

## A framework for developing ICT strategies for Cadastral and Land Registration Organizations



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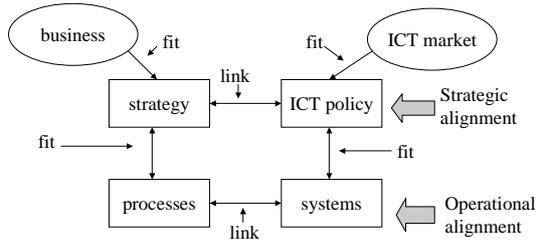
## Introduction

- technology push - market pull
- challenging user requirements
- ICT discipline not recognized
- need for development of ICT strategy in alignment with Business
- improve performance, efficiency and effectiveness = satisfied users



## Improve organizational performance

### Strategic Alignment Model



The MIT Model adopted by prof. v.d. Molen (Henderson and Venkaterran, 1993)



## Good Practices

- do not work in isolation
- 'Lessons Learned'
- learn from each other



## Good Practices (UN, 1999)

### What constitutes a 'Good Practice'?

- actual change, breaks new ground in non-traditional way of performance;
- impact on policy environment, creates a more conducive environment, resource allocation
- demonstrates an innovative and replicable approach
- demonstrates sustainability, commitment in the initiative



## Good Practices

### Special interest exists in good practices that:

- emerge from a participatory process
- involving a range of actors
- have significant scale or 'reach'
- involve inter-agency collaboration



## System and User Requirements

Before altering an existing system or introducing a new one, it is essential that the requirements of those who will use or benefit from the system are clearly identified (UN/ECE, 1996).

- meeting user requirements 'critical success factor' and it is more recognised as such
- Analyses of external and internal user requirements (surveys, questionnaires, meetings...)



## Manageable and Sustainable ICT

Current trends:

- GPS
- total stations
- mobile telephony,
- Internet
- lap tops and PDA
- big servers
- easy and fast access to data and information



## Manageable and Sustainable ICT

Future Developments:

- Distributed Computing
- Blade Servers
- Grid Computing
- Actor Network Technology
- Large Data Repositories



## Manageable and Sustainable ICT

..but, what to choose for your business?

- latest technologies ?  
or...
- proven technologies?



## Manageable and Sustainable ICT

Current but also trend for the future:

- manageable and sustainable ICT
- DataBase driven
- Web enabling
- utilised with all available standards



## Vision: 'To-Be' ICT situation

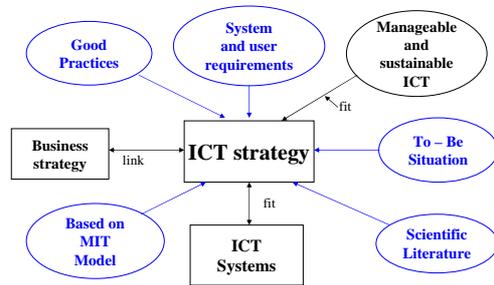
- a clear picture of 'To-Be' ICT situation
- present ICT within the organization



- ICT Strategy
- think big, but work small and act quickly



## Conceptual framework for ICT strategy



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## Conclusions

- recognise ICT as fundamental strategic domain
- develop ICT strategy in alignment with Business strategy
- use *Lessons learned / 'Good Practice'*
- *Analyze user requirements*
- select 'proven' or 'latest'?

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Thank you  
for your attention

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... appropriate and increasing use of ICT, implemented through adequately developed ICT strategy, combined with institutional development, business alignment, etc., results with development of the organizations with efficient and effective way of doing business. This will improve the business of Cadastre, business performance, quality of output and all this with return of investments in ICT.

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