

# Capacity development indicators for Spatial Data Infrastructures in Africa

codi iv - addis ababa - april 2005  
information as an economic resource

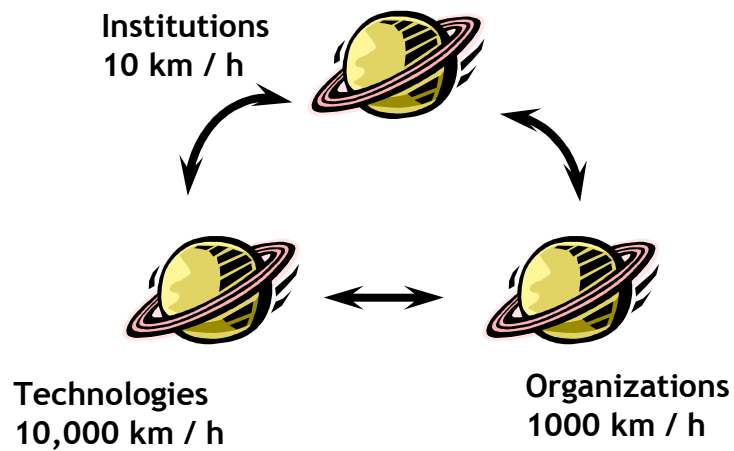
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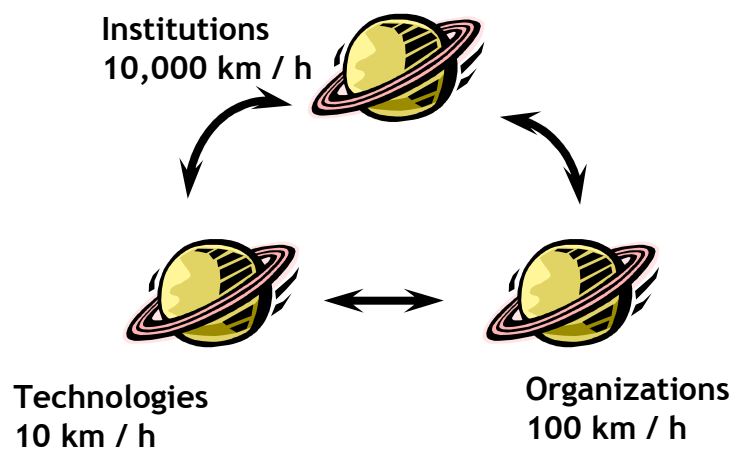
## “velocities” in some countries



## After 45 years of civil war



## “velocities” in Central America



## 3-tier capacity development

	PURPOSE	FOCUS
CAPACITY BUILDING FOR GEOINFORMATICS	Human resources development	Supply of technical and professional personnel
	Organisational strengthening	Strengthen the management capacity of organisations
	Institutional strengthening	Strengthen the capacity for inter-agency coordination



## The UNDP capacity assessment framework adapted to SDI

Assess the capacity to ...	
1. ... conceptualize and formulate policies, legislations, strategies, and programmes	
2. ... implement policies, legislation, strategies, etc	
3. ... build consensus among all stakeholders	
4. ... generate & mobilize geoinformation and knowledge	
5. ... monitor, evaluate, report and learn	



## The UNDP capacity assessment framework adapted to SDI

Assess the capacity to ...	SDI Capacity		
	Systemic	Organizational	Individual
1. ... conceptualize and formulate policies, legislations, strategies, and programmes			
2. ... implement policies, legislation, strategies, etc		example	
3. ... build consensus among all stakeholders			
4. ... generate & mobilize geoinformation and knowledge			
5. ... monitor, evaluate, report and learn			



## Example of Capacity Development Indicators

2. Assess capacity to implement policies, legislation, strategies, etc	
Systemic	
Organizational	<p><b>0</b> – There is no lead institution or agency with a clear mandate or responsibility for SDI;</p> <p><b>1</b> – There are one or more institutions or agencies dealing with SDI but roles and responsibilities are unclear and there are gaps and overlaps in the arrangements;</p> <p><b>2</b> – There are one or more institutions or agencies dealing with SDI, the responsibilities of each are fairly clearly defined, but there are still some gaps and overlaps;</p> <p><b>3</b> – SDI organisations have clear legal and institutional mandates and the authority to implement</p>
Individual	



## How to conduct assessments?

- Qualitative and quantitative research methods:
  - Surveys
  - Semi-structured interviews
  - Observation
  - Scrutiny of minutes, memos, etc



## SDI capacity assessment completed !

Assess the capacity to ...	SDI Capacity		
	Systemic	Organizational	Individual
1. ... conceptualize and formulate policies, legislations, strategies, and programmes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. ... implement policies, legislation, strategies, etc	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. ... build consensus among all stakeholders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. ... generate & mobilize geoinformation and knowledge	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. ... monitor, evaluate, report and learn	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



## Example of SDI capacity development indicators

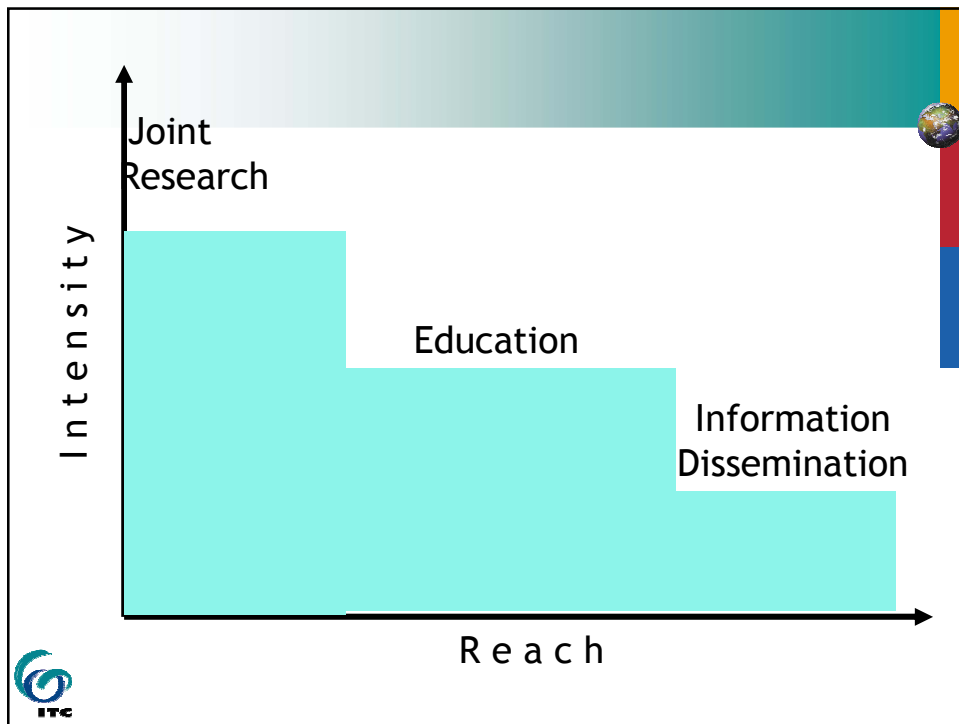
Assess the capacity to ...	SDI Capacity		
	Systemic	Organizational	Individual
1. ... conceptualize and formulate policies, legislations, strategies, and programmes	0	1	1
2. ... implement policies, legislation, strategies, etc	1	1	1
3. ... build consensus among all stakeholders	2	2	2
4. ... generate & mobilize geoinformation and knowledge	1	2	1
5. ... monitor, evaluate, report and learn	1	2	2



## What is the purpose of the assessment?

- It allows to determine the right mix of capacity development interventions, eg:
  - Information dissemination
  - Education
  - Joint Research
  - Facilitation of strategic workshops
  - Others? Mentoring
- If done at a regional level, capacity development interventions can be spread judiciously across nations





## conclusion

- Currently research is being done with this instrument in Central America (MSc)
- There is a need to refine the capacity assessment framework (PhD)
- Plan to adapt this framework in ITC project in Rwanda
- The time is now right to conduct SDI capacity assessment research in concert with the NICI capacity assessments