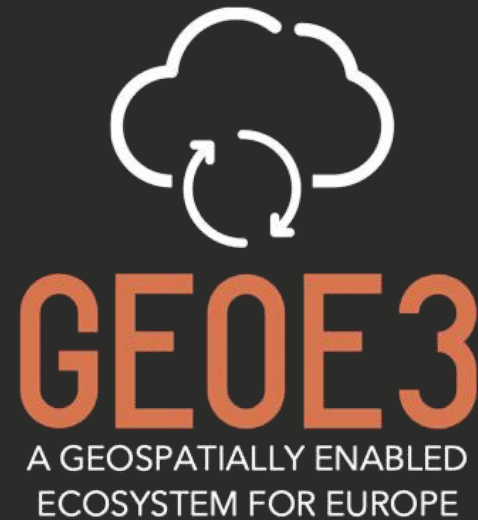




Co-financed by the Connecting Europe
Facility of the European Union

GEOE3 STATUS OF THE WORK AND LIH

ANTTI JAKOBSSON CO-ORDINATOR
2022/06/09



Better access and interoperability of Geospatial data /other data

- Usability of metadata information – e.g. dashboards
- Integration with other data (e.g. statistics, weather data)
- Accessibility through European Data Portal (DCAT.AP)

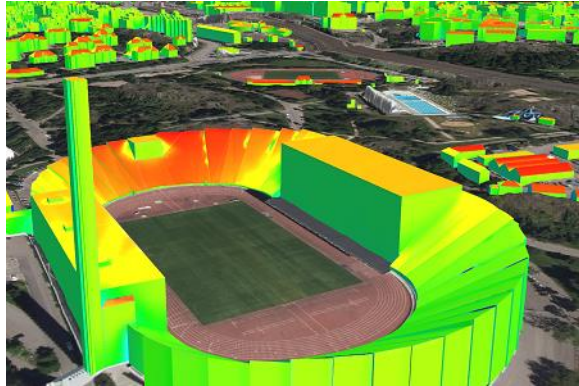
Dynamic harmonisation of geospatial data based on use cases and new APIs

- Example Cloud Platform which will demonstrate use cases and then used for national platform implementations through different APIs and tools

Build an ecosystem based on national platforms

- eLearning videos
- Innovation events
- Benefits

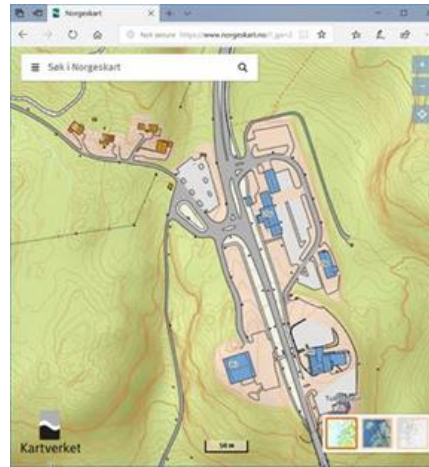
- Activity 2 has provided link to the EDP and quality dashboard work has started
- Activity 4 PoC on game accidents, climate data integration in our data integration platform
- Data integration platform available
- Business model for national implementations
- Elearning videos progressing
- Innovation events proposed (Smartcity event with Estonia)
- Benefits yet to be proven



Solar energy potential
and energy efficiency
of buildings

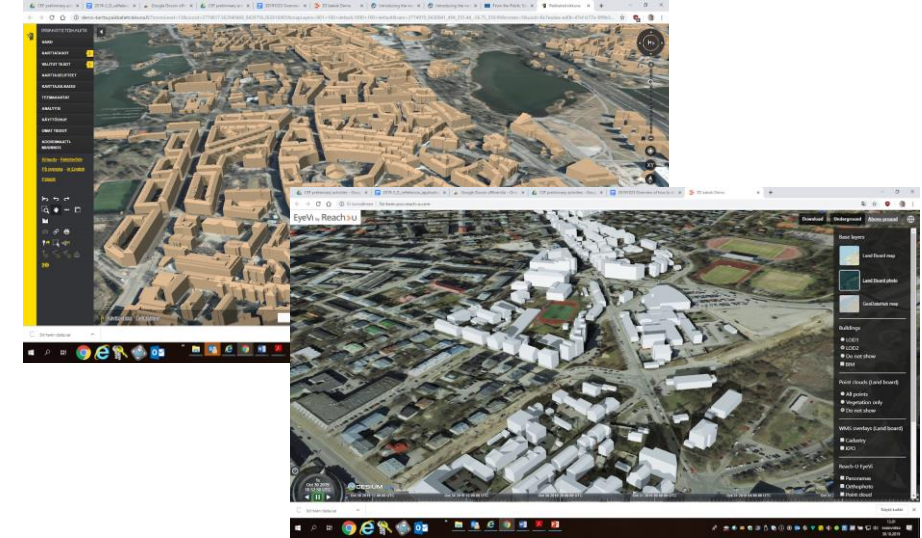
**Optimized use of
solar energy**

**Reliable, future-proof planning
of buildings**



Co-operative
Intelligent Transport
Systems and
Advancing map
enhanced driver
assistance systems
leading to automated
driving

**Cleaner and safer
transport**

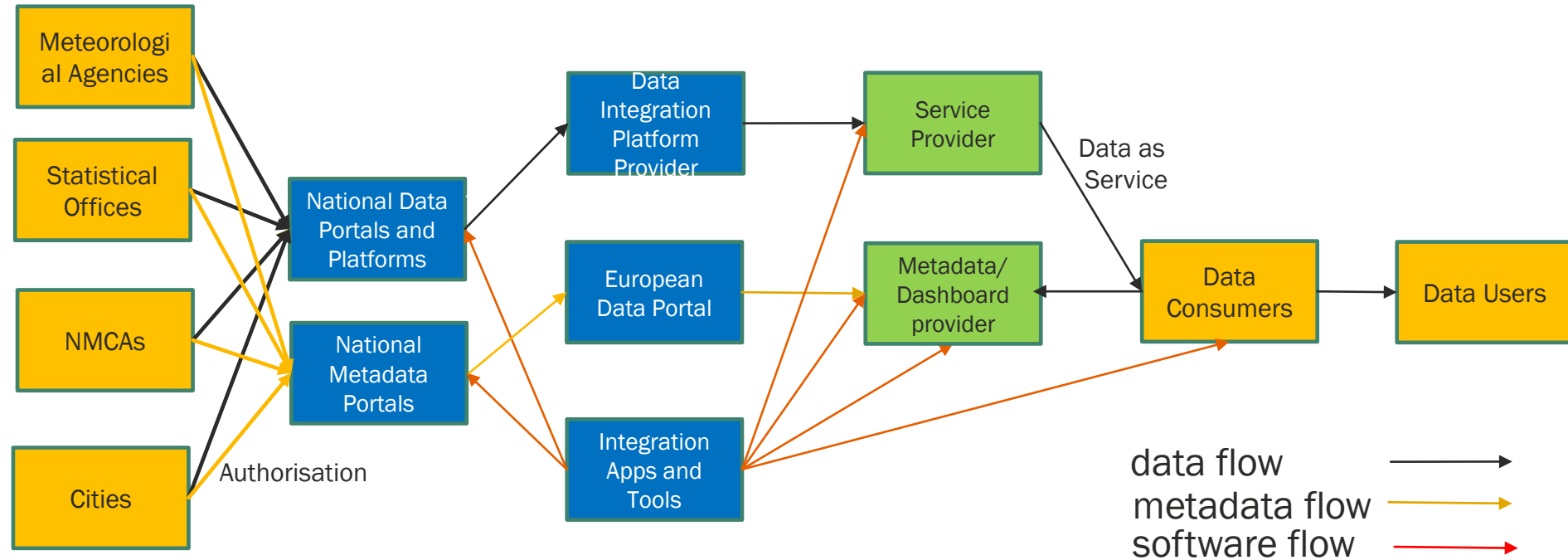


Cross border & Cross
domain Smart City
Finland Estonia

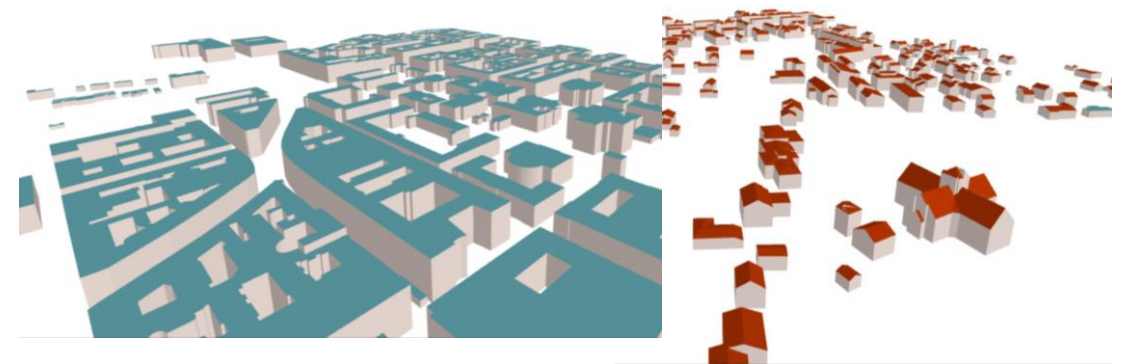
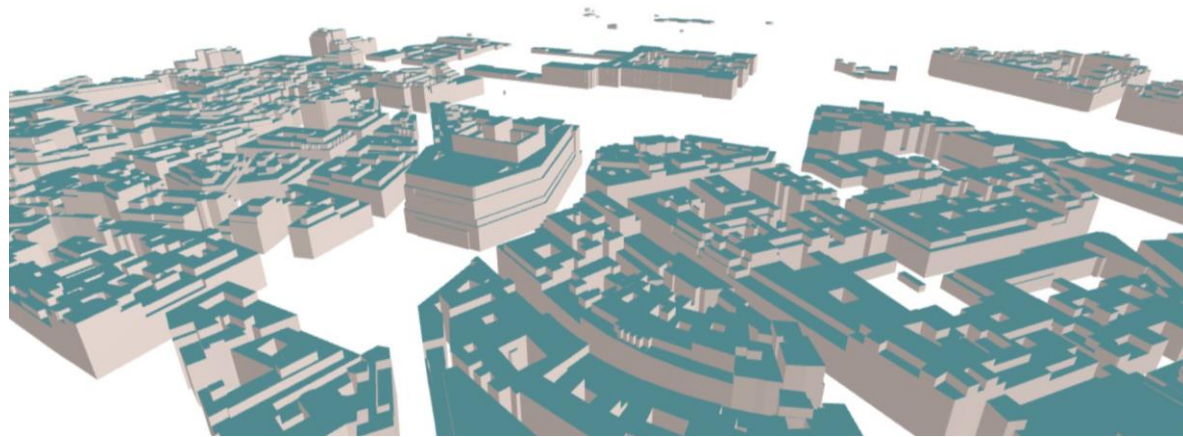
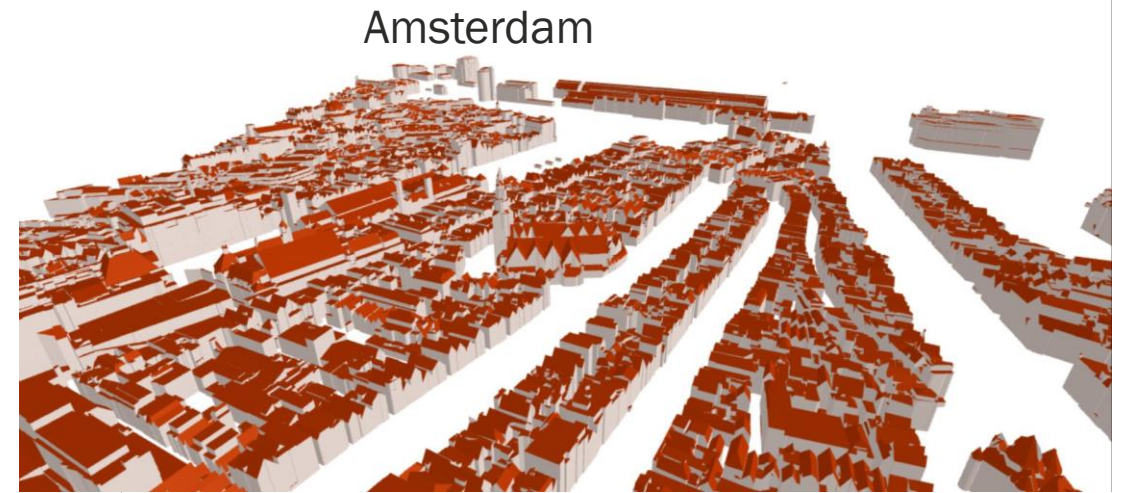
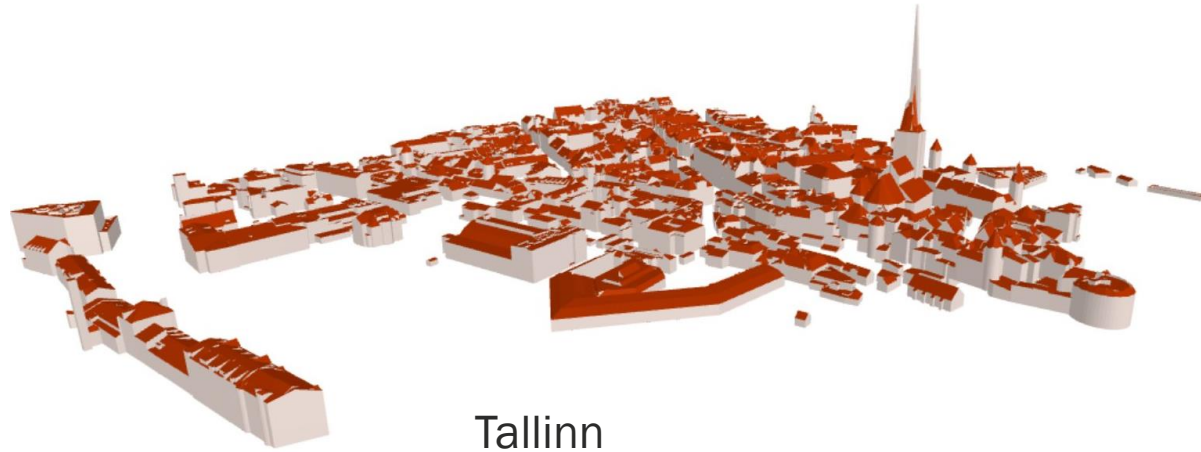
**City planning for
sustainable energy**

**Sustainable
urbanization**

GEOE3 BUSINESS MODEL



DEMO 3D BUILDINGS



- A Demonstration platform on how to build interoperability needed for the use cases
- APIs supporting the platform
- Improved metadata access through the European Data Portal
- Tools for interoperability and quality
- Creation a network based on national and regional data providers
- E-learning modules
- Proposal on Location Innovation Hub as part of the European Digital Innovation Hubs

Location Intelligence has a great potential in European Data Spaces and Digital Twins. It is estimated that impact may be €1 Billion annually at the European level

WHAT ARE THE EUROPEAN DIGITAL INNOVATION HUBS?

- EDIHs will support SMEs and mid-caps – and/or Public sector in their digital transformation
- Not-for-profit objective
- Goal: 100-200 hubs in Europe, at least one in each MS
- Focus areas AI, HPC and cybersecurity
- First call closed in February, results will be available end of May
- LIH is one of the Finnish candidates (7), 4 will be selected

13
business partners
3
regions

15
university, public sector, NGO
partners
20
associated and other partners

7
reference spaces
200
spatial data services

600
data sets
5
novel sensor data sets

100
SMEs in our
network

50 000
potential location data
services available
through European Data
Portal

55
countries involved



Built Environment



Bioeconomy



**Health &
wellbeing**



Transportation

€93.4 billion

Estimated value for the
European geospatial industry
market (by 2020)

59%

of the companies receive their
revenue from the public sector

€13 billion

Estimated potential value of
economic benefits in increasing
use of location intelligence
annually in Finland (Study 2019)

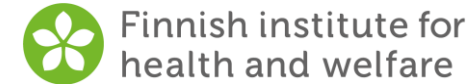
Interoperability of location and other data

Precise positioning

Next generation navigation space

- about 1 million/a (EU finance 50%/ national 30%)
- now 3 years + option 4 additional years (7 years total)
- EU mission is that EDIHs would be permanent
- Start planned beginning of 2023 (October 2022 earliest possible)
- Additional funding opportunities will be looked from Horizon/Digital Europe to progress with reference implementations, also national funding for some parts.

PARTNERS AND ASSOCIATED PARTNERS



LINKS TO THE NMCA BUSINESS

LIH will advance creation of digital twins -> general reference space needed

Advancing European location services ->

co-operation with EuroGeographics, EuroSDR and (NMCAs (Norway, Netherlands, Spain and Estonia)

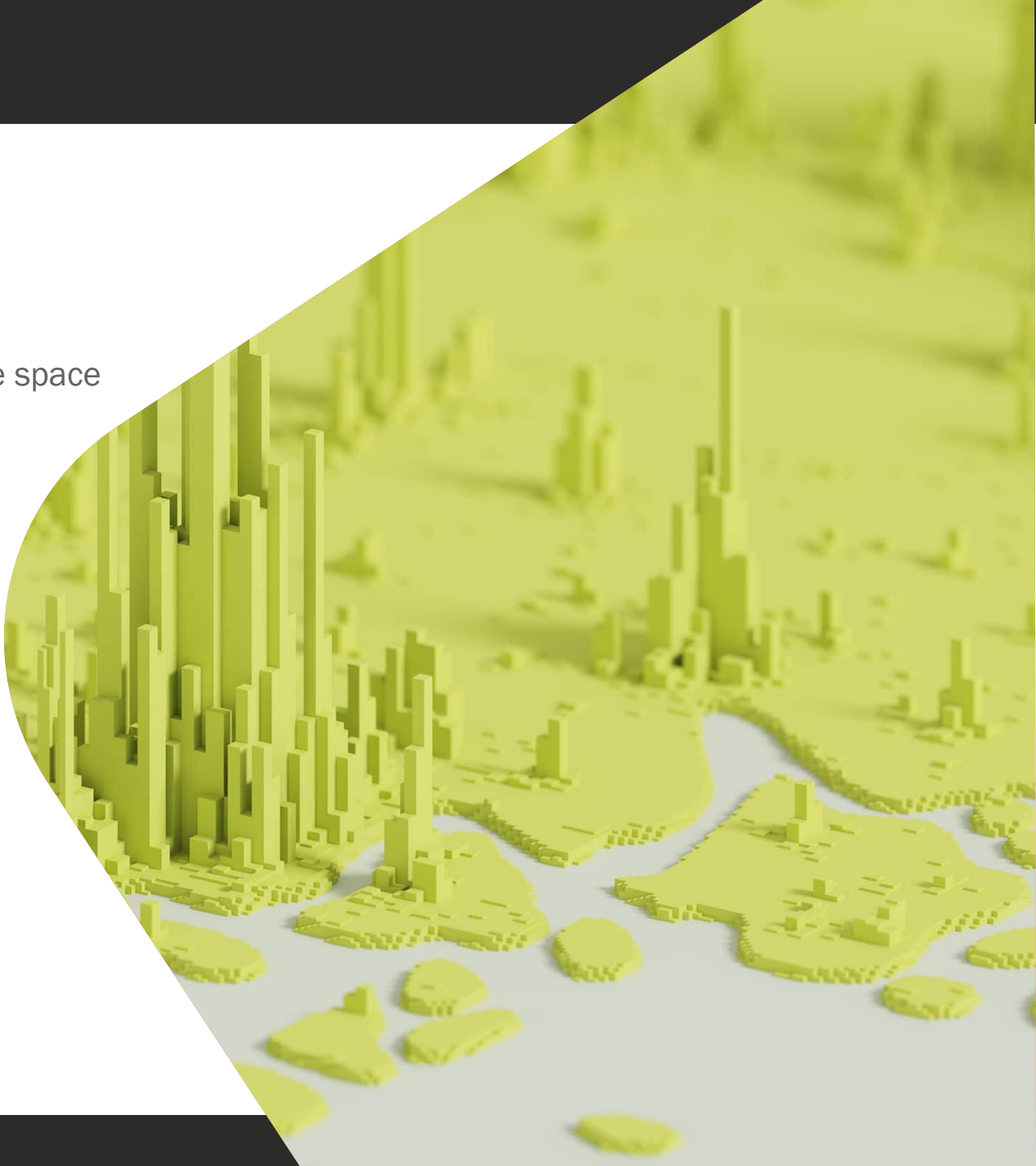
National network other main data producers + businesses

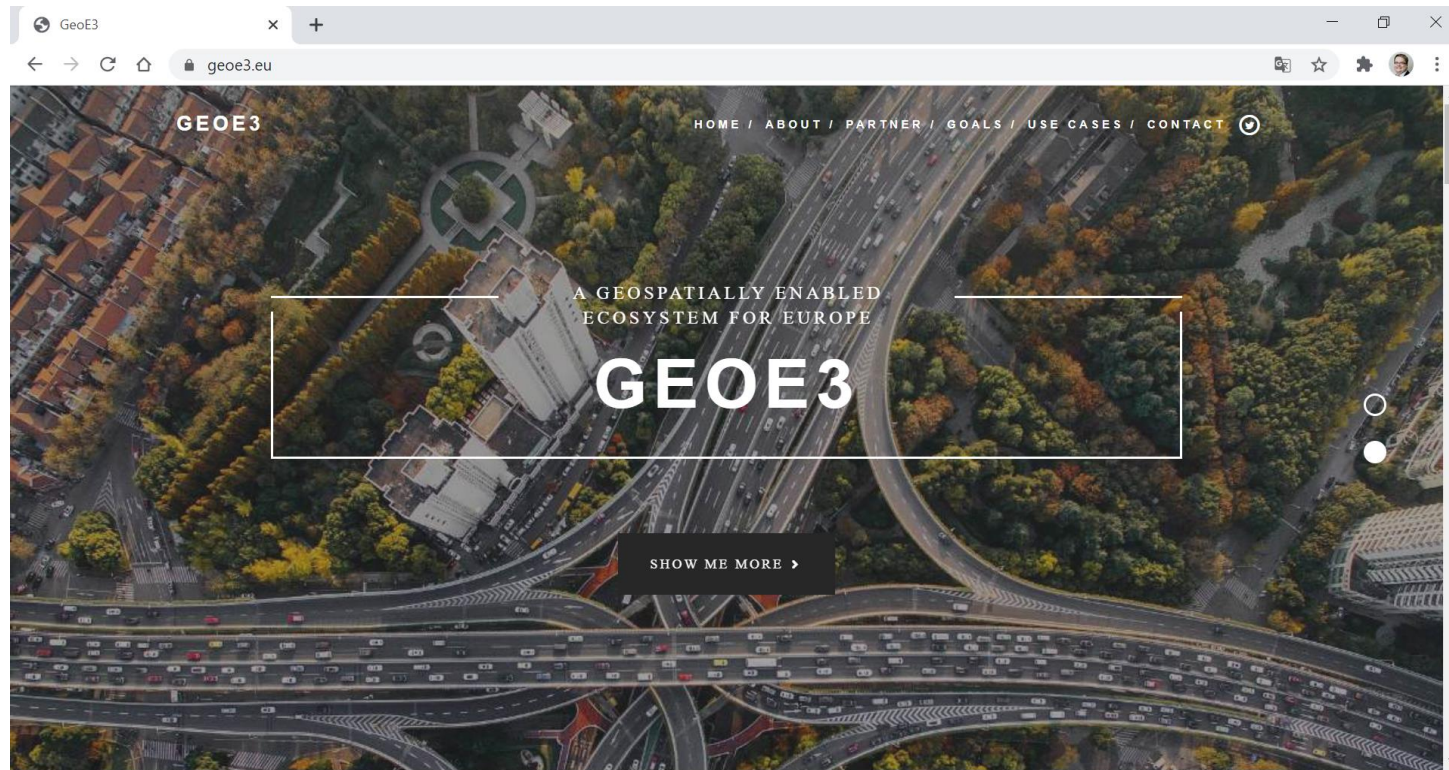
Need for security (cyber+ data protection)

Processing services and positioning services

General Reference Space + Thematic Reference Spaces (Agri/Food,Forestry, Transportation, Health&well being, Built environment)

Utilisation of GeoForum for national networks





GEOE3.EU GEOE3PLATFORM.EU