

# EURADIN Project NEWSLETTER



**EURADIN**  
European Address  
Infrastructure



co-funded by the  
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eContentplus

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## First release of the EURADIN Newsletter

EURADIN partners are well aware of the relevance of a timely dissemination of the results for an EU funded project. Events and meetings are being held in various European countries; presentations are being submitted to relevant conferences; dissemination material is available for distribution; special attention is paid to the INSPIRE community. In such framework, the EURADIN Newsletter has been launched and will go on during the life of the project.

Therefore, the dissemination of EURADIN information is also exploiting this channel. We believe that an agile summary can be useful to a large audience of stakeholders in the domain of address-related information to stay in touch with the project life.

This medium is aimed to underpin the main achievements, to remind the next events, to be acquainted with the project partners etc. The structure of the newsletter will accordingly allocate space for short notes in order to:

- Review the project progress;
- Comment the results;
- Report on the past meetings;
- Promote next events;
- Raise interest about technical issues;
- Inform on the EURADIN developments in the context of INSPIRE;
- Inform about the EURADIN partners and their activities.

The newsletter will be posted on the project website <http://euradin.eu> and will be sent via email to every interested person; on the contrary, the newsletter will be printed on paper in a very limited number of copies, in order to reduce the environmental impact.

For further information, contact [euradin@eurogi.org](mailto:euradin@eurogi.org) or [euradin@navarra.es](mailto:euradin@navarra.es).

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## Focus on the Project: EURADIN- European Address Infrastructure

EURADIN – European Address Infrastructure is an EU funded project that was launched in Pamplona (ES) in June 2008 and that will run until May 2010.

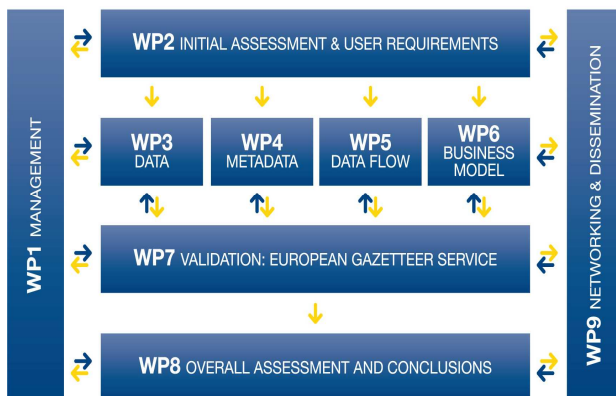
The aim of the project is to significantly contribute to harmonize the European Addresses, proposing a solution to achieve their interoperability, and thus facilitating the effective access, reuse and exploitation of that content. This in turn will promote the creation of new added value products and services across Europe.

The specific objectives of EURADIN are:

- To establish a wide European Best Practice Network of address stakeholders.
- To aggregate the critical mass of the content to ensure that valid conclusions are obtained from the project results.
- To select, synthesize and document the best practices related to address definition, registration and maintenance.
- To deliver a proposal for the harmonization of European Address (Data, Metadata, Data Flow and Business Model), based on the available INSPIRE specifications and implementing rules.
- To validate the proposed harmonization model and Address Infrastructures through the development of a Pilot European Gazetteer Service giving access to the addresses of several European countries and/or regions.

- To assess and evaluate the results of the project and the impact achieved.

To achieve its goals EURADIN has been structured in 9 Work Packages, which relate to each other as indicated in Figure 1:



EURADIN gathers 30 European partners in a consortium lead by the Government of Navarre (ES). More information is available at <http://euradin.eu/partners>.

## First results: State-of-the-Art and Best Practices on Address

Nowadays, the development of the technological frame and INSPIRE Directive involves and requires address availability at national and cross-border level according to standards. When we look at the different address infrastructures existing in Europe we observe a relevant amount of particularities and differences between their definitions, scope, characteristics, complexity, etc. The main objective of Work Package 2, "Initial Assessment & User Requirements", of EURADIN project is to carry out, in a period of six months starting in July 2008, a diagnostic of the current situation in Europe regarding the address topic together with the detection, analysis, selection and synthesis of Best Practices proposed by the partners.

A tailor made methodology, based on the definition of specific questionnaires, was created to guide, with a relatively fast performance and flexibility, the data collection process and obtain a repository of the necessary information to get the European address system State-of-the Art.

The conclusions obtained during this diagnostic show the used methodology as a very adequate and successful technique for address systems surveys, mainly because it ensures a more efficient processing and comparison of the received data and it can be used for filtering future possible Best Practices to join the Address BP Network. Other conclusions obtained are:

- The European address systems have an important level of heterogeneity due to the

different national regulations, responsible offices and development status;

- This level of heterogeneity requires better coordination between all these stakeholders in order to create a European Address Infrastructure and avoid the delays on the updating process of new buildings/addresses and decrease the difficulty to share information from several sources;
- Address systems presenting metadata information does not reach the fifty percent of the total and most of the address systems that incorporate metadata use the standard ISO 19115;
- The interoperability of the address systems should be improved to be prepared for the technological framework of the coming years.

Detailed description of the State-of-the-Art (methodology, results and conclusions) and the Best Practices are available on the WP2 Final Report, which can be downloaded on the Results section of <http://euradin.eu>

## EURADIN progress: Data and Metadata

Work carried out within EURADIN has already brought about some preliminary results, mainly in the still ongoing Work Packages 3 and 4.

WP3 involves 23 EURADIN partners and focuses on **data** and **data specification**. In August 2008 an action plan was fixed providing specific activities, some of them currently ongoing:

- Assessment of address data, data models and data requirements to fix the state of the art for partners and their additional willing on Address theme;
- Assessment of INSPIRE Directive documentation and ISO international standards.

Based on these tasks and interacting with the draft INSPIRE data specifications, WP3 is matching the existing INSPIRE framework to the address topic, delivering a technical proposal concerning a harmonised data specification on the Address theme.

19 EURADIN partners participate in WP4, which focuses on **metadata**. One of its main objectives is to define and to document the **EURADIN metadata profile** so that it is as much complete as possible. To achieve this milestone several tasks have been already concluded:

- Analysis of the state of the art regarding addresses metadata among EURADIN partners and detection of the metadata proper of addresses topic;
- Comparison and mapping of each EURADIN partner's metadata profile with the elements established by the reference documents (ISO

19115, ISO 19115 core, INSPIRE Implementing Rules on Metadata and INSPIRE Data Specification on Addresses);

- Selection of the elements candidate to be included in EURADIN profile and analysis of their definitions and characteristics (according to the reference standards).

Moreover, other tasks are still ongoing:

- Analysis of definition level of each metadata element (dataset or feature type level);
- Guidelines of the final EURADIN profile once all elements are fully defined;
- Creation of tools for the automatic extraction of metadata from data stored according to the data model and edition tools for the rest of the elements.

These tasks depend absolutely on the data model definition so that it will be carried out according to the advance of WP3 deliverables.

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### Meeting and working: Technical meetings in Turin and Bonn

On the 10-11 September 2008 Piedmont Region and CSI Piedmont hosted in Turin the first EURADIN technical meeting.

After a review of the project submitted by the Coordinator, the WP2 leader showed and analysed in a plenary session the results of the diagnostic activities. Afterwards the following steps were fixed up to the end of the WP.

Participants worked then in 4 parallel sessions, committed to the launching of the activities for WPs 3 (Data), 4 (Metadata), 5 (Data Flow) and 6 (Business Model): after short assessments of the 'state of the art' the WP leaders suggested and shared the activity planning with the partners. The results were shown in a concluding plenary session.



The working groups gathered again in Bonn (DE) on 9-10 December 2008 in a meeting where 63 EURADIN representatives participated, and that was hosted by GEObasis.nrw, the surveying and mapping agency of North-Rhine Westphalia. The

general progress of the EURADIN project was discussed in a first plenary meeting, which was followed by four parallel sessions to proceed in the work on WP3, to WP6. The results of the discussions within the WPs specific sessions were presented in a second plenary session.

The main focus of this second technical meeting was on how to use the input of the INSPIRE TWG on addresses with respect to the time frame for the EURADIN project.

In addition the EURADIN Management Committee was established in Bonn, founded by the core of WP leaders and project Coordinator. This group acts as a platform to discuss cross WP issues and other potential problems that may occur for more than one WP or for the project as a whole. The Management Committee has an additional responsibility for the EURADIN progress in relation to the follow-up of the INSPIRE developments.

At the end of the second technical meeting a clear to do list and time frame was defined to secure the success of EURADIN – the central goal for this meeting was achieved!

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### Let's meet a EURADIN partner: EUROGI

EUROGI - *European Umbrella Organisation for Geographic Information* - is an open network which gathers a diverse range of Geographic Information (GI) and Spatial Data Infrastructures (SDI) stakeholders from across Europe. The membership is based on unique national European country representative GI organisations, Corporate Members and other entities, such as national, regional and local bodies or authorities, cross border cooperation networks, Pan European organizations, universities and other not for profit stakeholders in the broadest sense.

Through its members, in particular the National Representatives, EUROGI reaches more than 6 500 organizations (e.g. government departments or state agencies, private sector companies, university departments etc) across Europe that collectively create and use GI in Europe. EUROGI's Vision is that *Geographical Information in all its aspects becomes a fully integrated component of the European knowledge-based society*. Its Mission is to *maximize the effective use of GI throughout Europe and in so doing to promote good governance, economic and social development, environmental protection and sustainability, and informed public participation*.

EUROGI holds a long-term record on bringing the addresses field into GI core matters. It is worth mentioning a survey to the National members initiated in 2004, the active participation on stakeholders' meetings, the promotion of a specialized workshop in 2006 and the

engagement towards including the subject as an INSPIRE annex 1 theme. Furthermore, EUROGI has been committed to the concept of the EURADIN project since the very beginning and even before supported the creation of an Address Forum.

Addresses are considered by EUROGI as a structural component for the development of SDI, having impacts across a wide range of fronts, from high level policy in many fields (environment, planning, transport, disaster management etc) to the day-to-day operations of innumerable organizations (retail firms, utility providers etc). Increasingly through available web facilities to which the addresses are a crucial tool, the general public is engaging directly with exploring GI. The exploitation of GI usage and related components that is occurring is both challenging and exciting. The opportunities that are being created are enormous and EUROGI is well placed to contribute to them on a European scale both now and into the future.

infrastructure. In everyday life and in an infinite number of applications (Cartography, Cadastre, postal services, health and risk management, rescue services, Navigation tools, Transportation and logistics, emergency situations management, telecommunications, tourism...), addresses are used as a common reference.

The number of IT applications is very big, and given the importance of an Addresses Infrastructure as a useful tool for public and private services, it is logical to expect the EU should have an adequate European Address Infrastructure allowing the access in a seamless and interoperable way to the existing European Addresses.

At this moment, nothing that could be considered as a European Address Infrastructure exists. The lack of harmonization regarding addresses definition, registration and access, prevents a European Addresses Infrastructure from being built, which means that addresses cannot be adequately and extensively used, shared and exploited.

## EURADIN: Inspired on INSPIRE

### INSPIRE

(<http://inspire.jrc.ec.europa.eu>) lays down general rules for the establishment of an infrastructure for spatial information in Europe, based on Spatial Data Infrastructures (SDI) created by the Member States that are made compatible and interoperable.



### Directive

Addresses are part of Annex I of INSPIRE. It is now commonly acknowledged that good address systems

constitute a very important part of a society's

**EURADIN** (European Addresses Infrastructure) aims at constituting a Best Practice Network to promote the European Addresses harmonization. The emphasis will be put in defining how access to existing address data should be made to ensure the interoperability of existing address data and working out a strategy on how to build up access services to national or regional addresses infrastructures.

The project main result will be the proposal for the European Addresses Infrastructure and the implementation, testing, and validation of a pilot European Addresses Infrastructure. The results shall be used as a reference for all European Member States to fulfil the INSPIRE recommendations with respect to addresses.

## Do not forget...

What	Where	When	More info
Member meeting of EUROGI / European Address Forum	Brussels (BE)	26 <sup>th</sup> March 2009	<a href="http://www.eurogi.org">www.eurogi.org</a>
EURADIN European Address Forum (First thematic workshop: Best Practices on Addresses)	Veldhoven (NL)	2 <sup>nd</sup> -3 <sup>rd</sup> April 2009	<a href="http://www.euradin.eu">www.euradin.eu</a>
Workshop / Geographical information and logistics	Genoa (IT)	7 <sup>th</sup> May 2009	<a href="http://www.amfm.it/default.asp">www.amfm.it/default.asp</a>
Workshop / INSPIREd Central and Eastern European Spatial Data Infrastructures – International Geospatial conference joined to ISAF conference	Prague (CZ)	12 <sup>th</sup> -13 <sup>th</sup> May 2009	<a href="http://www.isaf.cz">www.isaf.cz</a>
Tools and experience in support of implementing INSPIRE data specifications : "Experience from the testing of Address data specifications (EURADIN project)"	Rotterdam (NL)	15 <sup>th</sup> June 2009	<a href="http://www.ec-gis.org/Workshops/inspire_2009">www.ec-gis.org/Workshops/inspire_2009</a>
Lessons learnt and best practices from GI-SDI projects – II: "EURADIN project"	Rotterdam (NL)	15 <sup>th</sup> June 2009	<a href="http://www.ec-gis.org/Workshops/inspire_2009">www.ec-gis.org/Workshops/inspire_2009</a>
EURADIN Workshop at the annual Urban Data Management System Meeting (UDMS)	Ljubljana (SI)	24 <sup>th</sup> - 29 <sup>th</sup> June 2009	<a href="http://www.udms.net">www.udms.net</a>