



PUBLICAMUNDI
SCALABLE
REUSABLE
OPEN
GEOSPATIAL
DATA

Spiros Athanasiou

PublicaMundi Overview

Welcome to PublicaMundi!

- **PublicaMundi**... What does it mean?
- **Imago Mundi**
 - *'Image of the World'*, Babylonian world map
 - **Maps**, created by cartographers and geographers
- **PublicaMundi**
 - *'Image of the World'*, but
 - Based on **open geospatial data**
 - **Maps**, created by **open knowledge**



Official ID

- **FP7 STReP Project**

- Full title: **Scalable, reusable open geospatial data**
- Objective: **ICT-2013.4.3 SME Initiative on Data Analytics**
- Duration: (24 months) **11/2013-10/2015**
- Grant Agreement: **609608**



Consortium



IMIS / Athena RC (Coordinator)

Research Center (GR) – Data Economy (open, big, linked)



rasdaman

SME (DE) – Big Geospatial Data



GeoLabs

SME (FR) – Processing Services



GET

SME (GR) – Spatial Data Infrastructures



PublicaMundi aims to make geospatial data easier to **publish, view, and reuse**



Experiences and Problems

- Since 2010 we support the public sector, the private sector, and the open data community
- **Reoccurring practical problems** in open geospatial data reuse
 - **Data formats/CRS** (reuse? query?)
 - **Web maps** (query? analyze?)
 - **Interlink** (combine?)
 - **Translations** (metadata, data)
 - **Publishing** (labor intensive)
 - **OGC** (not for all)

Undermine the value and potential uses of open geospatial data...



Data Publishers

- *Minimize effort* to publish open geospatial data, providing a complete publishing workflow
 - Simple **metadata** creation/editing/update
 - **Vector** and **Raster** data as first class citizens
 - Support for (almost) **all** geospatial data formats
 - **Reuse INSPIRE SDIs** (metadata, data, services)
 - Automatic **maps**
 - **Automatic INSPIRE** support
 - **And more!!** (*interlinking, multi-lingual, scalable*)



Developers

- *Minimize effort to reuse* open geospatial data, and build **value added services**
 - **Easy** data discovery
 - Automatic **Data APIs**
 - Automatic **Mapping APIs**
 - Support for **spatial queries**: from **simple** filter to **complex** raster analysis
 - Highly scalable



Building blocks

OPEN SOURCE



PublicaMundi is based on and extends great open source software for geospatial data management. Rasdaman, ZOO Project, GeoServer, CKAN, OpenLayers, PostGIS are among the many we will focus on. Feel free to join in and lend a hand!

OPEN DATA



Open data is one of the pillars of EUs data economy, an enabler for better governance and financial growth. Our goal is to make geospatial data first-class citizens in the data economy; easier to publish, discover and use to build value added services.

OPEN KNOWLEDGE



All deliverables, software, publications, and data from **PublicaMundi** are offered with an open knowledge license. We believe this will enable the uptake of our work from young SMEs, researchers, and the community.





PUBLICAMUNDI
SCALABLE
REUSABLE
OPEN
GEOSPATIAL
DATA

Spiros Athanasiou

Break out Sessions – Intro

Break Out Session?

- We'll split in two teams, **Data Publishers** and **Developers**
 - Each team will focus on different aspects of PublicaMundi
 - Feel free to interrupt, ask questions, give us your critical and honest review; we need it!
- We will meet again in 90min to re-cap, have a plenary discussions and arrange our next meeting!



Team Focus

Data Publishers

- Overview and tutorials on data publishing
- Also with your own data!
- Create/edit metadata
- Create/reuse INSPIRE metadata
- Publisher and admin

Developers

- Data API
- Mapping API
- OGC Services
- Showcase apps



Contact us



PUBLICA MUNDI

www.publicamundi.eu

