

Kadaster

Re-design land administration strategy for good governance


Godfried Barnasconi
 Executive Board
 Cadastre, Land Registry and Mapping Agency
 the Netherlands

Accra Ghana 8-11 March 2006

© Kadaster 2006




Kadaster



Accra Ghana 8-11 March 2006


© Kadaster 2006



Kadaster


Meaning of information

- Legal meaning land registers and maps
- Is it a representation of the truth??
- Is the representation guaranteed by the State?
- Trend: people rely on government information



Accra Ghana 8-11 March 2006

© Kadaster 2006



Kadaster

Multi use of land

- 3D constructions and multi use at subsurface, surface and above surface
- Underground infrastructure
- National policy document
- Trend: 3 D property rights



Accra Ghana 8-11 March 2006


© Kadaster 2006



Kadaster


Core of Spatial Data Infrastructure

- No SDI without framework data (incl. foundation data)
- Restructuring governmental information architecture
- Trend: towards authentic registers



Accra Ghana 8-11 March 2006

© Kadaster 2006



Kadaster


Completeness land information

- Housing rent, agricultural lease
- Servitudes, encumbrances
- Property value
- Land use
- Risk management
- Trend: information should be complete



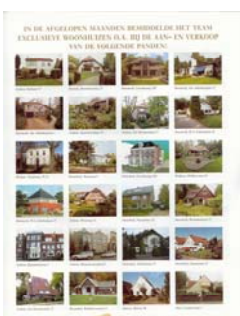
Accra Ghana 8-11 March 2006

© Kadaster 2006



Information for the land market

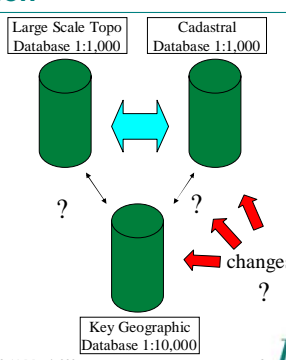
- Register Popular Census, Register legal entities
- Registers legal constraint, bankruptcy, wills, marriage settlements, guardianship
- Trend: organize data integration



Accra Ghana 8-11 March 2006

Geographic Information

- Mix of spaghetti, topological correctness and object-orientation.....
- What about data-sharing, and mutation propagation.....
- Trend: data sharing and integration



Accra Ghana 8-11 March 2006

Perspective European Union


- Free movement of people, goods and capital
- Influence: PSI, Inspire, Directives
- Art 295 European Treaty
- Trend: European harmonization



Accra Ghana 8-11 March 2006

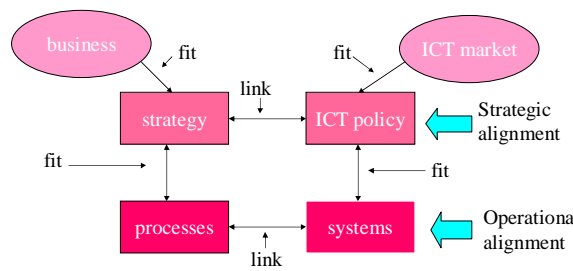
IT opportunities in the IT market

- Data acquisition**
 - satellite
 - radar/laser
 - GPS
 - biometrical
- Database technology**
 - standards
 - quick search
- Data communication**
 - central/de-central
 - web enabling + portals
 - e-payment
 - enterprise resource planning
 - customer relation management



Accra Ghana 8-11 March 2006

Philosophy: Alignment of business strategy and ICT options



Accra Ghana 8-11 March 2006