GIS-SP Challenges
São Paulo City GIS

Speaker

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Academic background:

Survey Engineer	UFV 1990
MSc Geoprocessing	EPUSP 1995
Partial PhD	EPUSP

Experience:

Municipality SP (since 1991)	Planning, Environment, Housing, Urban Development (now)
Teaching (since 1997)	Environmental Manage, Oceanography, Oil &Gas, Civil Eng. (now)

Abstract

- Increasing GIS technology.

- Sao Paulo mega city grows in solutions and in problems too.

  - Infrastructure: What we need?

  - Political visibility: What they want?

  - Applicability: What we want?

- Calibrating the GIS-SP master plan to the future

Premises in GIS master plan

- Corporate data base with City Digital Map implementation

- Data base Integration

- Strategic decision improvement

Decree

- Decree nº 50.736 (15/07/2009) to GIS-SP

- Objective

  Production, maintenance, analysis, dissemination and publishing mapped information in order to support planning, implementation and public policy management.

Legal structure

Decree n. 50.736/09

Managing council – Decision makers

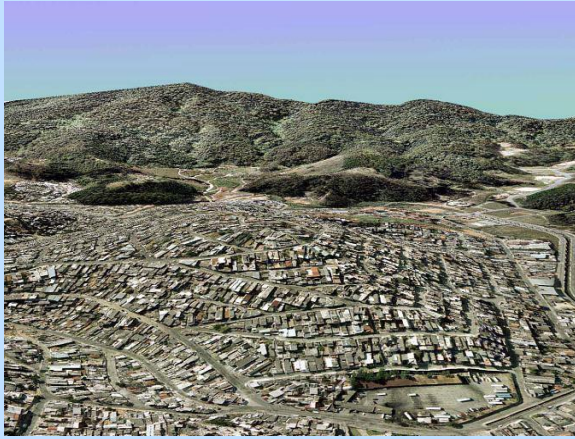Urban Development, Govern, Planning, Finance and TI Co.

Strategic and policy level
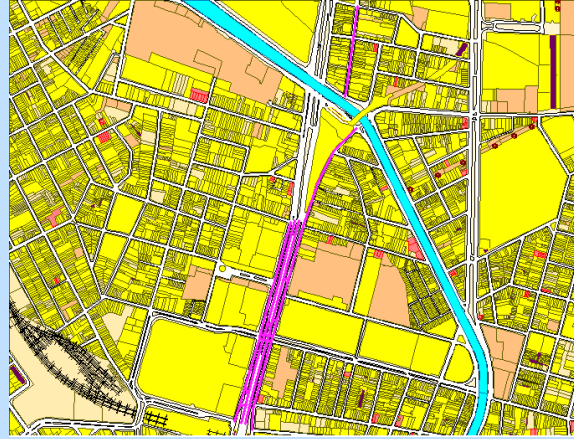
Intersecretarial Technical Group
Technical body from same organisations
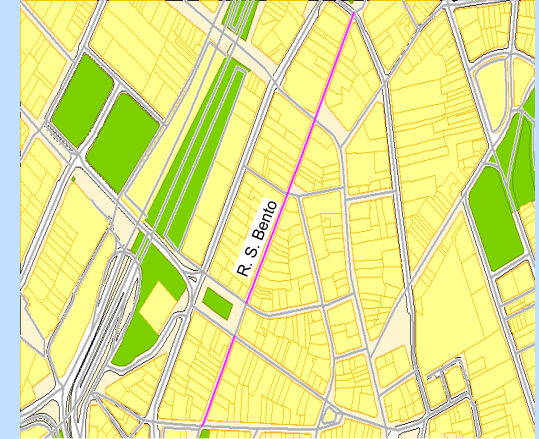
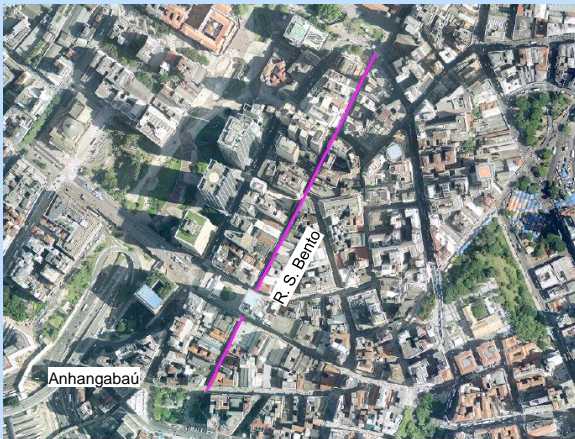**More Secretariats and Municipal Co.**

City Digital Map

Relief / DTM

Center lines

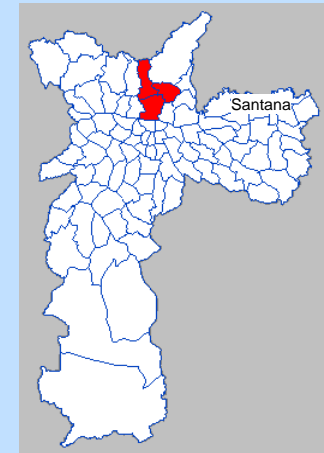Streets

Ortophoto

Parcels & Buildings

Districts & Adm. Subregions

GIS master plan
Distribution Action

- Cartographic Base Map

http://www.prefeitura.sp.gov.br/cidade/secretarias/desenvolvimento_urbano/dados_estatisticos/

- Corporate GEO Portal

- GeoWeb

Roles

- Urban Planner
- Work Engineer
- Sociologist
- Geographer   Information Systems
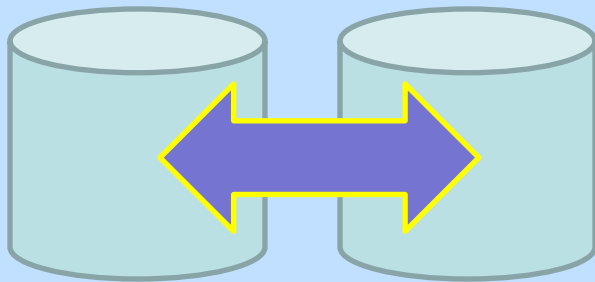- Geologist
- Business
- Architect

Emphasis

- Sharing
- Corporate solution
- Integration
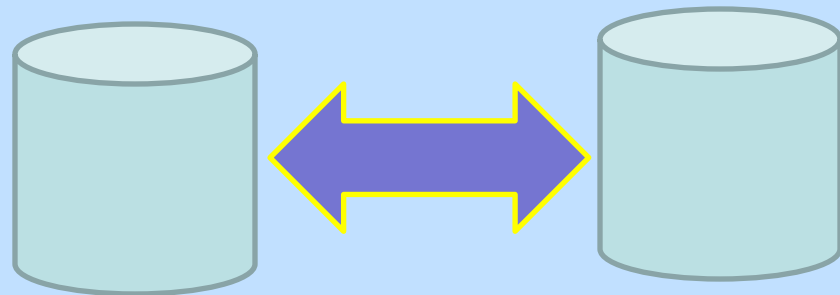- Interoperability

Interoperability

- E-Governance

- Spatial Data Infrastructure

- Standardization

Interoperability x Compatibility

Interact & Use
Information
SERVICES

Output & Input
Information
TRANSFER

Interoperability types

- Syntactic = common language

- Semantic = automatic interpretation

- Technical = interfaces, services, middleware

- Organizational = business, colaboration

Concept x Reality

- Syntactic … looks like simple

- Semantic … not so simple

- Technical … the simplest

- Organizational … a lack of communication

Dilema

TECNOLOGY

Future

INFRASTRUCTURE

Undesirable

Challenges

TECNOLOGY

Municipality Rule

- Megacity challenges (axes)

  - Social cohesion
  - Urban development
  - Environmental improvement
  - Mobility and acessibility
  - Business opportunities

Thank you

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