Kerala Spatial Data Infrastructure -

Facilitating a Geo enabled Economy

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Geo enabled economy

"Geospatial technology has played a significant role in Singapore's march into the league of developed nations within a short span of time."
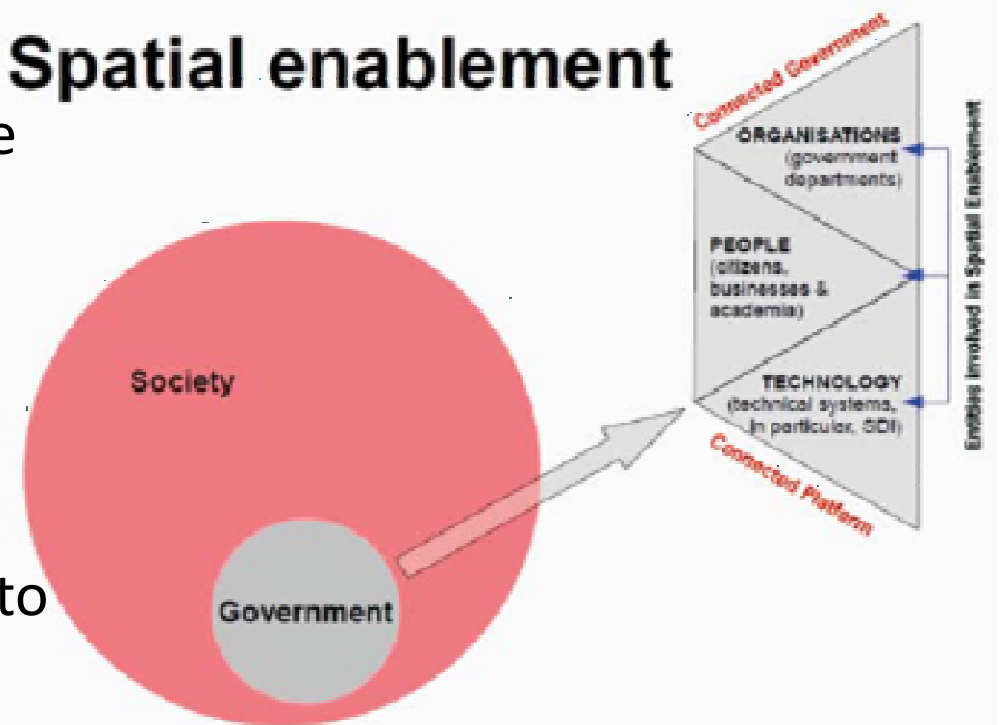
Geo Spatial World , Oct 2011

Spatially enabled society

"A government or society can be regarded as spatially enabled when location and spatial information are regarded as common goods made available to citizens and businesses to encourage creativity and product development"

Spatial enablement
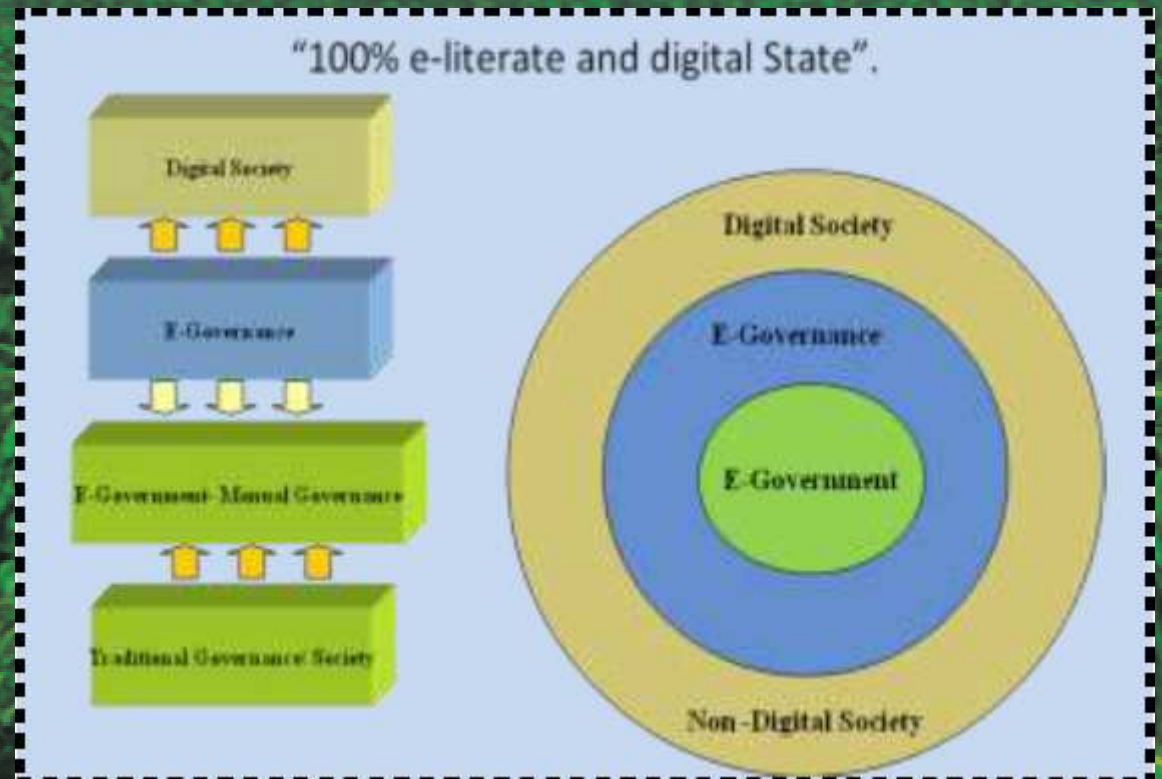
Spatially enabled services

- A government service is regarded as spatially enabled if the service delivery process incorporates seamless access to all the information that a user of the service might need to make spatial or location-specific decisions associated with the service.
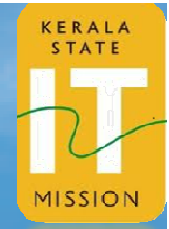
Kerala: Vision of a Digital Society

- To create a digital Society

- Driven by

  – Transparency

  – Efficiency

  – Inclusion

"100% e-literate and digital State".
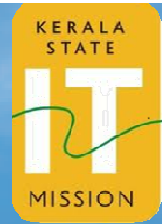
Kerala IT Policy – 2012

Kerala Spatial Data Infrastructure

Objectives- to facilitate spatial data service availability

at community, local and state levels

- Geo-Portal - OGC compliant web services with advanced geo-

  processing capabilities

- Data Clearinghouse – Enable spatial data exchange in open

  exchange format

- Establishment of DSS – Develop a system to facilitate

  assessment of agricultural and natural resources etc

KSDI – Focus elements

- SD as part of Public information

- Common repository

- Service focus (not just data sharing)

- Key responsibilities for Dept agencies

    - to arrange and update their data layers

    - to make their data readily discoverable

    and available for use and re-use
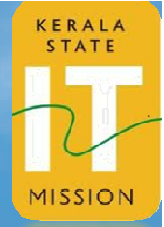
Kerala Spatial Data Infrastructure

Drivers

Deterrents

Formation of KSDI

- Demand for instant access

- Integrating information flow in government

- Explosion of geospatial data

- Maturity of geospatial technology

- reluctance in Data sharing by departments

- Lack of interoperability of data sets

- Difference in types, standards and specification of data

- Difference in data collection techniques

Journey thus far

- Departmental champions identified (20 depts)
- Data collection done
- Geo portal developed
- DSS framework developed
- Server side and Nodal office set up
- Dedicated PMU
- Industry partner in setting up and maintaining (M/s Avineon)

Way to go..

- Collection of data
- Declaration of standards
- Business need identification
- Customised Services generation
- Capacity building
- Decision support system
- Opening up for public

Thank you