The Development of NSDI- How to Start? the View on Number of Challenges.

Andre Kwitowski (Netherlands)

SUMMARY

The development of NSDI - How to start? The view on number of challenges and solutions.

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 efficient and successful spatial data sharing within (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 with e-Government is given.

After this introduction, the paper discusses the main NSDI challenges and provides some recommendations related to:

- Data and integration of data - indicating the 4 strategic principles for data integration,

- (ICT) Systems and connectivity challenges – discussing also the key thoughts for it,

- NSDI Governance importance - presenting a number of principles for it, like: Cooperation, Commitment, Ownership, Internal and External acceptance, Strategic & Business planning,

- Also, a hidden fear of losing the ownership of data, as observed mainly on the side of data Producers, caused by the crucial misunderstanding of the difference between Data Exchange and Data Sharing, when sharing/linking the data between various stakeholders occurs. This is usually the biggest mental barrier for successful NSDI acceptance and its

The Development of NSDI- How to Start? the View on Number of Challenges. (10775)
Andre Kwitowski (Netherlands)

FIG Working Week 2020
Smart surveyors for land and water management
Amsterdam, the Netherlands, 10–14 May 2020

implementation.

- NSDI Technical concept - The possible best contents/components like Data, Maps, Metadata, Discovery, View, Download & Sharing Service.

After that, the CSF's for the NSDI Services are presented, followed by the Key Tasks and necessary Steps to be taken for development of successful NSDI.

To conclude, based on international experience the expected measurable outcomes/results of NSDI are discussed, and an example demonstrating very strongly the need for data sharing the spatial data via NSDI on a specific geographic location in the Netherlands is given.

The paper ends with closing remark "Are you ready for Bridging the Data Islands?".