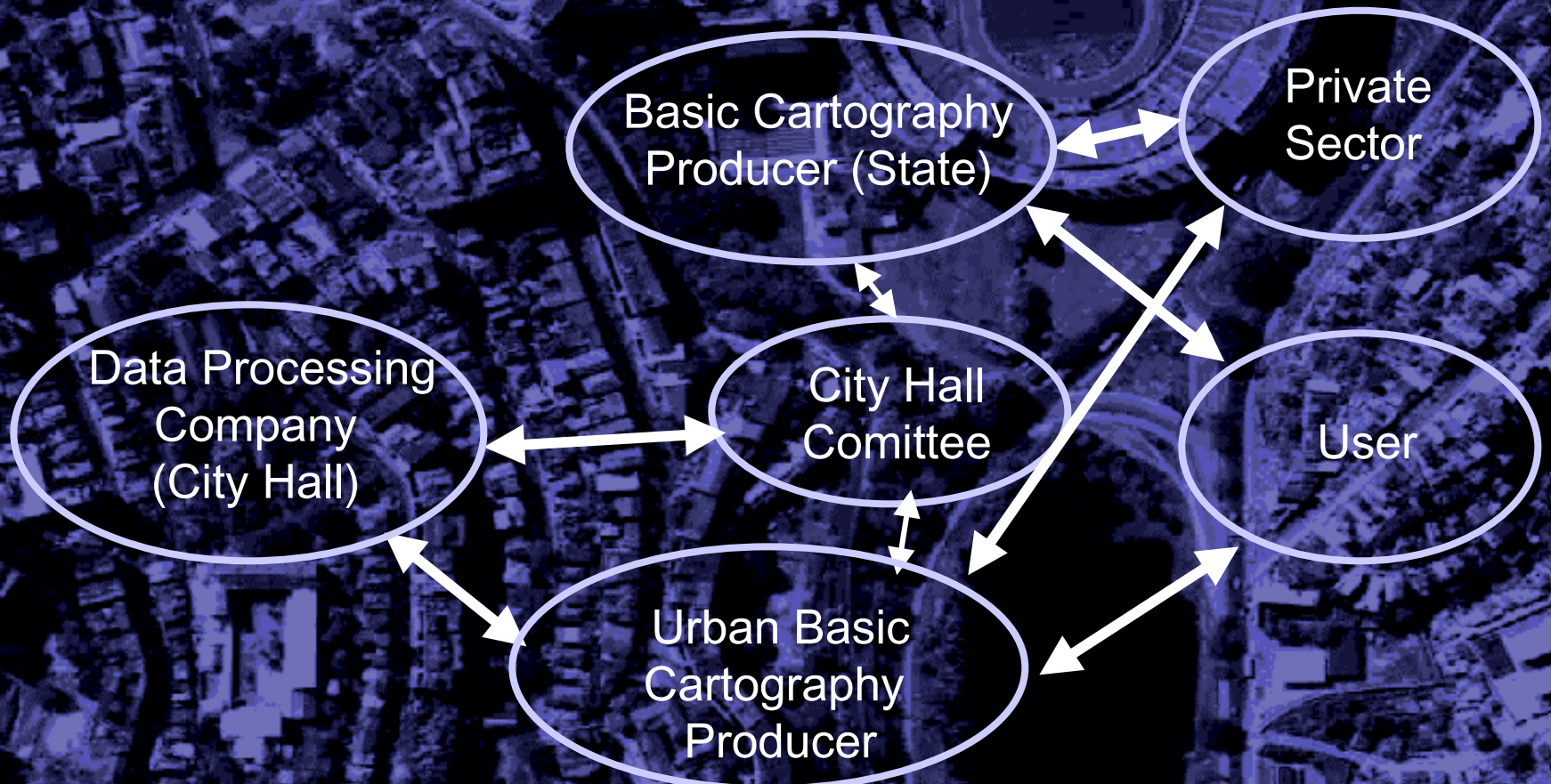


2002

- Municipal city hall Geomatics Committee started GIS coordination at municipal level
- The State Cartographical Committee was founded to organize the IDE at a state level



Tomorrow?





REBATE: Working in Progress

- 2002: project today
 - Panoramic view – SDI models – global and local
 - Updated cadastre
 - Diagnostic: organizations maturity level at Geomatics
 - SDI models kinds of
- 2003: Seminar and International Workshop
 - Applying different SDI management models at the Bahia State
 - Scenarios: advantages and disadvantages of each model



REBATE

www.ufba.br/~rebate

September 2002

GSDI 6 – Budapest