The EUROSTARS INSPIRE GIS Project

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Agenda

EUROSTARS
EUREKA

The Partners

The Project
What is EUROSTARS/EUREKA?

- Funding for international consortia with at least two SMEs
- Funding for research organisations
- Open calls every three to six months (any topic can be suggested)
  - You like a challenge? Next cut-off 14th of September
- Build new products
- Actual Funding provided through national bodies
- More information at: https://www.eurostars-eureka.eu/

1,553 Applications submitted
472 Projects funded
290 M€ Estimated public funding
30% Average success rate
## Comparison to Horizon 2020

<table>
<thead>
<tr>
<th>Criterion</th>
<th>EUROSTARS</th>
<th>Horizon 2020</th>
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<tbody>
<tr>
<td>SME Funding Rate</td>
<td>0 to 55%*</td>
<td>70%</td>
</tr>
<tr>
<td>Acceptance Rate (in 2016)</td>
<td>27%</td>
<td>7%</td>
</tr>
<tr>
<td>Administrative Overhead</td>
<td>High</td>
<td>Low</td>
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<tr>
<td>Funding for...</td>
<td>New Product Development</td>
<td>Research, Capacity Building, Outreach/Exploitation, ...</td>
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<tr>
<td>Maximum Funding</td>
<td>500k€ per country</td>
<td>Depends on Call</td>
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<td>Notes</td>
<td>Project needs to be approved on EU and all national levels</td>
<td>Single-stage/two stage calls</td>
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The Project Partners

„Github for Transformation Projects“
Complementary Competencies

- **Geosparc**: Solution and Service provider on Open Source base with 15+ years of experience
- **Fraunhofer**: Germany’s largest applied research organisation
- **Epsilon Italia**: Consulting and Training for SDI/INSPIRE implementers
- **Wetransform**: Software Engineering experts and long-time INSPIRE contributors
GeoSparc n.v.

- **SpotBooking**
  - Solution on top of spatial data services for Management of public resources/spaces

- **SleeveMonkey**
  - Data Management and Map Portal Toolkit
  - Open Source Framework
Fraunhofer Institute for Computer Graphics

- **GeoRocket**
  - Open Source Elastic Search based framework for geodata processing

- **Geodata visualisation**
  - Focus on 3D Data and Linked/Semantic Data
Epsilon Italia s.r.l. (Italia)

- **INSPIRE HelpDesk**
  - Support for INSPIRE implementers (harmonisation, publishing, metadata, training)

- **Business Network Management**
  - Experience from SMESpire
Wetransform GmbH (Germany)

- End to End INSPIRE/SDI/Open Data Platform
  - Easy to use
  - Full integration
  - Cloud Native

- INSPIRE Expertise
  - Modelling, Transformation, Publishing
The Project

Technology and Partners
Cloud Transformation

- **Goals:**
  - Transform large data sets fast
  - Transform multiple data sets in parallel
  - Perform Transformation online for datasets
Cloud Download Services

- Implement a serverless WFS
- No fixed hosting costs
  - Exception: ElasticSearch instance
- Easy scalability
- Very low maintenance effort
Research: Structured Model Mapping

– **Goal:** Focus on one alignment cell and list immediate context at a time
– Task-driven process
– Touch first (hale on a phone 😊)

– **Coming 2018**
Research: Linked Maps

- **Goal:** Provide an user experience that matches linked spatial data structures and provides added value to end users
- **Coming in hale connect 2.0.0**
Research: Direct Instance Manipulation Mapping

- **Goal:** Define the transformation using objects, not abstractions
- Schemas uses „behind the scenes“
- One main view – the map
- Task-driven process
- Touch first

- **Coming ...**
The Pilots

Italy and Belgium
Pilot: Belgium (DOV)

- Explore all available DOV data
  - Minerals explorer
  - Soil explorer
- Personalised page for advanced users
  - E.g. partners, drilling companies
Pilot: Italy (ISPRA Rome)

- INSPIRE harmonisation of PS national dataset(s)
- CDDA (Common Database on Designated Areas) e-reporting «Linked Approach»
Questions? Feedback?
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