



ISPRS WG IV/5, 4th International Workshop on Web Mapping, Geoprocessing and Services (Co-organized with ISPRS WGs II/3, II/6, II/7 & IV/II, University of Cagliari and Curtin University)

BACKGROUND AND SCOPE

The WebMGS workshop series commenced in Como in 2010 followed by subsequent workshops in Vancouver, Canada in 2011 and Xuzhou, China in 2013. This 4th event will take place at the University of Cagliari in Sardinia, Italy on 1-3 July 2015. This ISPRS WG IV/5 international workshop provides a dedicated scientific forum for researchers, professionals, government decision-makers and students to exchange and discuss current and state-of-the-art advances in web-based mapping, geoprocessing, geospatial information services and applications, particularly in dealing with big geospatial data. The workshop emphasizes a diverse range of topics related to new web-based developments of geospatial theories, technologies and solutions. Researchers will have the opportunity to share knowledge, exchange scientific ideas and results, and develop long term research collaborations.

WORKSHOP TOPICS

The theme is focussed on web and cloud based mapping, architectures, services, analytics, ontologies, geovisualisation, collaboration, technologies, semantics and virtual globes, as well as related social and organizational issues. WebMGS 2015 will focus on, but is not limited to, the following topics:

- Cloud and web-based multidimensional GIS
- Neogeography and map mashups; new cartographic theories and interfaces for web mapping
- Design, development and evaluation of web and cloud based architectures, services and applications
- Mobile and location-based search and services; adaptive, context-aware, multidimensional, augmented reality
- Web-based geovisualisation and virtual geospatial environments for dynamics phenomena
- Geospatial web semantics and ontology; intelligent web mapping/GIS services
- Web/cloud based geospatial data discovery, access and utilization
- Open source solutions and open standards/specifications
- Quality assessment of web-based geospatial information sources, processes and applications
- Development and use of virtual globes for geospatial data integration, visualization and analysis
- Web/cloud-based SDSS, PPGIS, Geo-design and collaborative environments
- Security, privacy, copyright, use policy and usability for geospatial web
- Web mapping/GIS for education
- Service chaining and web based geoprocessing workflows
- Web/cloud based geospatial database management

IMPORTANT DATES

Abstracts (Archives) due: **Jan 15, 2015**

Full papers (Annals) due: **Jan 15, 2015**

Acceptance notification: **Feb 15, 2015**

Early registration date: **April 1, 2015**

Final revised paper: **April 1, 2015**

CO-ORGANIZERS

ISPRS WG II/3: Spatial Analysis and Data Mining

ISPRS WG II/6: Geovisualization and Virtual Reality

ISPRS WG II/7: Intelligent Spatial Decision Support

ISPRS WG IV/II: Computing Optimization for Spatial Databases and Location Based Services

University of Cagliari

Curtin University





PAPER SUBMISSIONS

Prospective authors are invited to submit papers dealing with original and unpublished research on themes related to the workshop. Accepted papers will be submitted in one of two categories: *The International Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, or *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*. Authors must choose which category they would like to submit to. Full papers submitted for the Annals are assessed using a double-blind peer review process. Papers submitted for the Archives are accepted on an abstract review process, which, if accepted, are followed by a full paper. All abstracts should be written in English comprising 800-1000 words and containing sufficient details for evaluation (including the approach, results, concepts, reasons why it should be considered and why it would be interesting for the audience). Submitted papers will be refereed for quality, originality and relevance by the Program Committee. All papers should be formatted as per ISPRS author's guidelines that can be accessed at <http://www.isprs.org/documents/orangebook/app5.aspx>. Please note that a paper not accepted for the Annals can still be included into the Archives with the agreement of the author(s). Accepted papers will be published in the conference proceedings provided at least one author is registered for the conference before the early registration date. Selected papers will be invited to be extended for peer-review with possible publication in a journal special issue. Submit your paper at: <https://easychair.org/conferences/?conf=webmgs2015>

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WORKSHOP WEBSITE

convegna.unica.it/webmgs2015