

A stylized sun graphic on the left side of the slide. It consists of a solid yellow circle at the bottom left, with several yellow dashed lines of varying lengths curving upwards and to the right from its top edge, suggesting rays of light. The background is a solid orange color, and a large white semi-circle is positioned on the right side of the slide, partially overlapping the sun's rays.

# Geospatially Enabled Ecosystem for Europe GeoE3

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# Action

- Part of Connecting Europe Facility –programme
  - Budget 2.6 million euro, funding 1.9 million euroa
  - Partners 12
    - National Land Survey of Finland
    - Finnish meteorological Institute
    - Statistics Finland
    - Spatineo (Finland)
    - Norwegian Mapping Authority
    - Cadastre, Land Registry and Mapping Agency
    - Open Geospatial Consortium Europe
    - CENTRO NACIONAL DE INFORMACIÓN GEOGRÁFICA Spain
    - Estonian Land Board
    - Information Technology Center of the Ministry of the Environment Estonia
    - Aventi Intelligent Communication Norway
    - DIRECCION GENERAL DEL CATASTRO Spain
  - Start October 2020, 3 years
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# Goals

Better access and interoperability of Geospatial data /other data

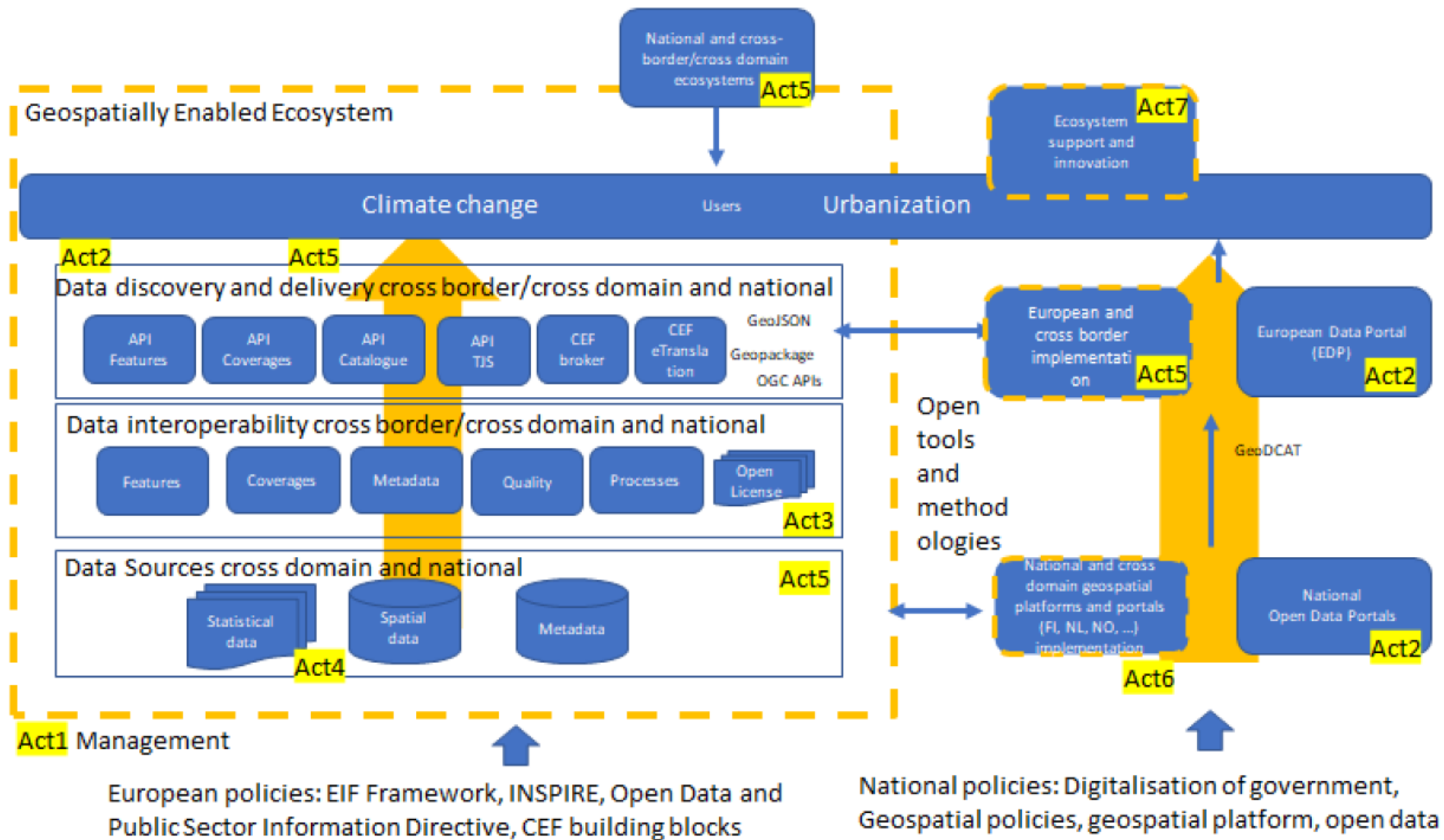
- Usability of metadata information – e.g. dashboards
- Integration with other data (e.g. statistics, weather data)
- Accessibility through European Data Portal (DCAT.AP)

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



# Solution based on use cases and national implementation (not vice versa)

## Use case 1: Solar Energy potential and energy efficiency of buildings

- Detailed 3D representation of buildings with all relevant attribute data
- Digital Elevation Model
- Climate normals and forecasts (statistical data)
- Data from Finland, Netherlands, Spain

## Use case 2: Energy consumption of Electric cars

- Road data 2D and 3D
- Weather data and traffic data
- Road signs and speed limits (Finland, Sweden and Norway)
- Norway and Spain

## Use case 3: Cross-border/Cross domain Smart City Finland/Estonia

- 3D data buildings and other relevant data
- Innovation event

# Activities

1 - Administration and  
action management  
(NLS-FI)

2 - Content Discovery  
and Evaluation  
(DISCOVER) (KAD-NL)

3 - Data interoperability  
of the Geospatially  
Enabled Ecosystem  
(IMPROVE) (KARTV-NO)

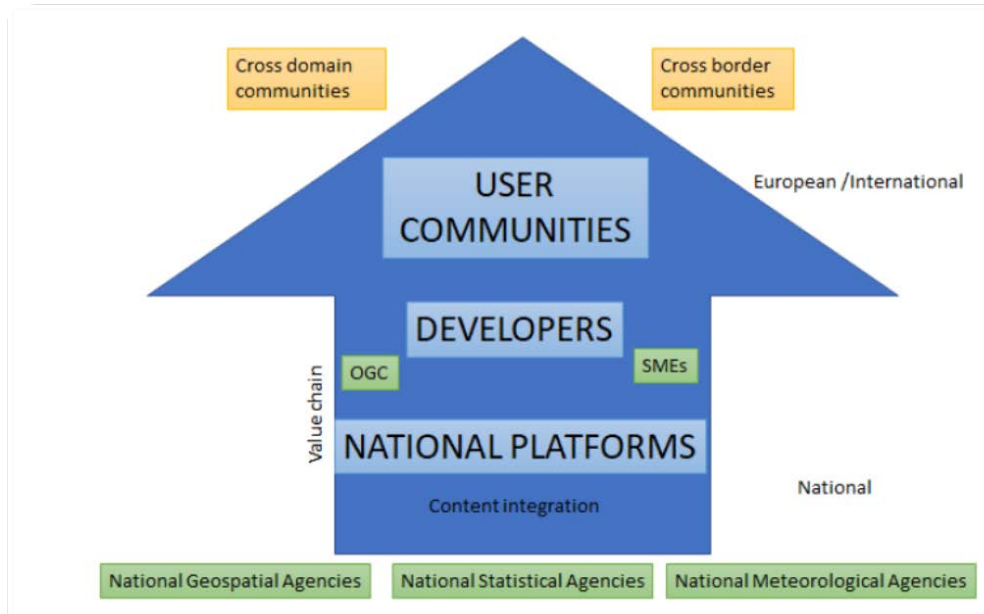
4 - Integration of tabular  
data in the Geospatially  
Enabled Ecosystem  
(DISCOVER) (NLS-FI)

5 - Service and tool  
development for the  
Geospatially Enabled  
Ecosystem (IMPROVE)  
(FMI-FI)

6 - National platform  
and cross domain spatial  
platforms and portal  
implementation (GROW)  
(NLS-FI)

7 - Support and  
innovation for the  
Geospatially Enabled  
Ecosystem (GROW)  
(OGC-BE)

# Value chain&Solutions



- Value chain:
  - National integration
  - How to harmonize
  - How is implementing (in the value chain)
- 
- Solutions:
  - New APIs (simplicity)
  - Metadata management/accessibility
  - Solutions for integration
  - Innovation
  - Learning

How GeoE3  
and national  
implemen-  
tation may  
benefit each  
other

- GeoE3 will use best national best practices identified -> these may then be used for national implementation
- How to solve the puzzle -> use this nationally
- Innovation and learning
- Implementation of use cases

