

Building an integrated spatial decision system in Lesotho with a focus on the transportation sector

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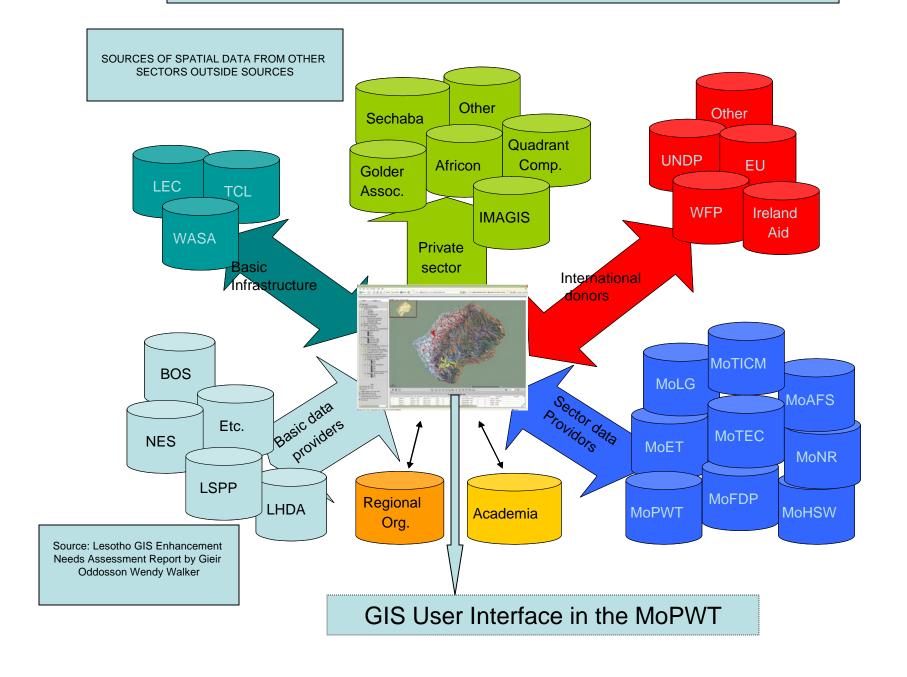
Why the initiative in Lesotho?

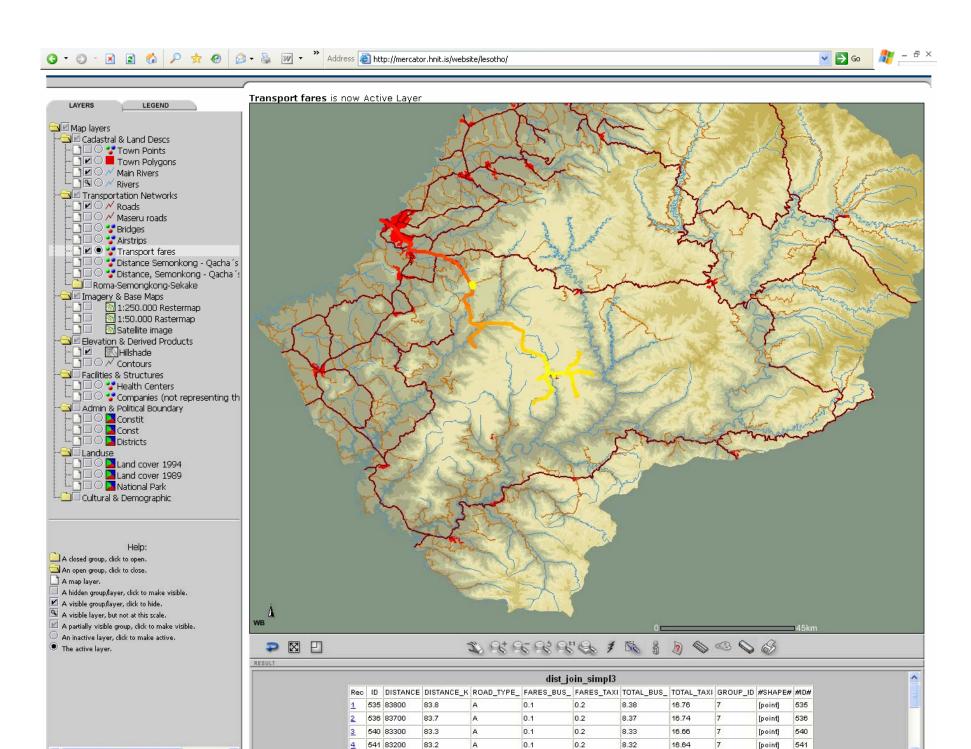
- The main challenge for the transport sector in Lesotho is to
 - provide access and mobility to basic services
 - in order to alleviate poverty and achieve the MDGs objectives
- The MoPWT response to these challenges has been to promote integrated development planning by strengthening internal capacity and cooperate with other relevant sectors
- This initiative is an example of that effort

Integrated development planning through use of GIS as a planning tool

- MoPWT is enhancing the use of GIS by integrating poverty and social data into the GIS and sharing the information with stakeholders
- All information related to other sectors can also be integrated into the GIS as overlays:
 - The availability of accurate integrated data results in better planning for provision of services.

GIS Integration of Transport Related Data





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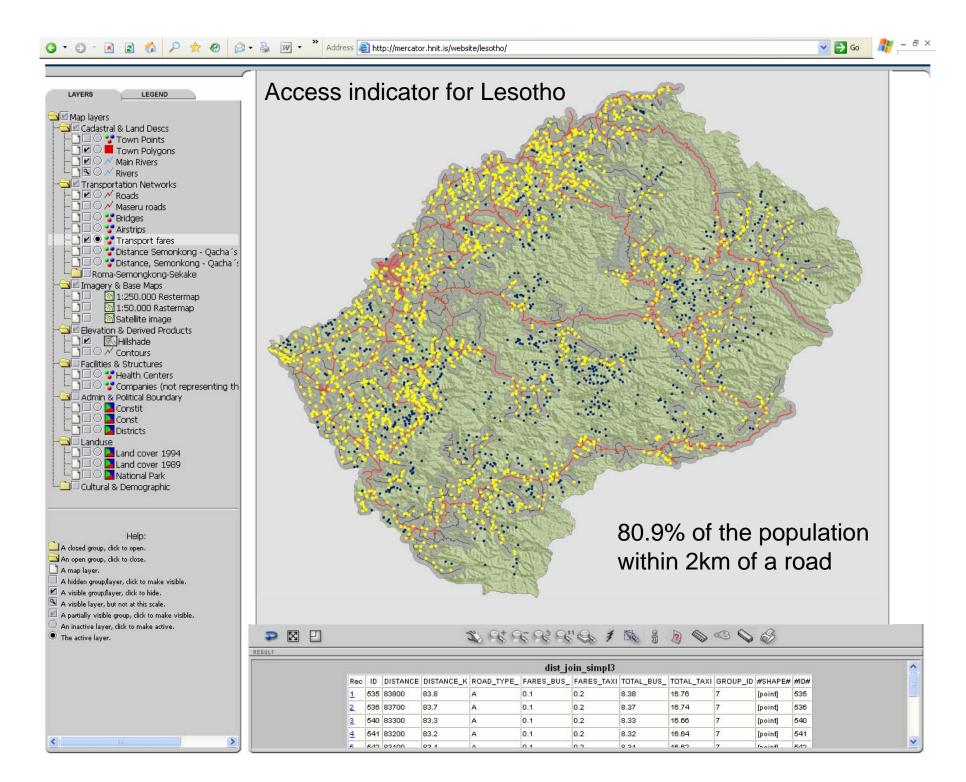
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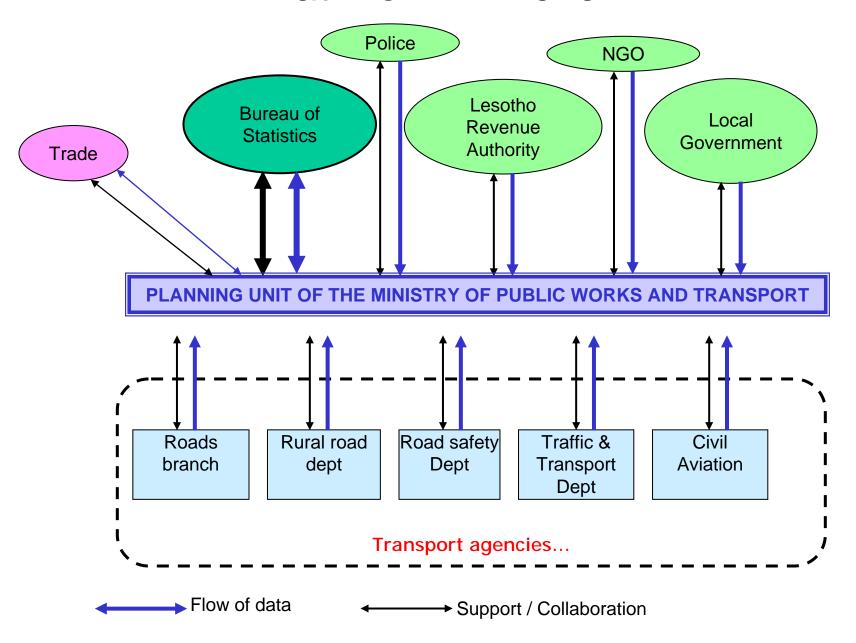
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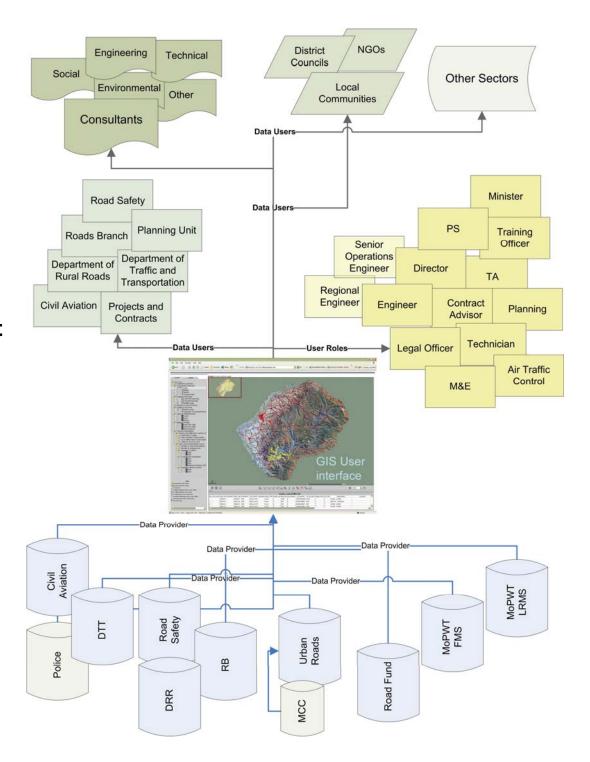
General Data Collection: Institutional Setup at MoPWT Level



The flow of spatial data within the transportation sector in Lesotho

From data providers through a common Internet interface to the data users.

The data users are both defined by their organizational placement within transportation and their roles in a process orientated manner.



What is needed?

- An improvement of the national institutional framework for monitoring and evaluation that focuses on user needs
 - Data policy
 - Standards
 - Pricing
 - Data sharing
 - Enhancing existing processes
 - From above and from below
 - Capacity
 - Technical
 - Hardware/software

Next steps in Lesotho

- Implementing system structures within the transportation sector
- Finalizing and implementing a national data policy within as many sectors as possible
- Building sufficient capacity in-country
- Finding financial resources to accomplish those tasks