



Supporting the
democratization of data
usage

Webinar Supporting the democratization of data usage

Programme

- Short introduction (Chair: Lena Hallin-Pihlatie)
- From a Geospatial Platform towards an Interoperable Geospatial Data Ecosystem - Case Finland (Panu Muhli)
- Who uses open environmental data and for what purpose: Lessons learned from user surveys of Finnish Environment Institute's open data service (Kaisu Harju)
- The Finnish national INSPIRE geoportal: increasing the use of geospatial data for ten years and more (Sini Pöytäniemi)
- Oskari – Open and Collaborative (Timo Aarnio)
- Back to the Future of INSPIRE and OGC (Sampo Savolainen)
- Discussion

Speakers from



FROM A GEOSPATIAL PLATFORM TOWARDS AN INTEROPERABLE GEOSPATIAL DATA ECOSYSTEM - CASE FINLAND

PANU MUHLI 8TH JUNE 2020



THE ECONOMIC VALUE OF USING SPATIALLY ENABLED SERVICES

Only 20% of annual economic potential benefits of using spatial data are being realized in Finland

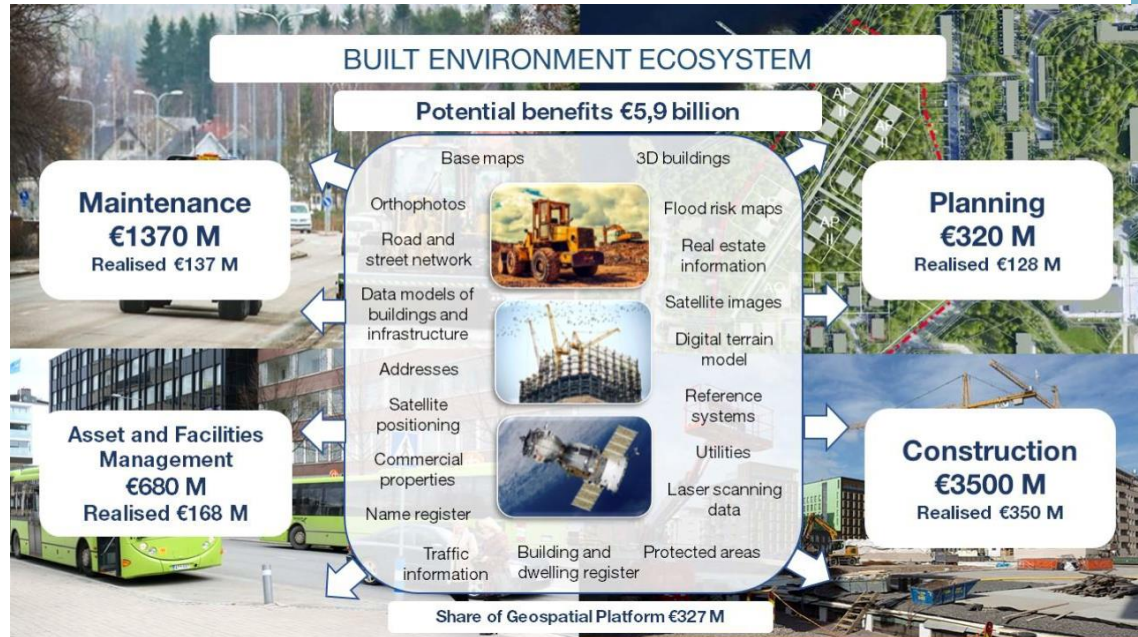
- 3 out of 13 billions EUR

Mäkelä & Raatikainen (2018) estimated the economic potential benefits of using Geospatial Platform in four ecosystems in Finland:

- Built environment, Bioeconomy, Health and social services and Traffic

550 million EUR annual benefits from Geospatial Platform from 2025

<https://www.spatineo.com/the-economic-value-of-spatially-enabled-services-in-finland-and-geospatial-platform/>



TOWARDS AN INTEROPERABLE GEOSPATIAL DATA ECOSYSTEM

mmmfi

Report on spatial
data policy



4C2018

Report on spatial data policy approved by the Parliament in 2018:

Vision: Finland has the most innovative and secure spatial data ecosystem in the world

Measures:

“Developing a common spatial data ecosystem”

“Ensuring high-quality address information”

“Enhancing knowledge and expertise on spatial data”

“Access to exact positioning for all”

“Legislative reforms to ensure progress”

“More efficient cooperation via a new cooperation body”

“Creating a common spatial data platform for security authorities”

The report in English: <http://julkaisut.valtioneuvosto.fi/handle/10024/160910>

Current actions:

INSPIRE implementation since 2008 for building a national SDI.

Geospatial Platform project and programme 2018->

KEY ELEMENTS OF THE GEOSPATIAL PLATFORM

Data harmonisation

Data schemas, quality rules, life-cycle rules, collection guidelines

Data platform services

Services for data providers and data users

Procedures and policies

Co-operative development and management, Open as default, Security and GDPR taken into account

ADDRESSING INTEROPERABILITY CHALLENGES WITH CO-OPERATION

Main data themes of the Geospatial Platform

Buildings

Addresses

Transport
Networks

Land Cover

Hydrography

Statistical
Units

Administrative
Units

Key partners:

NLS + Municipalities

NLS + Transport
Infrastructure Agency

NLS + Finnish Forest
Centre

NLS + Finnish
Environment Institute

NLS + Statistics
Finland

GEOSPATIAL PLATFORM SERVICES

Services for data users

Services for data providers



Spatial Data Search

Dataset and feature search

Table Joining Service

Joining statistical and spatial data

Quality Guard and Data Upload

For data producers who want to ensure data quality and contribute to the national database

Findiagram

Visualising topographic data statistics

OGC API Features Services

Address Lasso
Collecting building entrances and waypoints

INSPIRE Validator

National instance of the ETF-Validator

<https://beta.paikkatietoalusta.fi/palvelut>

'BETTER DECISIONS WITH GEOSPATIAL DATA' E-COURSE



[eOppiva](#) is the digital learning environment of the state of Finland, providing civil servants in over 60 state organisations e-Courses free of charge

Better decisions with geospatial data e-Course was published in spring 2019 to increase the use of geospatial information in decision-making in the public sector

- What is geospatial data and why is geospatial data important?
- How is geospatial data used in society in different sectors?
- How could the use of geospatial data make my own and my organisation's work more effective?

By now over 700 civic servants have taken the half an hour long course

OBJECTIVES 2020-2023

Decentralized data production and maintenance, quality and 3D

Well-functioning services and APIs

High quality Address data



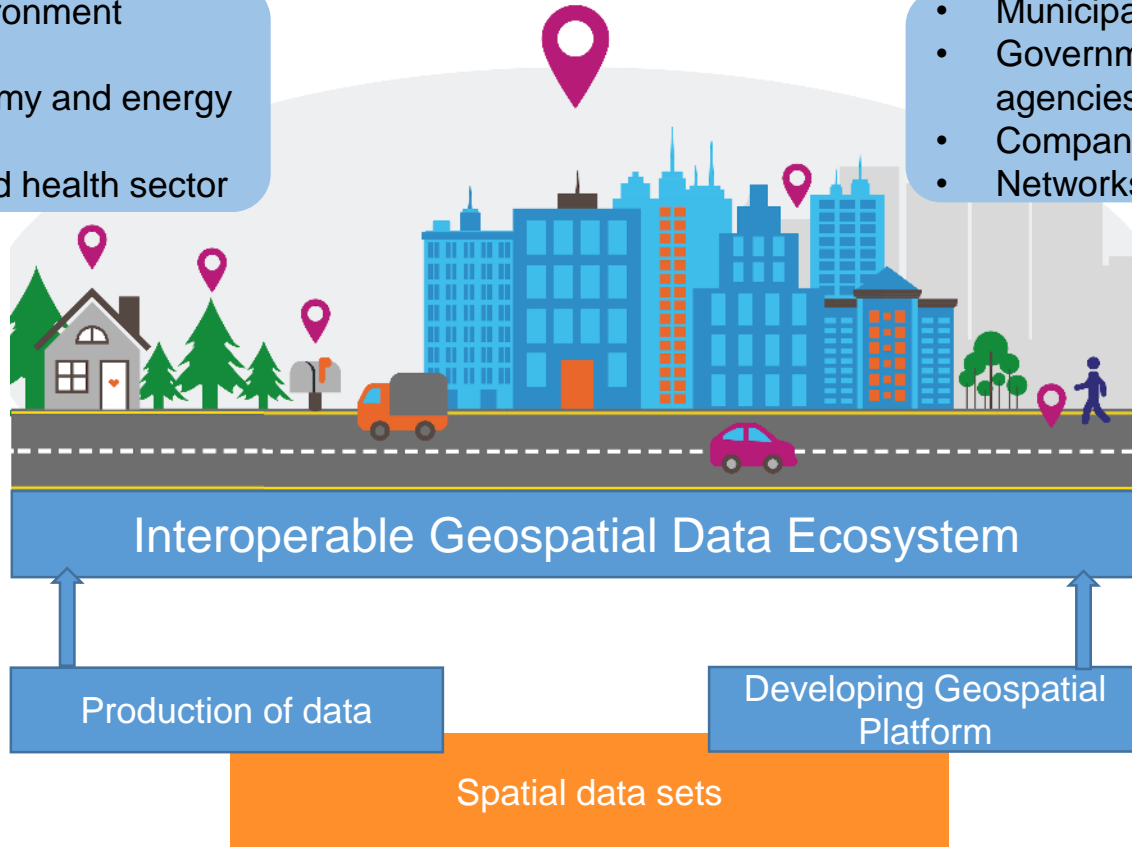
10.6.2020

BENEFICIAL ECOSYSTEMS

- Built environment
- Traffic
- Bioeconomy and energy
- Safety
- Social and health sector

CO-OPERATIVE PARTNERS

- Municipalities
- Government administration / agencies
- Companies
- Networks and hubs



For more information:

beta.paikkatietoalusta.fi/

Some services will be available in English during summer

Twitter: @PTAlusta

www.nls.fi

Recommendation to deliver data by publishing OGC API interfaces in the public administration (5/2020):

Recommendation of the National Council for Geographic Information regarding the public administration's interfaces for geospatial information

