



European Spatial Data Research

Quarterly  
News  
Bulletin  
[www.eurosd.net](http://www.eurosd.net)

EuroSDR News: 2008-2, June 2008

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**ANNOUNCEMENT:** Three new EuroSDR research projects launched in May 2008  
The 112th meeting of the EuroSDR Science committee has approved the following new projects:

**Radiometric Aspects of Digital Photogrammetric Images**  
Objectives: to improve knowledge on radiometric aspects of digital photogrammetric cameras; Review existing methods and procedures for radiometric image improvements; Compare and share operative solutions through a comparison of these techniques on a same test data set; Analyse the benefit of radiometric calibration for different applications (classification, quantitative remote sensing, change detection etc.)  
Principal: [Eija Honkavaara](#), Finland

**Mobile Mapping - Road Environment Mapping using Vehicle-based Laser Scanning**  
Objectives: to evaluate the quality, accuracy, and feasibility of developed retrieval methods for road environment mapping using vehicle-based laser scanning and digital images taken in parallel.  
Principal: [Juha Hyyppä](#), Finland

**Towards Integration of Laser Scanning and Photogrammetry**  
Objectives: to answer the questions: what kinds of registration methods are available or under development? To what extent do the registration methods differ in performance and accuracy? How do image resolution and laser scanning data density affect registration accuracy? Is it possible to achieve robust relative orientation of laser data and images in urban areas without using ground survey information?  
Principal: [Petri Rönnholm](#), Finland

**Virtual Globes**  
Objectives: state-of-the-art and establishment of a Network; implementation of an on-line survey with the target audience of experts from NMCA's and the geospatial industry; collection of facts and opinions with respect to technologies, geospatial contents, impact, challenges, opportunities for the geospatial industry etc.; analysis and compilation of a comprehensive report Investigation of Selected Core Issues; based on discussion of this report EuroSDR can decide on 1-2 core issues only to be addressed further (Phase 2, max 6 months)  
Principal: [Stephan Nebiker](#), Switzerland and [Eberhard Gülch](#), Germany

Download details of all [EuroSDR research activities](#) or visit the [EuroSDR web pages](#).

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**WORKSHOP:** From National Mapping to Spatial Data Infrastructure

Venue: Beijing, China

Dates: 3rd to 11th July 2008

You are invited to attend the EuroSDR Special Session entitled 'From national mapping to an European Spatial Data Infrastructure' at ISPRS 2008 in Beijing, China. EuroSDR will be present at ISPRS 2008 at exhibition booth No. 278 and, in addition to our Special Session, will also chair one of the three User Forums at the Congress.

The Special Session entitled '**From national mapping to an European Spatial Data Infrastructure**' (SS-8) will be realised in two sessions.

Session 1, TS-51, will take place in Conference Room 307 from 16:00-17:30 on Monday 7th July and consist of the following

presentations:

- From Local to European SDI – INSPIRING The Next Generation Of Spatial Information in Great Britain; Keith Murray, Ordnance Survey Great Britain
- IGN-NGI Belgium: quality and INSPIRE; Jean Theatre, National Geographic Institute, BELGIUM.
- TLM – the Swiss 3D Topographic Landscape Model; Liam O'Sullivan, Swiss Federal Office of Topography, SWITZERLAND.
- BKG's Contribution to the German and the European Geospatial Data Infrastructures; Dietmar Grünreich, German Federal Office of Cartography and Geodesy, GERMANY
- The Danish Way to a National Spatial Data Infrastructure; Poul Frederiksen, National Survey and Cadastre, DENMARK.

Session 2, TS-99, will take place in Convention Hall No.2C from 10:30-12:00 on Thursday 10th July and consist of the following presentations:

- Spanish Territory Observation: Sustainable And Collaborative Plan; Antonio Arozarena, IGN, SPAIN.
- Integrated and Value-added Geo-spatial Information Services in NGCC; Jie Jiang, National Geomatics Center of China, CHINA, THE PEOPLE'S REPUBLIC OF.
- Israeli Digital Photographic System Certification Program; Yuri Raizman, Survey of Israel, ISRAEL.
- HUMBOLDT Project for Data Harmonisation in the Framework of GMES and ESDI: Introduction and Early Achievements; Paolo Villa, IREA-National Research Council of Italy, ITALY.
- SDI in Two Diverse Contexts - Aceh and Australia: Differences and Similarities; Paul Harris, NGIS Australia, AUSTRALIA.

EuroSDR will also chair the third User Forum entitled '**On-demand geo-spatial data updating, integration and web-based geo-spatial information services**' from 14:00-16:00 on Wednesday 9th July.

The forum will comprise short presentations from selected speakers and a discussion on users' experiences.

EuroSDR will be present in the main technical exhibition hall at Booth No. 278. Visitors can receive detailed information on EuroSDR research projects and workshops, publications, e-learning courses, initiatives in standards and interoperability, collaboration on multiple representation and more. Countries not represented in EuroSDR can learn of our flexible membership options. For further information on EuroSDR's activities at ISPRS-2008, please contact [Kevin Mooney](#), EuroSDR Secretary-General.

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**WORKSHOP REPORT:** Norwegian Spatial Data Infrastructure

**Venue:** Hotel Bristol, Oslo , Norway

**Dates:** 14th May 2008

This public seminar was hosted by the Norwegian Mapping and Cadastre Authority and preceded the start of the 112th EuroSDR Science committee meetings. It provided a fascinating insight into the level of success of the Norwegian Spatial Data Infrastructure development.





[Research at EuroSDR](#)

Christian Heipke, Leibniz Universität Hannover. Vice-President Research, EuroSDR

[SMARTRAP, Distributed GIS for use in time of emergency](#)

Kyrre Jordbakke, Chief County Surveyor, Norwegian Mapping and Cadastre Authority

[Blom show you where...](#)

Nils Karbø, CTO, Blom ASA

[Precise Point Positioning for Airborne Applications](#)

Narve Schipper Kjørsvik, TerraTec AS, Norway

[geoPolar – “a keyhole to the northern areas”](#)

Erland Røed, Norwegian Mapping and Cadastre Authority

['Norway digital' Building a sustainable National Spatial Infrastructure using strategic Alliances as the success Criterion](#)

John Naustdal, Norwegian Mapping and Cadastre Authority

[Norwegian SDI - Implementation of New Public Services empowered by Geographical Information - some Norwegian Examples](#)

Erland Røed, Norwegian Mapping and Cadastre Authority

[Our role as the National Distribution Service of Land and Mapping Information in Norway](#)

Kristian Strønen, Norway Land Information ltd.

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**ANNOUNCEMENT:** Antonio Arozarena, IGN Spain, is appointed as EuroSDR President 2008 - 2010

Antonio Arozarena Villar, Subdirector General Adjunto Producción Cartográfica of Instituto Geográfico Nacional (IGN), Madrid, assumed the Presidency of EuroSDR, on behalf of Spain, at the 112th meetings of EuroSDR in Oslo, Norway on Friday 16th May 2008. Our picture shows Antonio delivering his introductory address to the EuroSDR members. Antonio, whose term of office will run until May 2010, succeeds Stig Jönsson of Lantmäteriet, the National Land Survey of Sweden who completed his two-year term at the Oslo meeting.



To mark the occasion, The EuroSDR Vice-President, Christian Heipke, and the Secretary-General, Kevin Mooney, accompanied Antonio to the offices of IGN in Madrid and discussed possibilities for close cooperation between IGN and EuroSDR. The discussion was hosted by the Director-General of IGN, Alberto Sereno Álvarez, and attended by a number of senior IGN directors.



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**ANNOUNCEMENT:** Ulf Sandgren becomes the new Chairman for EuroSDR Commission 4: Data Specifications  
Ulf Sandgren was appointed as Chairman of EuroSDR's Commission 4 - Data Specifications - at the 112th meetings of EuroSDR in Oslo, Norway on Friday 16th May 2008.  
Our picture shows Ulf addressing the EuroSDR members.



Ulf Sandgren has broad experience and knowledge of geoinformation from over 35 years of work within Lantmäteriet (the National Land Survey of Sweden), the Swedish Development Council for Land Information, the County Administration in Dalarna, the Ministry of Housing and Planning and the Ministry of Industry and Commerce. For the last ten years he has been working with strategic issues and international relations at Lantmäteriet's head office. He may be contacted at [ulf.sandgren@lm.se](mailto:ulf.sandgren@lm.se)

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**ANNOUNCEMENT:** Landmælingar Íslands becomes the latest EuroSDR member organisation for Iceland. Landmælingar Íslands (LMI), the [National Land Survey of Iceland](#), was formally admitted as an Ordinary Member of EuroSDR at its 112th meetings in Oslo, Norway on 16th May 2008. LMI will be represented in EuroSDR by Magnús Guðmundsson (its Managing Director) and Eydis Lindal Finnbogadóttir.

The history of the National Land Survey of Iceland can be traced back to the turn of the 20th century, when the surveying branch of the Danish General Staff began mapping the country. The National Land Survey of Iceland became an independent institute under the Ministry for Communications in 1956, and from 1990 it has been under the auspices of the Ministry for the Environment. The institute has been located at Stillholt 16-18 in Akranes since 1st January 1999 and currently has a staff of 28

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**ANNOUNCEMENT:** EuroSDR and EuroGeographics agree to increased cooperation. EuroSDR and EuroGeographics have signed a Memorandum of Understanding aimed at enabling significant cooperation on areas of common interest to both organisations. Our picture shows EuroSDR President, Stig Jönsson, and EuroGeographics Management Board member and former President, Dietmar Grünreich, signing the agreement at the 112th EuroSDR meetings in Oslo, Norway on 16th May 2008.



Both organisations have a common understanding that research and development is a basic and integrated part of Geographic Information and Spatial Data Infrastructures.

Spatial data research and transformation of research results to producers of geo-information is of vital importance for a successful implementation of the European Spatial Data Infrastructure (INSPIRE), Global Monitoring for Environment & Security (GMES), Galileo and its applications related to geo-information as well as other European initiatives.

For several years both organisations have worked together, for example, when arranging workshops and seminars on issues of common interest. By signing this agreement, both organisations state their intention to work even closer together in order to strengthen research activities and the transfer of research results of common interest while, at the same time, avoiding unnecessary duplication of work between the organisations and their members. The cooperation also includes joint communication activities destined both for professionals and policy makers.

EuroSDR's rolling research plan defines the framework within which EuroSDR research is performed. Its main purpose is to properly structure the work in the coming years, while leaving enough flexibility to be able to react to unforeseen developments. The rolling research plan is to be seen as a common platform of EuroSDR and EuroGeographics for research activities.

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**Announcement:** A new look for EuroSDR

EuroSDR has adopted a new modernised logo in order to better portray its standing as a growing, modern European organisation. Two versions of the logo will be used. The yellow-on-blue version will be used in electronic media communication, while the blue-on-white version will be used on printed material.





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**About EuroSDR:**

EuroSDR is a pan-European organisation established, as OEEPE, in 1953 in Paris, in accordance with a recommendation passed by the Council of the Organisation for European Economic Co-operation.

Eighteen countries comprise the current membership of EuroSDR. Delegates from national mapping organisations, research institutes and the private sector from the member countries devise together a rolling research plan every three years. The plan aims to address the research needs of core spatial data provision, management and delivery. It is realised through timely applied international collaborative research projects, focussed workshops and specialist taskforces.

Research results are reported widely through technical papers and a high quality 'Official Publications' series. Knowledge gained is further transferred to the user community through the EuroSDR education service based on short concentrated distance e-learning courses.

Suitable GI organisations from European countries (members of the Council of Europe) may become Members of EuroSDR. Applications for membership should be addressed to the [Secretariat](#).

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