

## GIDEON – The Dutch SDI in an international context

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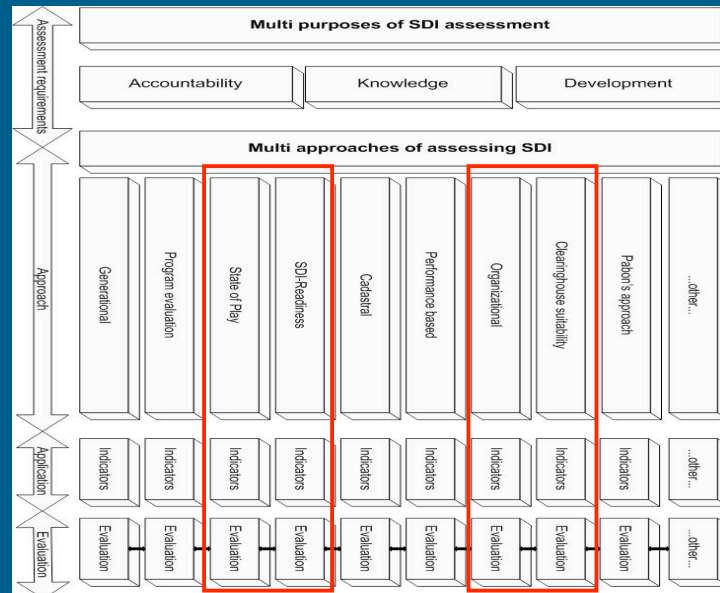


## Context

- My project is about National SDIs assessment
- Multi-view framework
- Assessed 21 National SDIs
- Special attention to GIDEON
- Data collected by means of survey
- Survey filled in by SDI coordinators (on behalf of authorized SDI institution)
- 4 SDI assessment approaches used

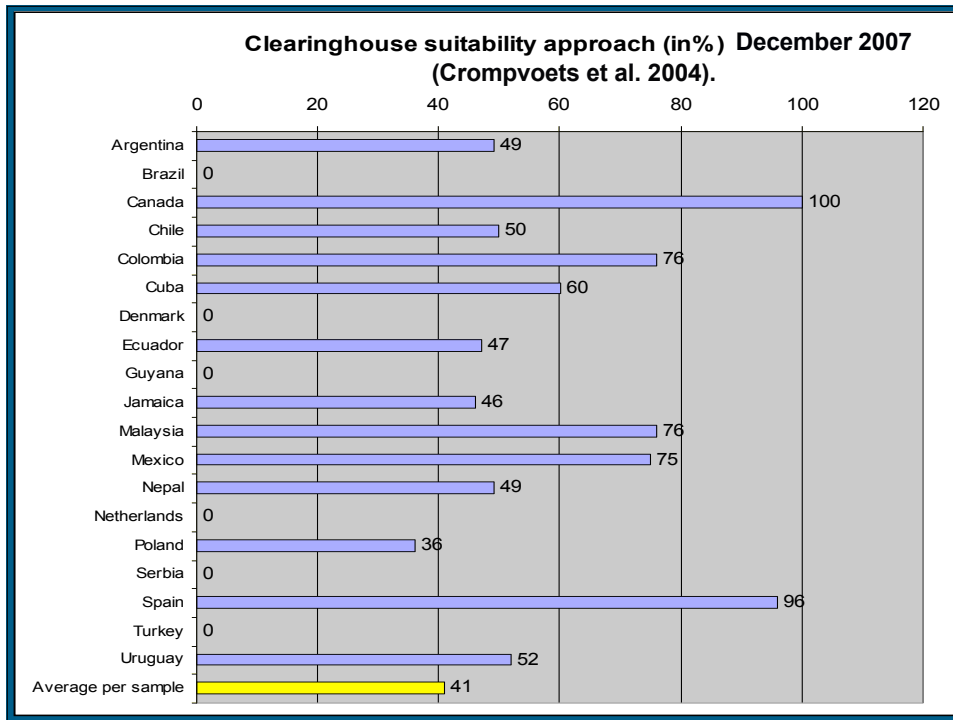


## Multi-view SDI framework (Grus et al., 2007)



## Clearinghouse suitability approach

- Examination of the developments of the existing national spatial data clearinghouses around the world
- Focus on a systematic description of 15 clearinghouse characteristics described by (Crompvoets et al. 2004).

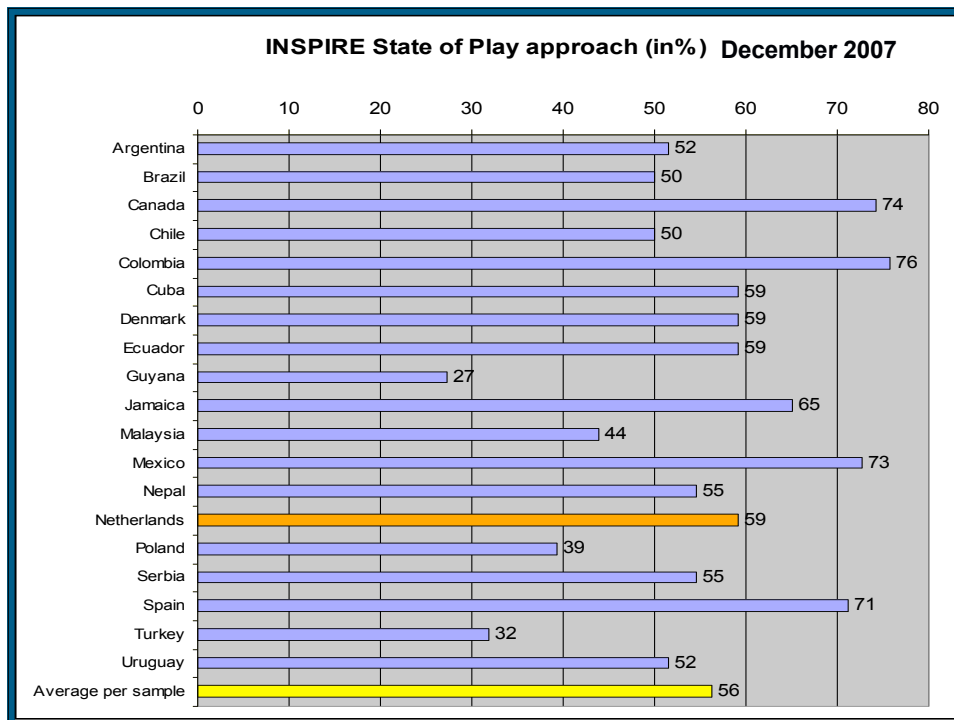


## SDI-readiness approach

- SDI readiness index is defined as *the degree to which a country is prepared to deliver its geographical information in a community (Delegado et al, 2005).*
- **Aspects:**
  - organizational
  - information
  - access network
  - human resources
  - financial resources

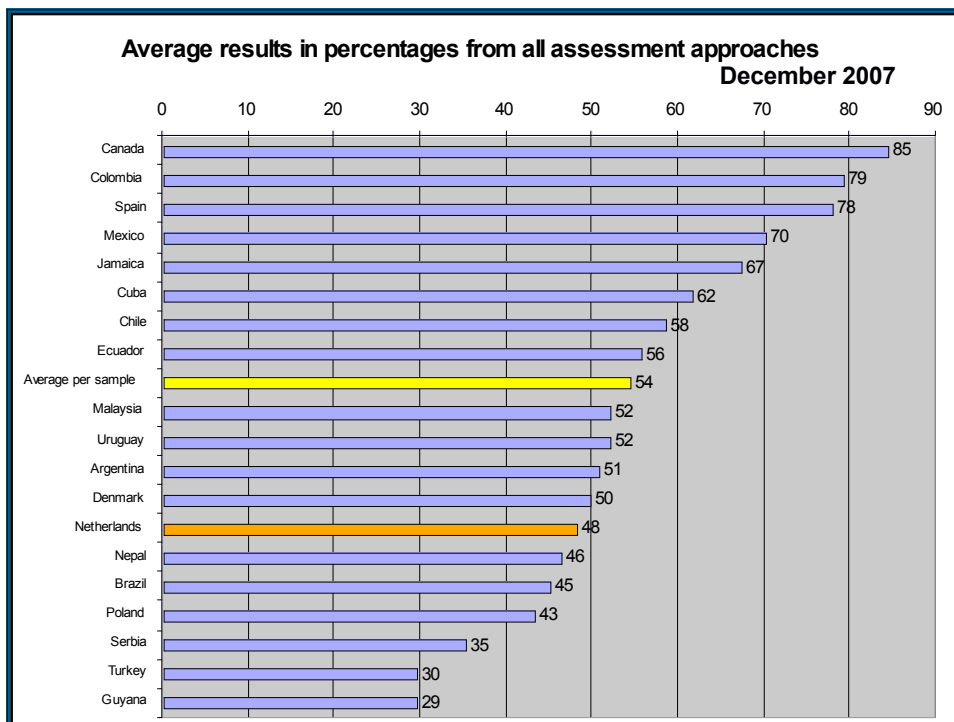
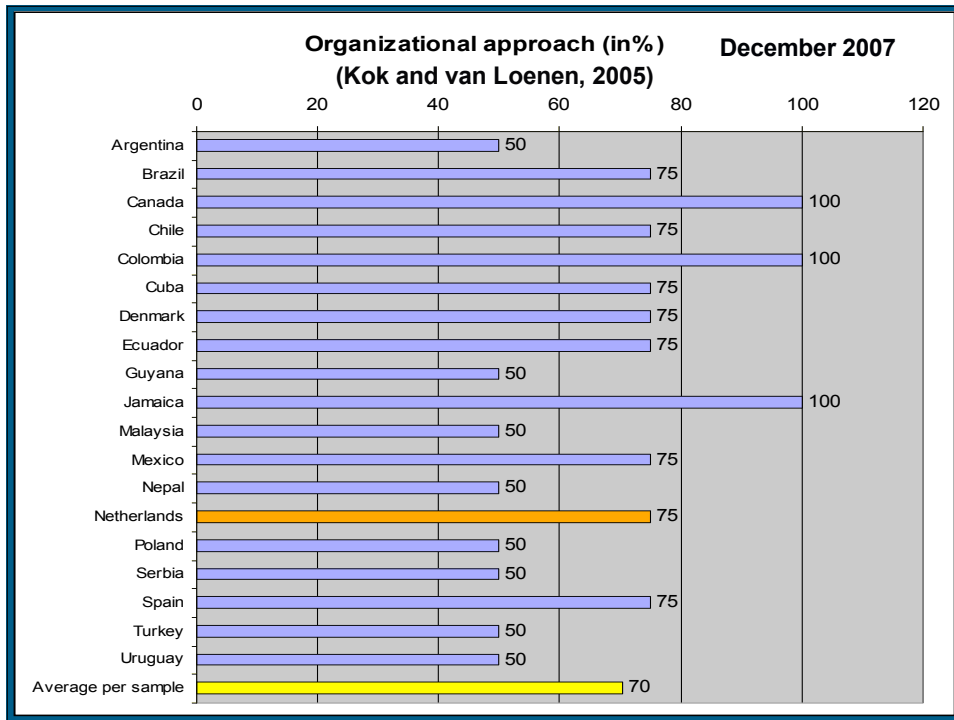
## INSPIRE State of Play approach

- State of Play of SDIs in Europe performed by the Spatial Applications Division of K.U. Leuven (Vandenbroucke)
- Assessment refers to the items that relate to a number of organizational issues and to the six generic components of an SDI (GSDI-Cookbook) + Thematic environmental data
  - Organizational aspects
  - Legal Framework and Funding Mechanism,
  - Spatial data,
  - Metadata,
  - Access and other Services,
  - Standards,
  - and Thematic environmental data



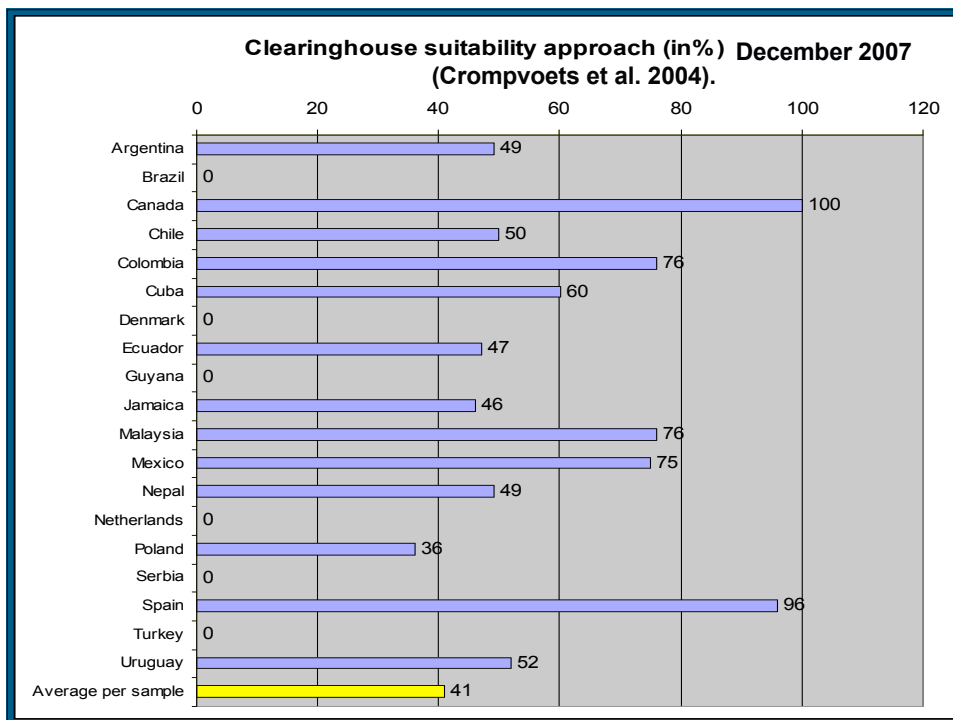
## Organizational approach

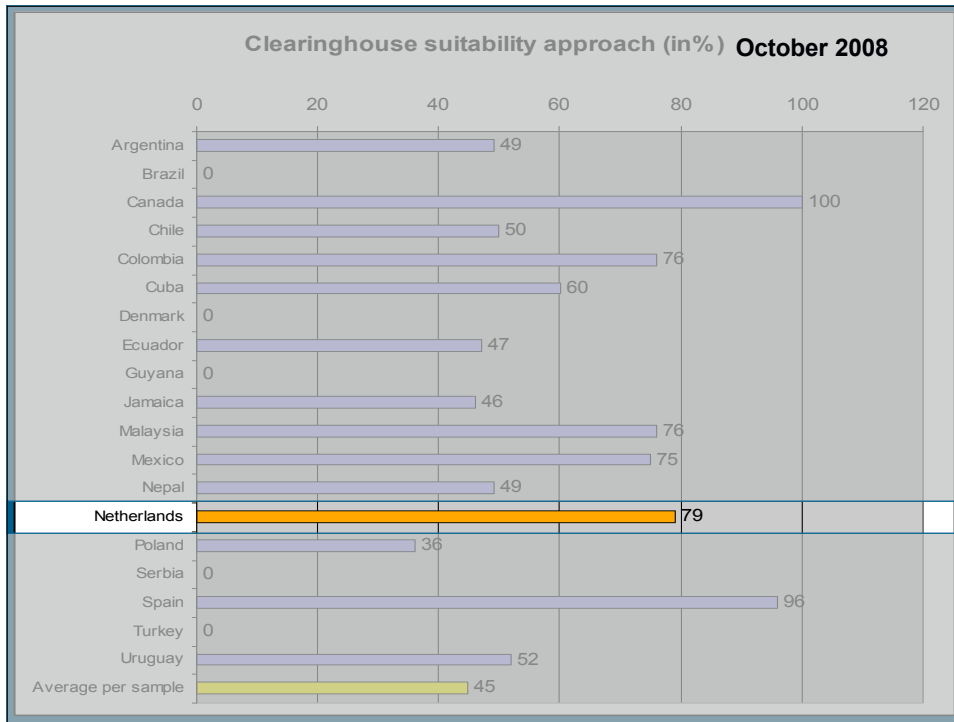
- Intention to identify, describe and compare the current status of the organizational aspects of the NSDI (Kok and van Loenen, 2005)
- Assessment of characteristics of institutional components:
  - leadership
  - vision
  - communication channels
  - self organising ability of sector
- Four stages of development
  - Stand-alone (stage 1 = 25%)
  - Exchange (stage 2 = 50%)
  - Intermediary (stage 3 = 75%)
  - Network (stage 4 = 100%)



## Assessment results

- In October 2008 another measurement of the Dutch SDI was performed





## Differences in Clearinghouse suitability SDI approach

- National Georegister “almost” ready
- Clearinghouse suitability indicators measured georegister

*(Delegado et al, 2005).*

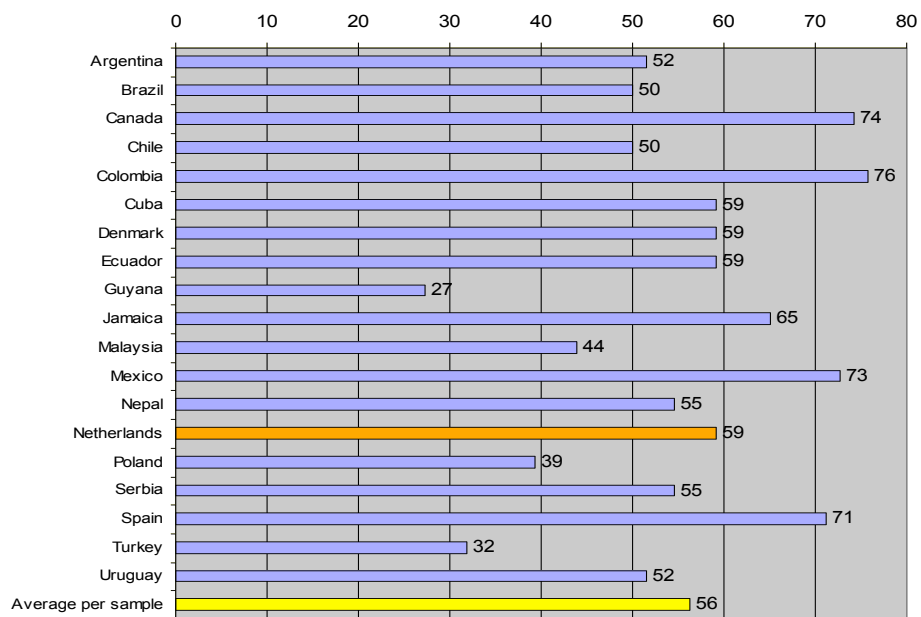
December 2007

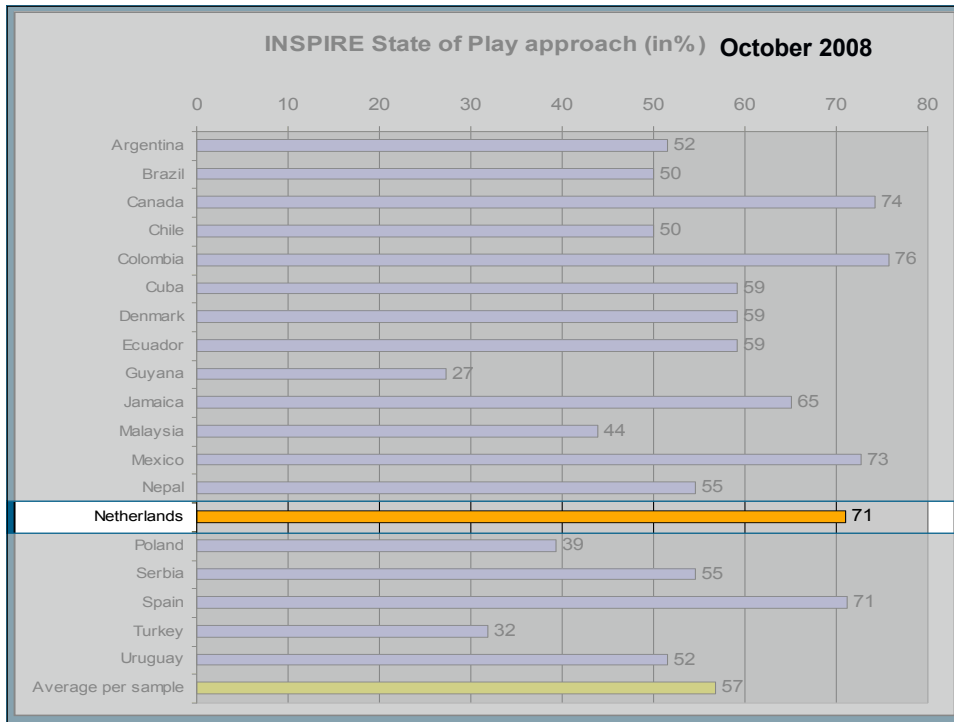
October 2008

## Differences in SDI readiness approach results

| Indicators                       | December 2007 | October 2008 |
|----------------------------------|---------------|--------------|
| Politician vision regarding SDI  | 0.35          | 0.8          |
| Institutional leadership         | 0.5           | 0.65         |
| Umbrella legal agreement(s)      | 0.65          | 0.8          |
| Digital cartography availability | 0.65          | 0.8          |
| Metadata availability            | 0.5           | 0.5          |
| Human Capital                    | 0.99          | 0.99         |
| SDI culture                      | 0.65          | 0.8          |
| Individual leadership            | 0.65          | 0.65         |
| Web connectivity                 | 0.73          | 0.73         |
| Telecommunication infrastructure | 0.68          | 0.68         |
| Geospatial software availability | 0.65          | 0.8          |
| Own geoinformatics development   | 0.65          | 0.8          |
| Open source culture              | 0.35          | 0.5          |
| Government central funding       | 0.5           | 0.65         |
| Return on investment             | 0.35          | 0.65         |
| Private sector activity          | 0.5           | 0.5          |

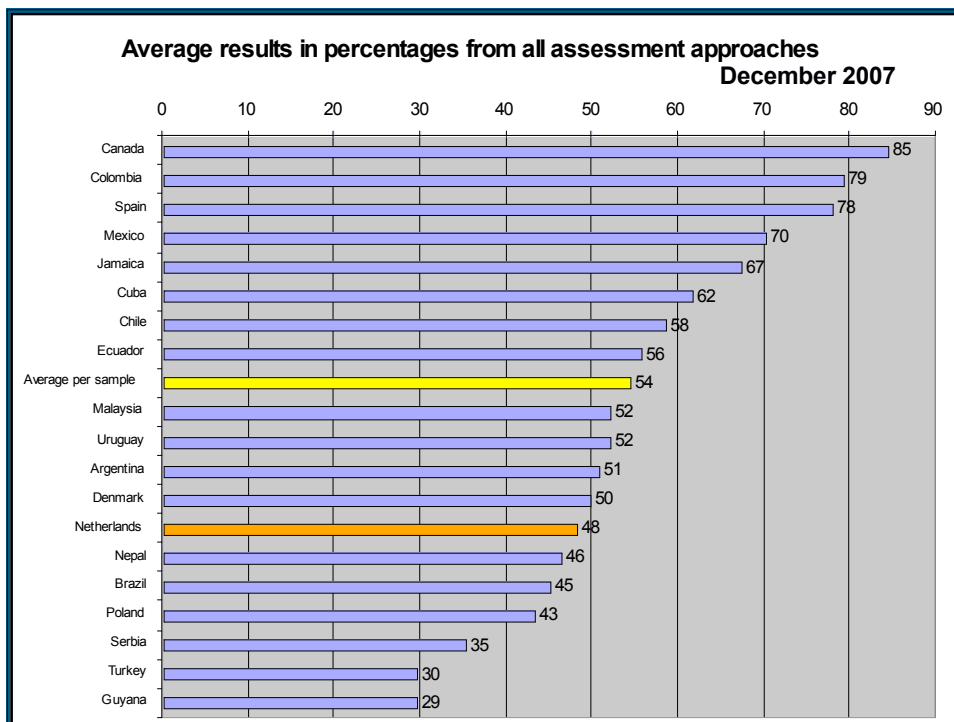
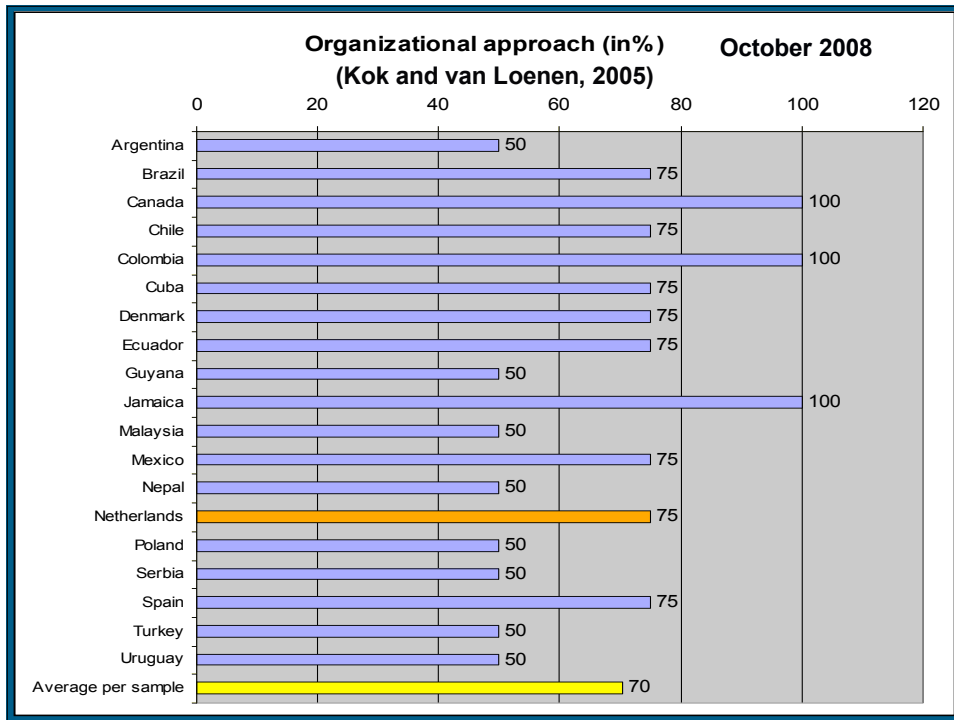
## INSPIRE State of Play approach (in%) December 2007

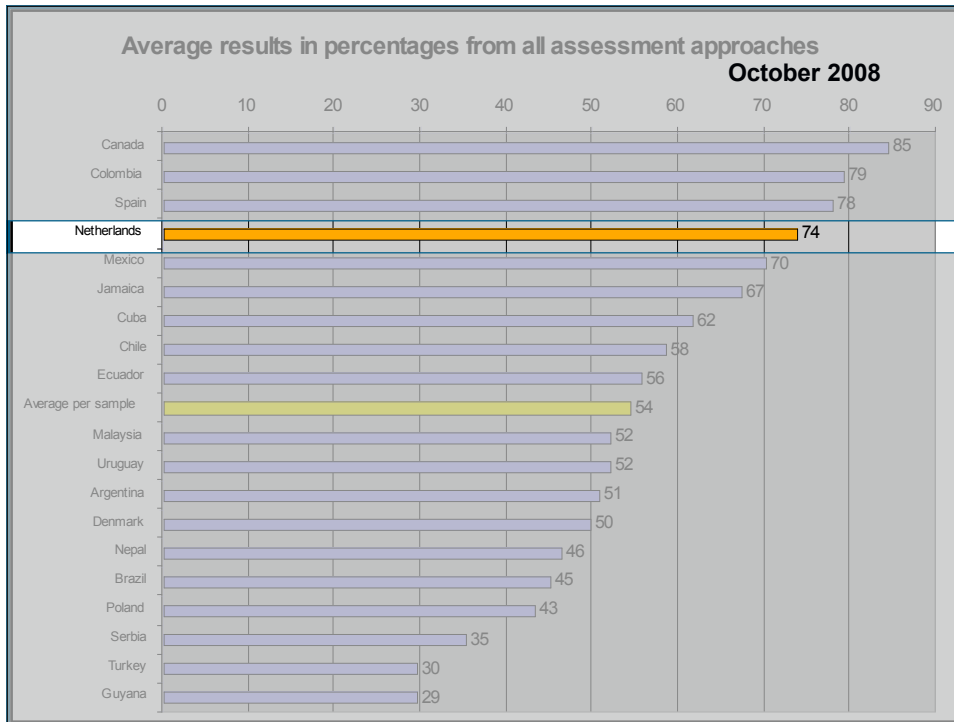




## INSPIRE State of Play approach - changes

| INDICATOR   | Dec 2007 | Oct 2008 |
|---|----------|----------|
| The SDI-initiative has a long-term and clear vision about the national SDI  | 0,5      | 1        |
| There is documented data quality control procedures applied at the level of the national SDI  | 0        | 0,5      |
| Concern for interoperability goes beyond conversion between data formats (e.g. hardware/software/data definitions)                      | 0,5      | 1        |
| One or more standardized metadata catalogues are available covering more than one data producing agency                                 | 0,5      | 1        |
| One national on-line access service for metadata (clearinghouse) is available providing metadata of more than one data producing agency | 0        | 0,5      |
| There are one or more web mapping service available for core spatial data   | 0,5      | 1        |





## Conclusions

- Dutch SDI low in Dec 2007
- but...
- Currently much higher – right track
  - GIDEON
  - Georegister
- Specific assessment needed (current work)



- Questions?
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