AMFM Conference 23th – 24th September



www.plan4all.eu

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Co-funded by the Community programme eContentplus



eContentplus



The Plan4all is eContentplus project.



(Best Practice Network)

A multiannual **Community programme** to make digital content in Europe more accessible, usable and exploitable.

More at:

http://ec.europa.eu/information_society/activities/econtentplus/index_en.htm

Plan4all



START: May 2009

DURATION: 30 months

END: October 2011

The harmonisation of spatial planning data according to the INSPIRE Directive based on the existing best practices in EU regions and municipalities and the results of current research projects.

INSPIRE



Infrastructure for Spatial Information in the European Community



http://inspire.jrc.it

INSPIRE PRINCIPLES Than 4 a 11

- 1. Data should be collected once and maintained at the level where this can be done most effectively.
- 2. Combine seamlessly spatial data from different sources across the EU and share it between many users and applications.
- 3. Spatial data should be collected at one level of government and shared between all levels of government
- 4. Spatial data needed for good governance should be available on conditions that are not

INSPIRE SPATIAL DATA

THEMES

Annex I

- •Coordinate reference system
- Geographical grid systems
- Geographical names
- Administrative units
- Addresses
- •Cadastra arcels
- Transport n works
- •Hydro raphy
- Protected sites
- •Annex II
- ممنئون بملاكم
- Land cover
- Ortnoimagery
- Geology

Annex III

- Statistical units
- Buildings
- <u>، ۵</u>
- Land use
- •Human nearm and safety
- Utility and Government services
- *Lourenmental manufacing togilities
- Production and industrial facilities
- Agricultural and aquaculture facilities
- PANHATIAN AISTINITIAN APMAARANV
- Area management/restriction/regulation zones and reporting units
- Natural risk zones
- **-**Aнноѕрненс сонашонѕ
- Meteorological geographical features
- Oceanographic geographical features
- Sea regions
- Bio-geographical regions
- Habitats and biotopes
- Species distribution
- Energy resources
- Mineral resources

Plan4all Consortium Plan4 all

Commercial companies
Research institutes
Municipalities
Universities
Authorities
Regions

Data providers

Management team

Validation partners

Dissemination partners

Technological providers

Research and standardisation partners

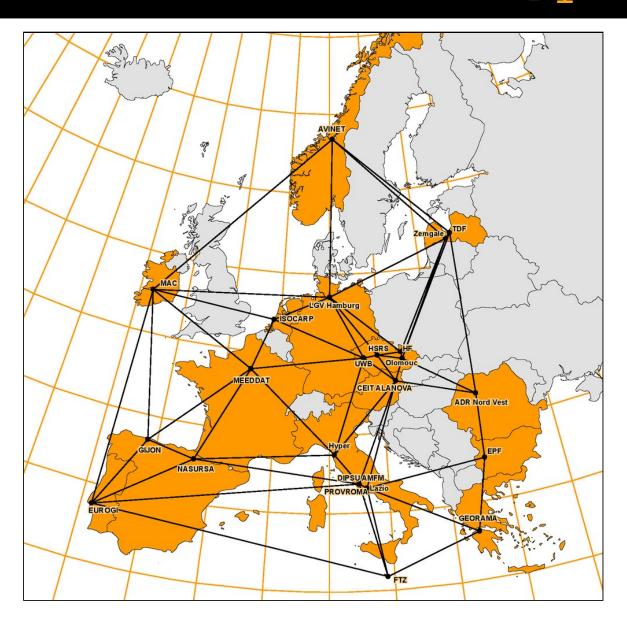
Plan4all Consortium Plan4 a 11

Coordinator: University of West Bohemia in Pilsen

- (GZ)ISOCARP
- (CZ) Statutarni mesto
- Olomouc
- (**LV**) Technology Development
- Forum
- (CZ) Help service remote
- sensing s.r.o.
- (**DE**) LGV Hamburg
- (**NL**) Stichting EUROGI
- (**LV**) Bauska District Council
- (**IT**) Provincia di Roma
- (MT) Fondazzjoni Temi
- Zammit
- (**GR**) GEORAMA
- (ES) Navarra de Suelo
- Residencial S.A.
- (**IT**) Hyperborea s.c.
- (FC) AND TARMENTO DE CHON

- (AT) CEIT ALANOVA
- (**NO**) Asplan Viak Internet as
- (IT) Università degli Studi di
- Roma Tre
- (**BG**) Euro Perspectives
- Foundation
- (**RO**) ADRNord-Vest
- (**IT**) Regione Lazio
- (**CZ**) Help forest s.r.o.
- (IT) AMFM GIS ITALIA
- (FR) Ministry of Ecology,
- Enoray Sustainable
- 24 partners
- 14 EU Member
- States +
 - Norway

Plan4all Consortium Plan4all



Plan4all Objectives



- 1. Promote Plan4all and INSPIRE in countries, regions and municipalities
- 2. Design spatial planning metadata profile
- 3. Design data model for selected spatial data themes related to spatial planning
- 4. Design networking architecture for sharing data and services in spatial planning
- 5. Validate metadata profile, data models and networking architecture on local and regional level
- 6. Establish European portal for spatial planning data
- 7. Deploy data and metadata on local and regional level



Promote Plan4all and INSPIRE in countries, regions and municipalities

- Establish local forums
- Organize workshops
- Promote INSPIRE through solutions



Design spatial planning metadata profile

INSPIRE
Metadata
Profile

National rules,
laws,
regulations, ...
on how to
describe spatial

There is need to have common and profile, which will be extension of INSPIRE profile and which will support European exchange of information related to spatial planning



Design data model for selected spatial data themes related to spatial planning

- Data specifications including OML data models for for Annexes II and III are not defined yet. Plan4all will contribute to define them
- Contribution will be ensured by providing reference materials, leading a specific data theme, providing experts, testing, providing comments, ...



Design networking architecture for sharing data and services in spatial planning

- Design an architecture that will allow, with respect to current infrastructure, to discover, visualize and to share spatial data according to INSPIRE principles
- It includes transformation services, which will support off line or on the fly transformations of current data into INSPIRE model
- Design architecture for portal for spatial planning



Validate metadata profile, data models and networking architecture on local and regional level

There will be implemented tools for every project partner (data holder). This will allow to reuse their infrastructure (software, metadata and data), but also to transform existing metadata and data into INSPIRE compliant form



Establish European portal for spatial planning data

- This portal will be European gate for investors, planners, real estate business, ...
- It will allow municipalities and regions to publish their information in central place



Deploy data and metadata on local and regional level

Publishing local and regional data or transferring existing data and metadata into INSPIRE models (off line, on the fly)

Plan4all – based on



- ARMONIA Applied Multi Risk Mapping of Natural Hazards for Impact Assessment
- HUMBOLDT Harmonisation of Spatial Information in Europe
- c@r Collaboration and Rural project enables people in remote and rural Europe to fully participate in the knowledge society as citizens and as professionals.
- NaturNet Redime education and decision support model for active behaviour in sustainable development based on innovative web services and qualitative reasoning.
- eSDInet+ Network for promotion of cross border dialogue and exchange of best practices on SDI throughout Europe.
- GIS4EU system to share base cartography layers
- EURADIN European Addresses Infrastructure

Work packages



- WP1 Project management and coordination
- WP2 State of the art analysis
- WP3 Design of Plan4all metadata profile
- WP4 Plan4all data model definition
- WP5 Networking architecture
- WP6 Large scale testbed
- WP7 Content deployment
- WP8 Validation
- WP9 Dissemination, clustering, consensus building and sustainability planning

WP9Dissemination, clustering, consensus building and sustainability

WP6Large scale

WP7Content deployment

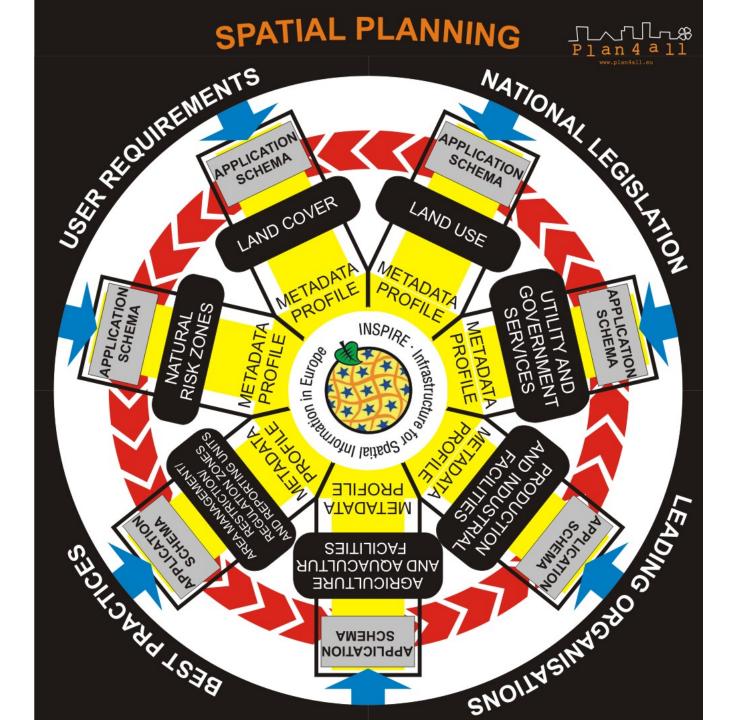
WP8 Validation

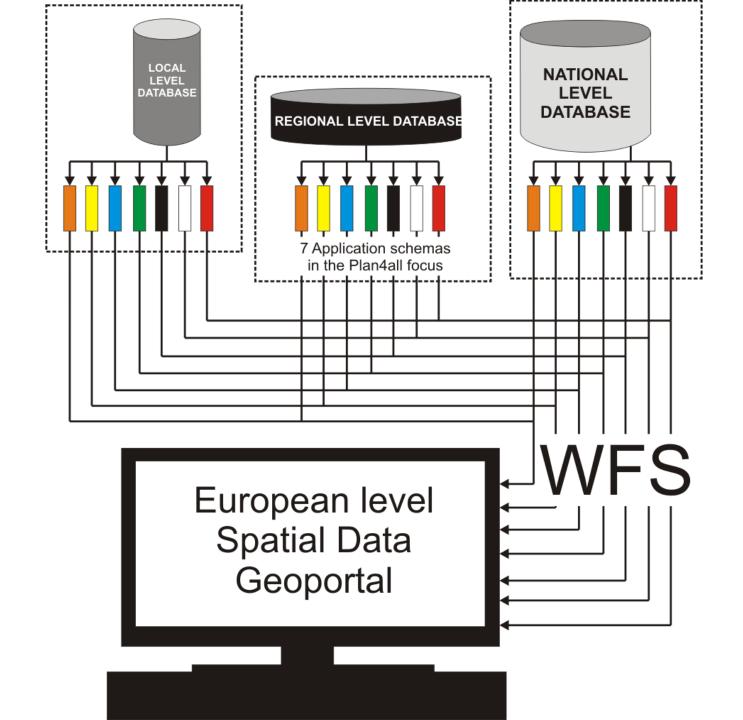
WP3Design of metadata profile

WP4
Plan4all
data model
definition

WP5 Networkin g architectur

WP2 State of the art analysis





Contact



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Thank you for you attention and all























CEIT ALANOVA Institute of Urbanism, Transport, Environment and Information Society





















Asplan Viak Internet





