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Session: Governance & Planning

Chair: Bas Kok
Director Knowledge Centre Open GEO Data,
Delft University of Technology
Governance & Planning

- Optimal relationship between NSDI community and Spatial Planning communities.
- Governance acts as a catalyst.
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Governance

NSDI Development

Spatial Planning Community use
Many Definitions GOVERNANCE

"DEFINITIONS are changing all the time”
(Prof Katrien Termeer)

- **First Generation Governance**
  - Top down approach

- **Second generation governance**
  - More room for negotiation by society

- **Third generation governance**
  - Government works in full interaction with communities
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Governance

NSDI Development

Spatial Planning Community use
Development of an SDI

Extent of cooperation.
Information need.

Stand alone
Exchange/standardisation
Intermediary
Network

Time
## Development of an SDI

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Stand alone</th>
<th>Exchange</th>
<th>Intermediary</th>
<th>Network</th>
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</thead>
<tbody>
<tr>
<td><strong>Vision</strong></td>
<td>Focus on individual organisation</td>
<td>Developed with all stakeholders</td>
<td>Implementation</td>
<td>Commonly shared, and frequently reviewed</td>
</tr>
<tr>
<td><strong>Leadership</strong></td>
<td>Focus on individual organisation</td>
<td>Questioned</td>
<td>Accepted</td>
<td>Respected by all stakeholders</td>
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<tr>
<td><strong>Communication</strong></td>
<td>Focus on individual organisation</td>
<td>Open between public parties</td>
<td>Open between all stakeholders</td>
<td>Open and interactive between all</td>
</tr>
<tr>
<td><strong>Self-organising ability</strong></td>
<td>Passive problem recognition</td>
<td>Neutral problem recognition</td>
<td>Actively helping to solve identified problems</td>
<td>Actively working on innovation</td>
</tr>
</tbody>
</table>
Infrastructure framework (1992)

Administrative
- population
- cadastre
- enterprise
- buildings

Link
- address

Geometric
- 1:10.000
- 1:1000/2000
  topographic set
Authentic registrations

- One place for the information.
- One authority is legally responsible.
- Everybody has to use this information.
- First registrations of geo-information formalized by law.
GEO information hub in eGovernment

- Key register cadastre
- Key register topography
- Key register buildings
- Key register addresses

(Possible) future key registers:
- Large scale base map
- Sub-soil information
- Valuation information
- ...
- ...

TU Delft
Dutch approach

Late 1980s
- SDI infrastructure vision developed by public agencies.
- Key vision was information exchange between 8 core registrations.

1993
- Vision approved by Council of Ministers and Parliament.
- Public platform established responsible for standard definition and implementation.
- Quality standards for collecting, maintenance and updating developed and implemented.

1997
- SDI adopted in E government programs in 1997.

2000
- Legal status core registrations as Authentic Registers till 2015.

2004
- SDI innovation 40 million EURO program Space for Geo Information launched.

2007
- Policy Council established.
- Platform established to improve the access to core data in NL.

2009
- INSPIRE portal launched in 2009.
Spatial Planning

Economic Planning
Public sector
Land use
Urban & rural
Transport
Environmental
Spatial planning authority initiatives related to NSDI

Characteristics Dutch spatial planning system
- Very strict spatial planning regime.
- Many protected areas such as forest regions, rural conservation areas, wetlands, etc.
- Many building restrictions.
Holland’s Green area “Groene Hart”
Central Green Area “Groene Hart”

• Mid 1990s: Minister wants protection of Green Heart.
• Minister asks: “How much city space is available for urban development instead of in the Green Central area”?
• Attempts to calculate available space prove difficult.
• Geo spatial experts in Ministry start digitalization project.
• Development composing Digital Spatial plans started.
Spatial Planning community initiatives related to NSDI

Project Exchanging Spatial Plans launched (DURP programme).

**Impact: acceleration of digitalization process**

- Growing cooperation between architects, designers, water boards to use digitalized spatial developments plans.

- Growing need by municipalities and provinces to exchange the digital plans for getting the legal approvals of the plans.


- Trend towards government transparency to citizens, and stimulating participative democracy.
Spatial Planning community initiatives related to NSDI

Project Exchanging Spatial Plans launched (DURP programme).

**Results:**
- IMRO standards developed and implemented for spatial planning.
- Spatial plans digital available for exchange among stakeholders.
- IMRO standards semantically integrated into Dutch NSDI.
- Spatial Planning Act 2008: legal obligation to use IMRO standards for all spatial plans (2010).
- Portal launched [http://www.ruimtelijkeplannen.nl](http://www.ruimtelijkeplannen.nl)
www.ruimtelijkeplannen.nl
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NSDI Development

Spatial Planning Community use

NSDI standards
Key Registers

Introduction
IMRO standards
Points for Consideration

- Strong, enthusiastic, visionary, communicative project leader in the Geo spatial planning sector was one of the basic elements for success. Initiative of the Dutch Spatial Planning Community.

- DURP program executed in close cooperation with all the spatial planning agency stakeholders but also in close cooperation with the NSDI community.

- IMRO standards obligatory for new spatial plans (according to Spatial Planning Act 2008).

- The impact is that high quality, accurate and timely available NSDI Key Register data are used for all national spatial planning processes.

- The third generation Governance model is excellent tool effective Dutch NSDI and Spatial Planning system.
...and now on to the first presenter..