

Why National Spatial Data Infrastructure?

Importance of NSDI in achieving successful national coordination

Africa Flores
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ICIMOD



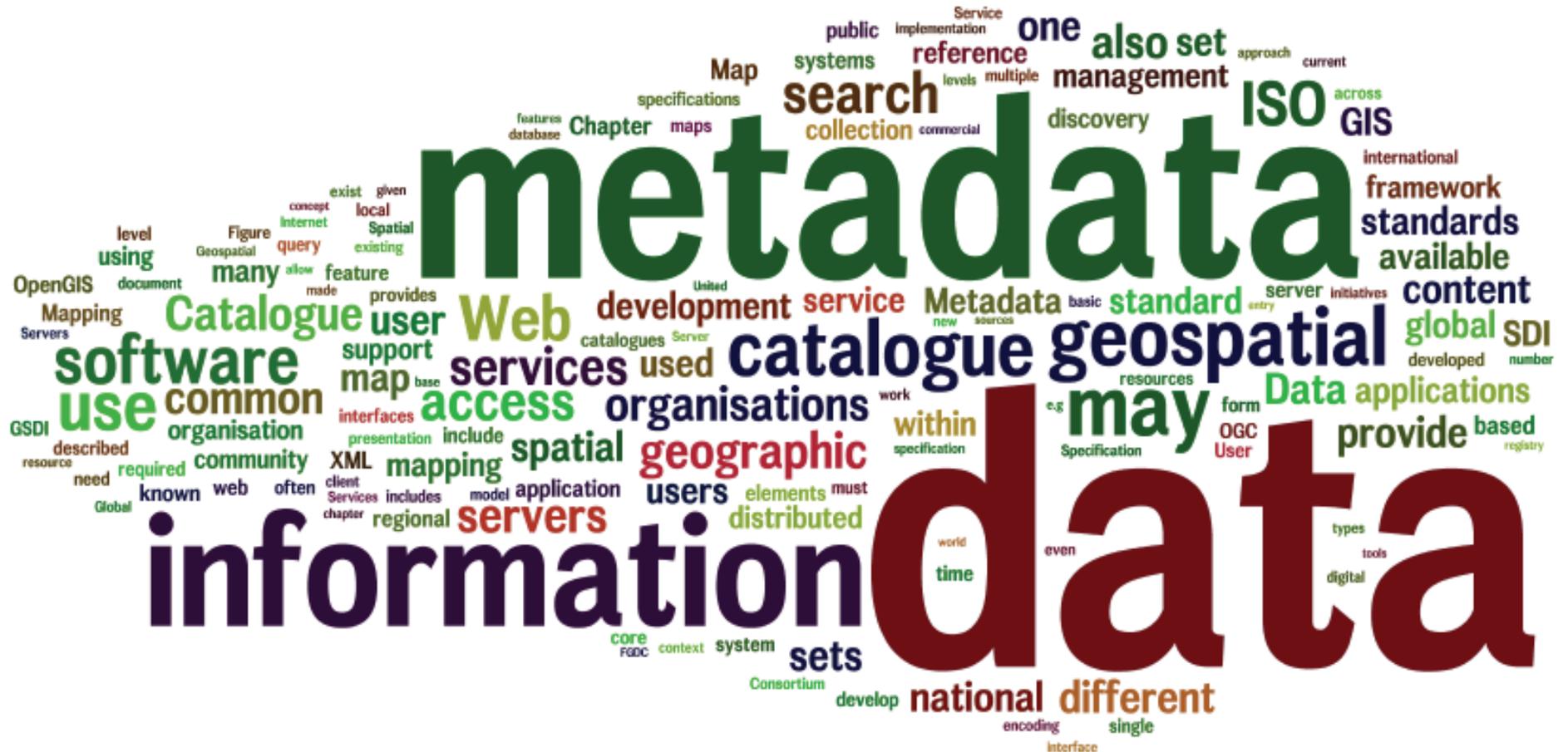
What is a NSDI?



- “Technologies, policies, and human resources necessary to promote sharing of geospatial data throughout all levels of government, the private and non-profit sectors, and the academic community” (FederalGeographicDataCommittee, FGDC)

Key Ideas about SDIs

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Source: The SDI Cookbook V 2.0, January 2004 – Created with Wordle

What is the purpose?



- Reduce duplication of efforts among agencies
- Make geographic data more accessible to the public
- Increase benefits of using available data
- Establish key partnerships among different groups to increase data availability
- **Enhance decision making**

Source: FGDC, 2014. <http://www.fgdc.gov/nsdi/nsdi.html>

What is needed to implement a NSDI?

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Work together

“Building an effective NSDI requires a well coordinated effort among all the national entities involved.” FGDC, 2005.



Pitfalls that discourage adoption/use – User facing

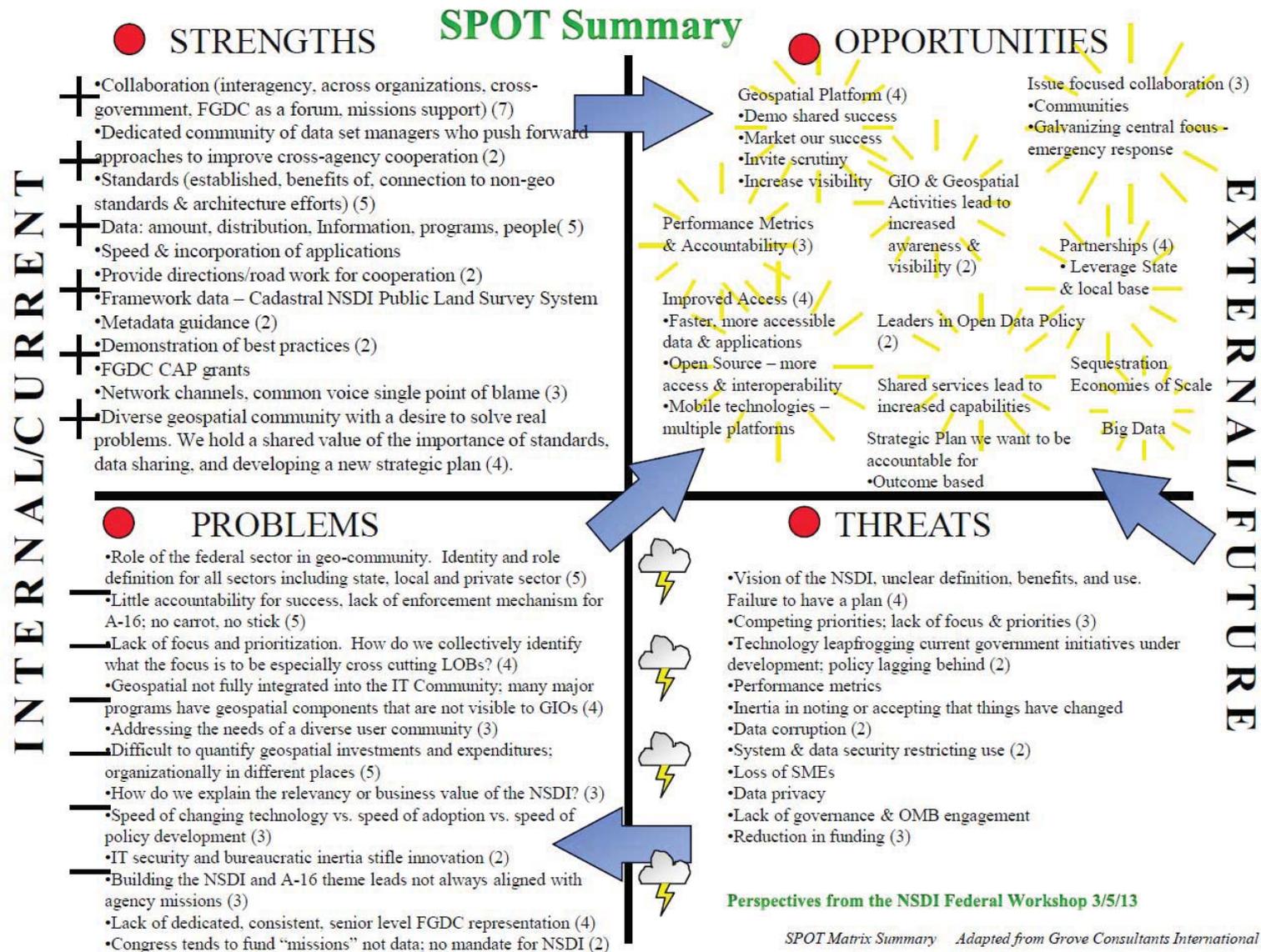
- Unreliability
- Complexity
- Outdated / incorrect information
- Software bugs
- Poorly designed UI
- Inadequate system performance



Pitfalls that discourage adoption/use – Internal

- Complexity
- Unrealistic goals and/or inadequate planning
- Lack of recognition (institutional & individual)
- Poor communications

FYI: SPOT Summary - US FGDC



Source: <http://www.fgdc.gov/nsdi-plan/nsdi-strategic-visioning-workshop-march-2013/nsdi-spot-matrix-030513.pdf>

Driving forces

- Citizen's (NGOs, public sector, civil society, etc.) demand for continuous service
- Knowledge sharing (among implementers, among user communities)
- Encouraging/enforcing participation (incentives, penalties)
- Availability of resources
- Policies & Regulations



How can SERVIR-Africa support?



- Technology
 - Technical Training
 - Establishment of the platform used for the SDI
 - Enabling data sharing
 - Knowledge sharing

Thank you!
Questions?

