

The Development of NSDI - How to Start? The View on Number of Challenges and Solutions

Andre Kwitowski (Netherlands)

Key words: e-Governance; Geoinformation/GI; GSDI; NSDI, Data Sharing, Challenges, Solutions

SUMMARY

The Paper discuss the possible strategy regarding the development and/or improvement of NSDI and related to it challenges.

It starts with the need for an efficient and successful spatial data sharing model within the overall e-government concept and raises the question “How to do it with help of NSDI?” referring to EU INSPIRE Directive.

Then the conceptual model for sharing and integration of data via NSDI and differences to e-Government is given.

After this introduction, the paper discusses the main NSDI challenges related to:

- Data and integration of data - indicating the 4 strategic principles for data integration
- Systems and connectivity challenges - discussing the best key thoughts for it
- NSDI Governance importance - presenting a number of principles like Cooperation, Commitment, Ownership, Internal and External acceptance, Strategic & Business planning
- NSDI Technical concept - The possible best contents/components concept reading Data, Maps, Metadata, Discovery, View, download & Sharing Service

The Development of NSDI - How to Start? The View on Number of Challenges and Solutions (10970)
Andre Kwitowski (Netherlands)

FIG e-Working Week 2021
Smart Surveyors for Land and Water Management - Challenges in a New Reality
Virtually in the Netherlands, 21–25 June 2021

- Difference between Data Exchange and Data Sharing – a crucial misunderstanding of this difference, as the biggest mental barrier for a successful NSDI acceptance by the spatial data stakeholders.

After that, the CFS's for the Services are discussed, followed by the Key tasks and necessary Steps to be taken are highlighted.

On the end, the examples of cost saving from the Netherlands, demonstrating the need for the spatial data collection and maintenance doing it via NSDI are given.

The paper closes with the statement to go always for Win – Win approach in the “Bridging the Data Islands”.

The Development of NSDI - How to Start? The View on Number of Challenges and Solutions (10970)
Andre Kwitowski (Netherlands)

FIG e-Working Week 2021
Smart Surveyors for Land and Water Management - Challenges in a New Reality
Virtually in the Netherlands, 21–25 June 2021