

SDI in the Netherlands

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Wageningen University



Overview presentation

- Who am I ?
- SDI in NL
- SDI research

Who am I?

- About 12 years Wageningen University
- Involved in:
 - SDI development (geo-postal, GIDEON, INSPIRE, etc)
 - SDI research (understanding the phenomena and assessment)
 - SDI education (SDI course of 6 ec)

SDI in NL

- What is your impression?

SDI-Components :

DATA	STANDARDS	TECHNOLOGY	POLICY	ORGANISATION	PEOPLE and KNOWLEDGE

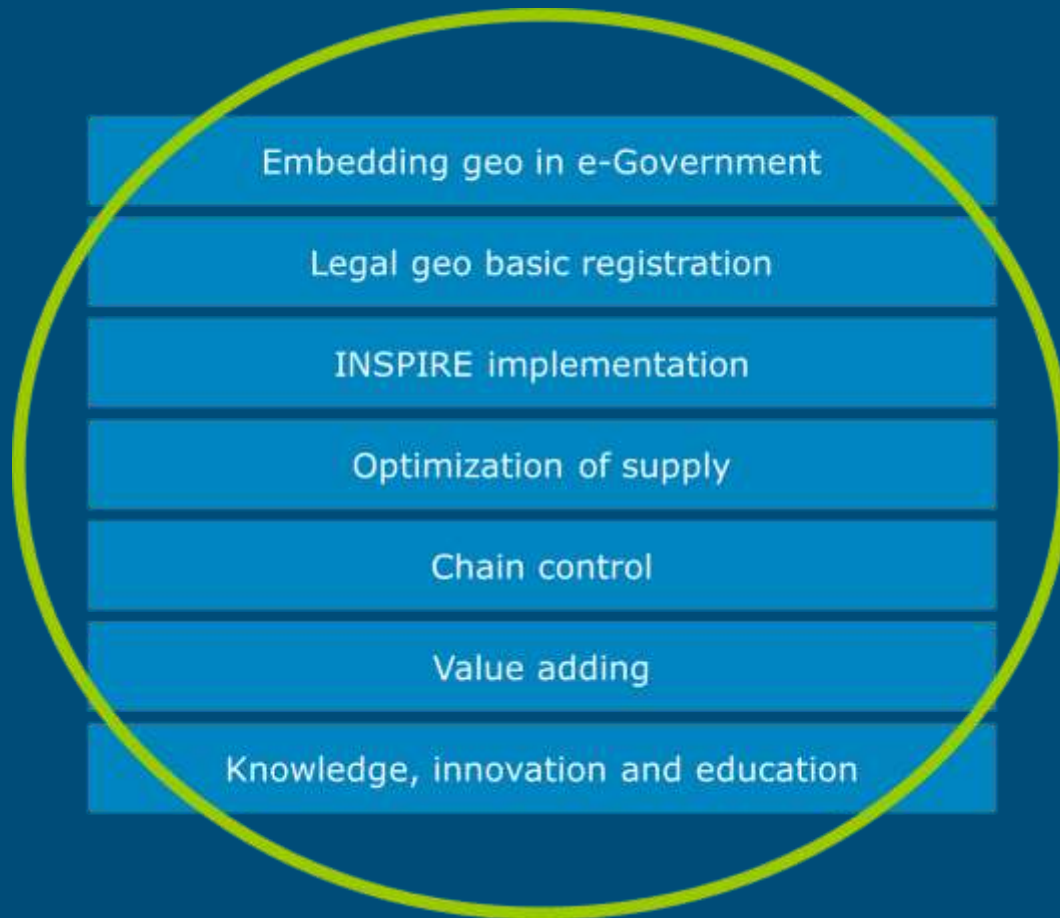
NSDI vision and implementation strategy for 2008-2011 (GIDEON)



GIDEON: objectives

- Public and businesses are able to retrieve and use all relevant geo-information;
- Businesses able to add economic value to government-provided geo-information;
- The government will use information for each location in its work processes and services;
- Continuing development and innovation of the key facility.

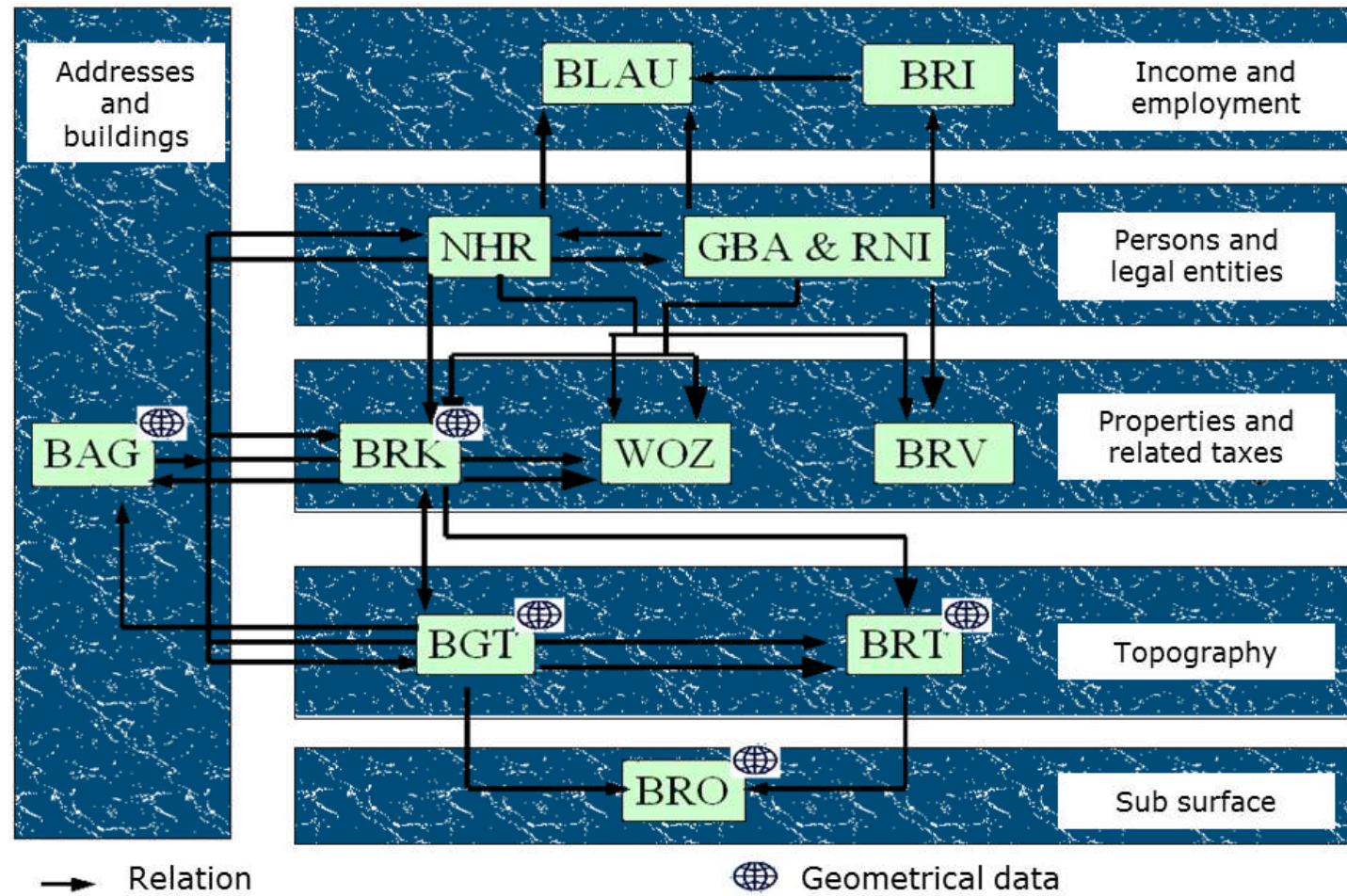
GIDEON: Strategy



E-government

- Geo-standards on the E-standards list
- Geo-policy in line with national E-policy

Geo-registrations



Supply optimization



The screenshot displays the National GeoRegister.nl website. At the top, there is a header with the logo and a coordinate display (52°09'N 05°23'E). Below the header is a navigation bar with links for Search, Map, Organisations, Publish, Information, and Help. The main content area is divided into two columns: 'What?' and 'Where?'. The 'What?' column contains search filters for precision, INSPIRE search options, and a catalog dropdown. The 'Where?' column features a map of the Netherlands and geospatial search options, including a dropdown for 'overlaps' and input fields for latitude and longitude. A 'When?' section is also visible at the bottom right of the main content area.

Deutsch - Français - Nederlands

Welcome to the National GeoRegistry

The Dutch National GeoRegistry serves as the 'Yellow Pages' for searching, finding and publishing online geo-information in the Netherlands.

The National GeoRegistry provides:

- a geographic search engine
- a web mapping viewer
- publishing tools for data providers
- elaborate background information

Getting started? Read the Quick Start Guide or consult the information page.

> NGR Initiative

> Quick start!

> Help

What?

Precision

tolerance precise

▶ **INSPIRE search options**

With the exact combination of words

With one of these words

With all these words

Without the words

Catalog

▶ **Keywords**

▶ **Theme**

Where?



Geospatial search area of interest

lat (max) long (max)

long (min) lat (min)

When?

Anytime

Options

Filter options for the result pages will be added here shortly

Chain control/cooperation

- Organization of integrated geo-information support for e.g.:
 - Mobility
 - Water
 - Environment
 - Safety

Value adding

- Opportunities for companies
 - Data available
 - Topographic data
 - Geology
 - Etc
 - Open data movement
 - E.g. National satellite databank

Knowledge, Innovation and Education

- Space for geo-information (40 m euro) 2009
- New projects Urban regions in the Delta (NWO)
- Maps4Science (proposal)

- Innovation platform geo (IIP-GEO) (companies)

- “Geo Labour foundation” All levels of geo-education

Monitoring

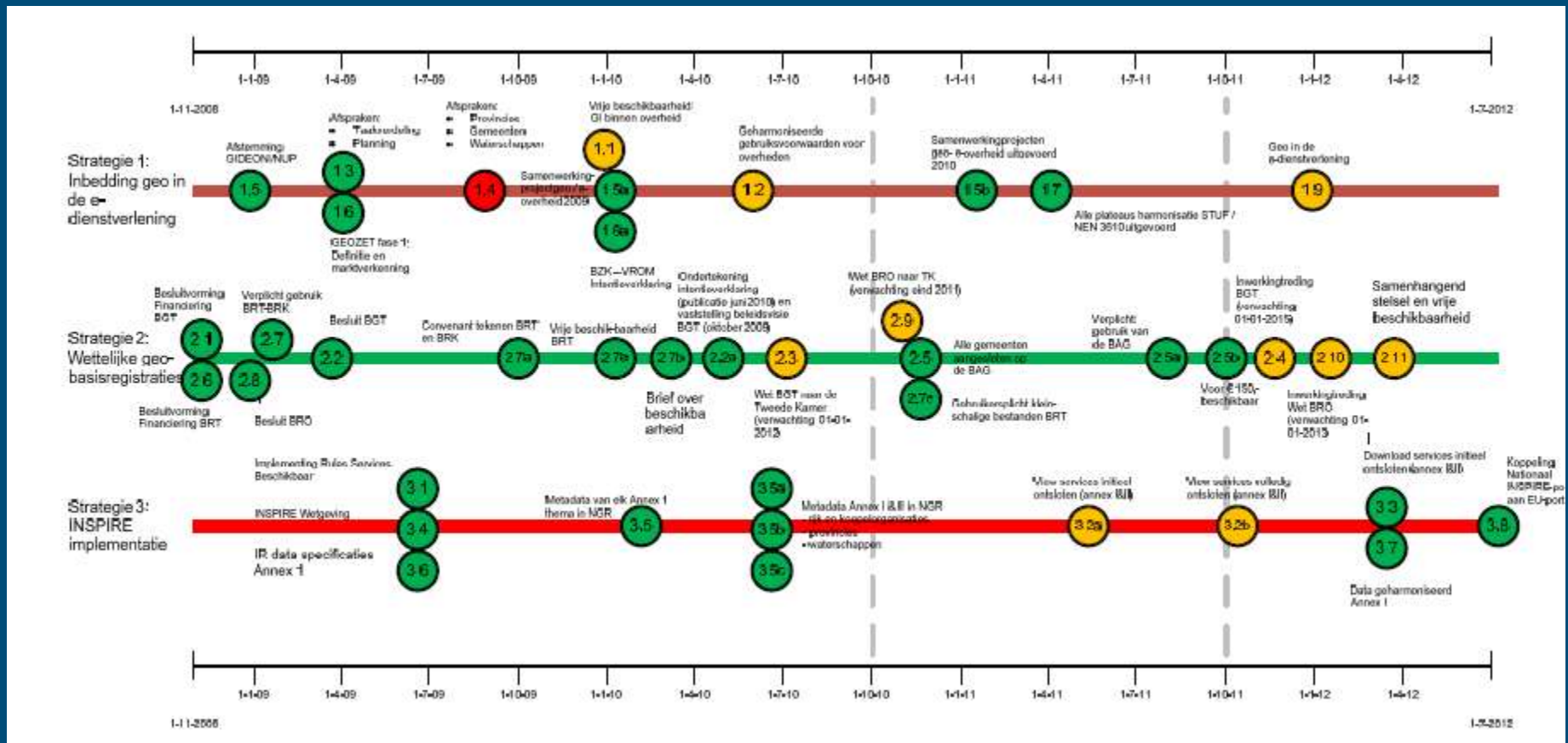
GIDEON – Basisvoorziening Geo-informatie Nederland

Visie en implementatiestrategie (2008 – 2011)

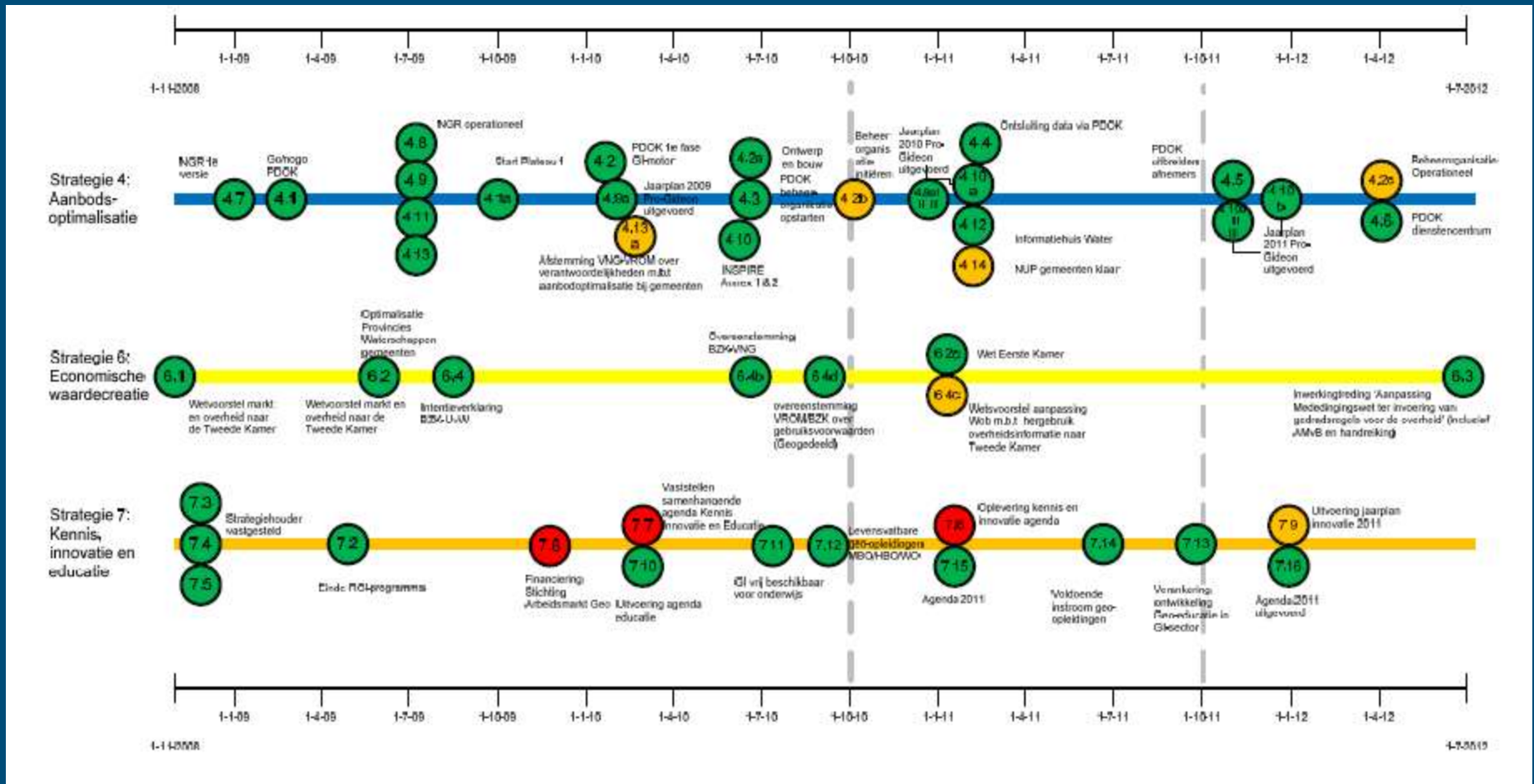
Voortgangsrapportage uitvoering – nummer 4

December 2011

GIDEON Monitoring 1



GIDEON Monitoring 2



Impact

	Organ. issues	Legal issues funding	Data	Metadatas	Network services	Standards	Total average
The Netherlands (2010)	75%	89%	86%	100%	100%	100%	92%
The Netherlands (2007)	88%	50%	79%	83%	70%	100%	78%
The Netherlands (2005)	88%	39%	86%	67%	30%	100%	68%

Evaluation

Nr	Implementatiestrategie
1	Inbedding GEO in E-overheid / E-dienstverlening
2	GEO-basisregistraties
3	INSPIRE
4	Aanbodoptimalisatie
5	Ketensamenwerking in beleid en uitvoering (publiek domein)
6	Waardecreatie
7	Kennis, innovatie en educatie
8	Coördinatie, sturing en regie

GIDEON (personal) reflection

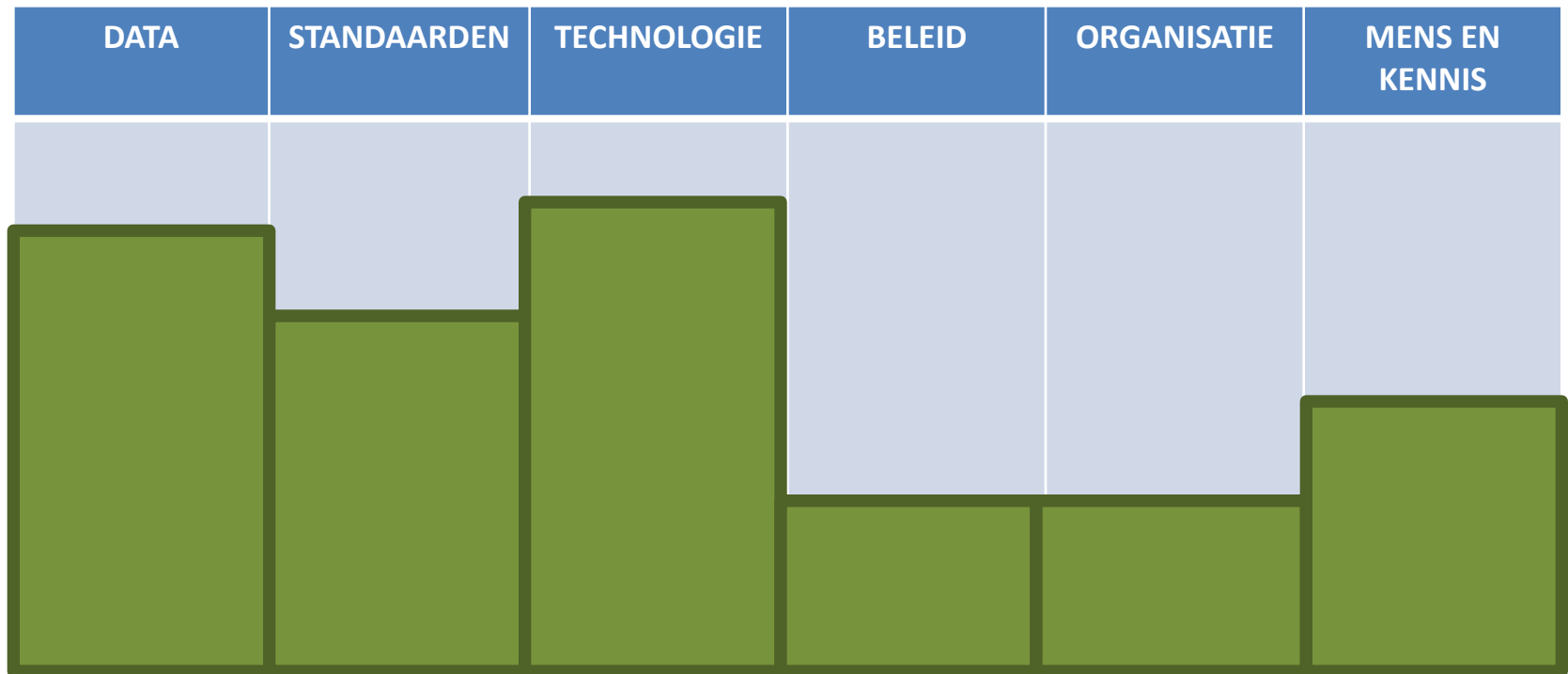
- Overall successful
 - Combination of vision and strategy
 - Systematic monitoring
- The supply oriented strategies more successful
- Discussion GIDEON 2.0 (tendency to focus on the easy activities)

SDI-Components :

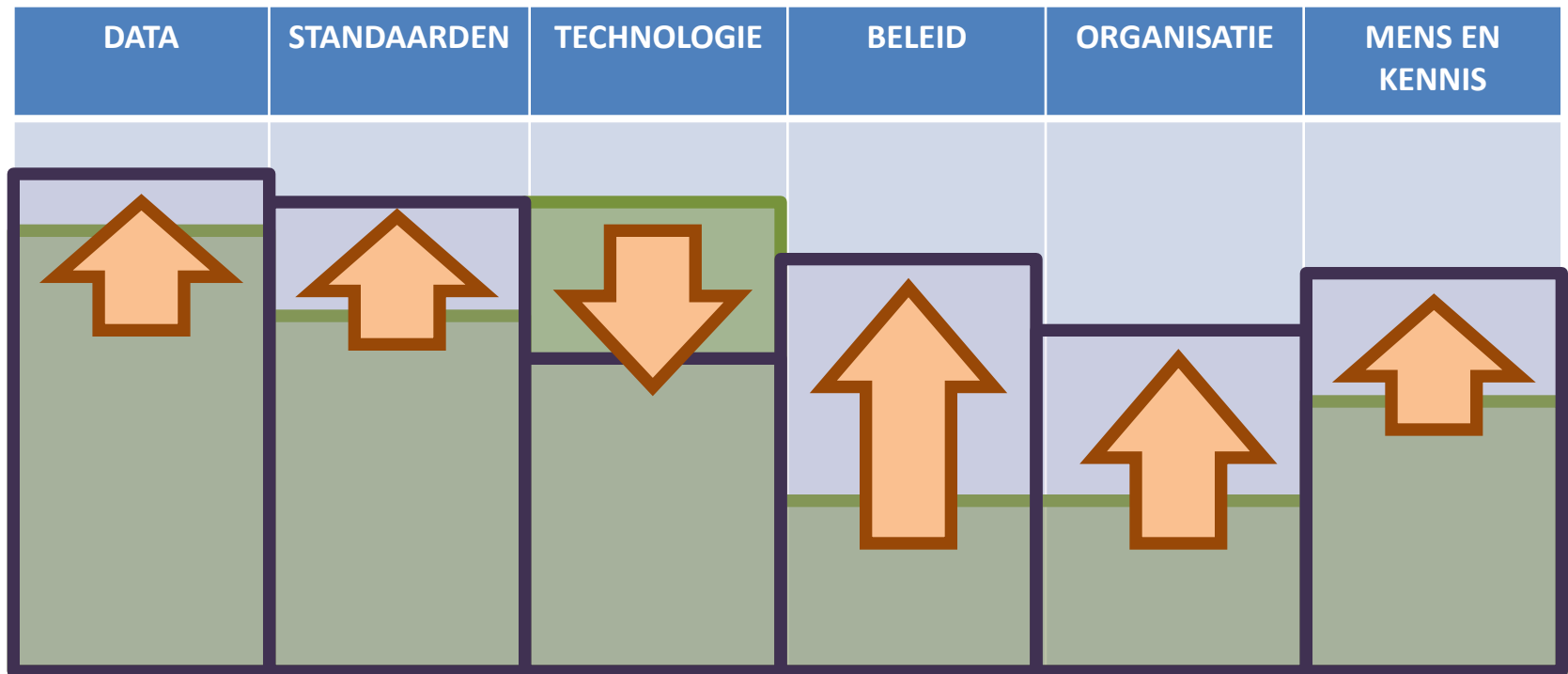
DATA	STANDARDS	TECHNOLOGY	POLICY	ORGANISATION	PEOPLE and KNOWLEDGE

SDI-NL 2007

(Before the start of GIDEON):













SDI-NL 2011




SDI research

- SDI research in the World
- SDI research in NL (a selection)

SDI research in the world: Authors







<input type="checkbox"/> View Records <input checked="" type="checkbox"/> Exclude Records	Field: Authors	Record Count	% of 284	Bar Chart
<input type="checkbox"/>	IEEE	15	5.282 %	
<input type="checkbox"/>	RAJABIFARD A	10	3.521 %	
<input type="checkbox"/>	MURO MEDRANO PR	9	3.169 %	
<input type="checkbox"/>	NOGUERAS ISO J	9	3.169 %	
<input type="checkbox"/>	ZARAZAGA SORIA FJ	9	3.169 %	
<input type="checkbox"/>	WILLIAMSON I	8	2.817 %	
<input type="checkbox"/>	RAJABIFARD ABBAS	6	2.113 %	
<input type="checkbox"/>	ZIPF A	6	2.113 %	
<input type="checkbox"/>	BEJAR R	5	1.761 %	
<input type="checkbox"/>	CROMPVOETS J	5	1.761 %	
<input type="checkbox"/> View Records <input checked="" type="checkbox"/> Exclude Records	Field: Authors	Record Count	% of 284	Bar Chart

SDI-research: Countries

<input type="checkbox"/> View Records <input checked="" type="checkbox"/> Exclude Records	Field: Countries/Territories	Record Count	% of 284	Bar Chart
<input type="checkbox"/>	USA	54	19.014 %	
<input type="checkbox"/>	GERMANY	36	12.676 %	
<input type="checkbox"/>	ITALY	25	8.803 %	
<input type="checkbox"/>	SPAIN	25	8.803 %	
<input type="checkbox"/>	PEOPLES R CHINA	24	8.451 %	
<input type="checkbox"/>	NETHERLANDS	23	8.099 %	
<input type="checkbox"/>	AUSTRALIA	22	7.746 %	
<input type="checkbox"/>	CANADA	12	4.225 %	
<input type="checkbox"/>	ENGLAND	8	2.817 %	
<input type="checkbox"/>	BELGIUM	7	2.465 %	
<input type="checkbox"/> View Records <input checked="" type="checkbox"/> Exclude Records	Field: Countries/Territories	Record Count	% of 284	Bar Chart

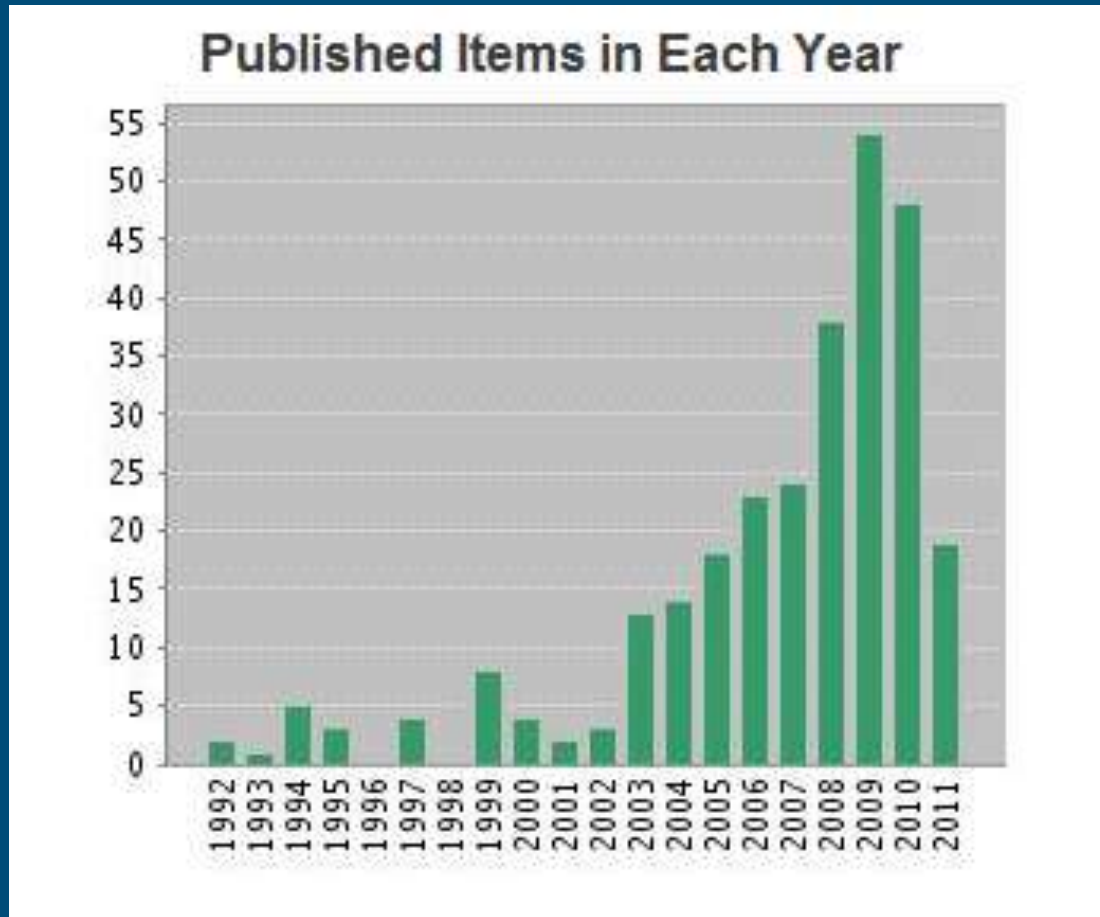
(23 Countries/Territories value(s) outside display options)

SDI Research: Years

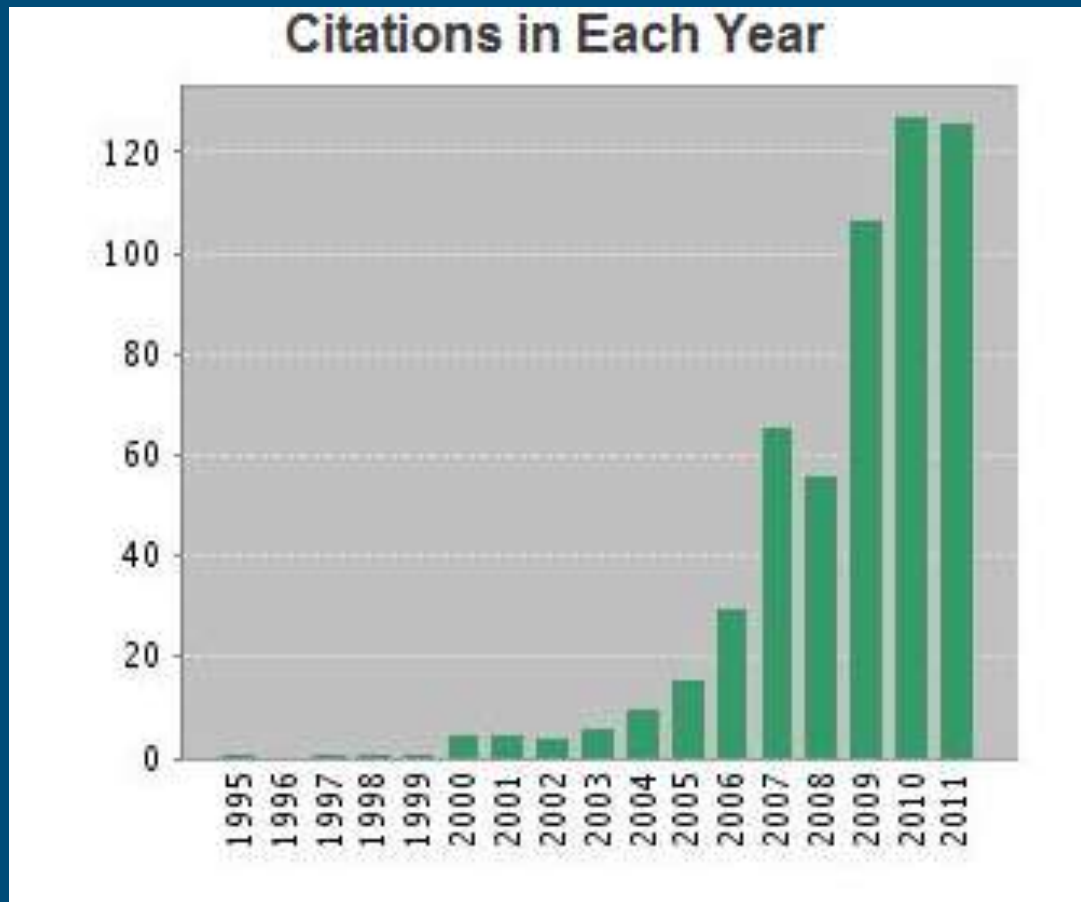
<input type="checkbox"/> <input type="checkbox"/>	Field: Publication Years	Record Count	% of 284	Bar Chart
<input type="checkbox"/>	2009	54	19.014 %	
<input type="checkbox"/>	2010	48	16.901 %	
<input type="checkbox"/>	2008	38	13.380 %	
<input type="checkbox"/>	2007	24	8.451 %	
<input type="checkbox"/>	2006	23	8.099 %	
<input type="checkbox"/>	2011	19	6.690 %	
<input type="checkbox"/>	2005	18	6.338 %	
<input type="checkbox"/>	2004	14	4.930 %	
<input type="checkbox"/>	2003	13	4.577 %	
<input type="checkbox"/>	1999	8	2.817 %	

(7 Publication Years value(s) outside display options.)

SDI Research Years



SDI - Research citations



SDI Research in NL (examples)

■ Understanding the Phenomena

- Spatial data sharing (PhD Omran)
- Policy and organisation (PhD van Loenen)
- Narratives for SDI (PhD Koerten)
- Cooperation (PhD Castelein (on going))

■ Assessment

- Clearinghouse assessment (PhD Cromptvoets)
- Multi view assessment (PhD Grus)
- Budget (PhD Lance)

Research discussion

- What are the main challenges for SDI research?

Reflection on SDI research

- SDI research is difficult due too:
 - The object is not crisp and dynamic
 - Diversity of methods
 - Research base is limited
 - What is really unique in SDI?
- Experience with MSc thesis

Main aspects until now

- Technical aspects and
- Try to understand the phenomena
 - Models and CAS
 - Assessment

Future line

- The functioning of SDI as an integrated social technical system.
- The Use of SDI in society

Thank you for your attention



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