GET SDI PORTAL: DELIVERING INSPIRE THROUGH OPEN SOURCE TECHNOLOGY

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Who we are

- Greek SME
- Founded in 2006
- Geo-ICT/Spatial IT
- INSPIRE / SDIs
- Geospatial Systems Design & Integration
- Vertical solutions
- Training
- Consulting
- Open Source
- Open Data
Research and Technological Development

Aquanet: City Water Management Systems and Water Distribution Network Monitoring
- Supported by GSRT – approved and started in July 2013
- GET’s contribution: AquaNet GIS Application Software
- http://aquanet.tuc.gr/

Publica Mundi: Scalable and Reusable Open Geospatial Data
- Supported by the European Commission – approved and started in Nov. 2013
- GET’s contribution: architecture and integration, geospatial web mapping and processing applications, dissemination and exploitation
- http://publicamundi.imis.athena-innovation.gr/
INSPIRE SOLUTIONS

- Early adaptors of Directive’s provisions
- Consultancy and implementation services since 2008
- Based on **FOSS4G** (& proprietary) technology
FOSS4G Technology
INSPIRE Principles

- INSPIRE has reached maturity
- Still same principles governing INSPIRE; among them: geographic information should be
  - readily and transparently available and
  - easily discoverable,
  - facilitating usage within a certain domain.
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GET SDI Portal

What is GET SDI Portal

- Comprehensive Web Mapping Platform
- Free and Open Source Project

How it started...

- Delivered for RAE in ver. 1.0 (2011)
- Provisions of Law No.3882/2010 & INSPIRE
- Client app for viewing and searching
After 3 years of development...

- complete Geoportal solution
- need for access to data and metadata
- intuitive and transparent way
- exploiting the benefits of standards’ adoption
Support for:

- **View Services** (WMS/WMTS)
- **Download Services** (WFS/WFS-T)
- **Discovery Services** (CSW)
- KML
- Atom
- GeoRSS
- WMC
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Key Features

- Data Visualization/Query/Selection/Download
- Federated Metadata Catalogue Search
- Network Service and Layer Management
- Navigation and Measurement tools
- Advanced styling
- Advanced CRS handling
- 3D View (Google Earth)
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Main s/w components

- PHP (server side)
- OpenLayers
- Proj4js
- GeoExt
- ExtJS
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Makes it special...

- ‘Ready to Deploy’ (in 5’)
- Modular
- Configurable
- Expandable
  - Check integration with CKAN opendatagortynia.gr
- Free & Open Source
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Can be used...

– INSPIRE Geoportals
– Publish/Offer data
– GET data
– Edit data (…)
– Ad hoc solutions
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It is already used...

- the Greek RAE,
- ten (10) Municipalities in Greece,
- the Organization for Urban Plan and Environmental Protection of Athens
- the Military Geographical Institute of Ecuador,
- companies in Ghana & UK
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Installation base
- the Forest Resource Assessment Project in Nepal,
- the Academia

Examples
- http://www.rae.gr/geo/
- http://opendatagortynia.gr
- http://gis.organismosathinas.gr/
- http://gis.opendatacorfu.gr/
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Project joined

- GitHub (2011)
- JoinUP (2012)
- Reusable INSPIRE Reference Platform (ARE³NA) (2013)
- Transifex (2014)
- smeSPIRE challenger (2014)
More to come soon...

- Editing ready for release
- Advanced Printing
- Transformation - WPS Client
- Mobile (?)
Thank you for your attention

https://github.com/GeospatialEnablingTechnologies(GET-SDI-Portal)

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