

# WebMGS 2010

August 26-27 - Como, Italy

## Programme

updated 2010-08-26

### 25 August

18.00 20.00

Ice Breaker party

Palazzo Natta - via Natta, 14 - 16

18.00 20.00

Registration

### 26 August

8.30 16.30

Registration

9.00 9.30

Welcome Addresses

Chair: M. A. Brovelli, S. Li, B. Veenendaal

### Session 1: Sensors Web

Chair: S. Li

9.30	10.30	ISTSOS: INVESTIGATION OF THE SENSOR OBSERVATION SERVICE	M. Cannata, M. Antonovic
		DECLARATIVE SENSOR INTERFACE DESCRIPTORS FOR THE SENSOR WEB	A. Broering, S. Below, T. Foerster
		INTEGRATING THE OGC SENSOR WEB ENABLEMENT FRAMEWORK INTO THE OGC CATALOGUE	S. Jirka, D. Nüst, J. Schulte, F. Houbie
10.30	11.00	CITIZENS AS SENSORS FOR FOREST FIRES: SENSOR WEB ENABLEMENT FOR VOLUNTEERED GEOGRAPHIC INFORMATION	S. Schade, G. Luraschi, B. De Longueville, S. Cox, L. Díaz
		Coffee Break	

		Session 2: Web Processing	Chair: M. A. Brovelli
11.00	12.00	PAY-PER-USE REVENUE MODELS FOR GEOPROCESSING SERVICES IN THE CLOUD	B. Baranski, T. Deelmann, B. Schäffer
		ZOO PROJECT: THE OPEN WPS PLATFORM	G. Fenoy, N. Bozon, V. Raghavan
		DATA INTEGRATION IN A MODULAR AND PARALLEL GRID-COMPUTING WORKFLOW	S. Werder
		A COMPARISON OF PLATFORM AS A SERVICE (PAAS) CLOUDS WITH A DETAILED REFERENCE TO SECURITY AND GEOPROCESSING SERVICES	B. Ludwig, S. Coetzee
12.00	14.00	Lunch Time	
13.15	13.45	Presentation of the NGO "Academics without borders"	Robert Laurini
		Session 3: Case studies	Chair: B. Veenendaal
14.00	15.15	TOOLS AND WORKFLOWS IN GEOSPATIAL ENVIRONMENTAL PLANNING AND MANAGEMENT	A. Jolma, I. Ferencik, T. Kokkonen
		SYGEME, INTEGRATED MUNICIPAL FACILITIES MANAGEMENT OF WATER RESSOURCES: TOOL PRESENTATION, CHOICE OF TECHNOLOGY, MAN-MACHINE INTERFACE, AND PROSPECTS	F. Kuchler, G. Cherix, F. Golay, J. Ingensand, F. Oliosi, Y. Vollet, D. Lindemann
		WEB GEOSERVICES FOR MONITORING THE ENVIRONMENTAL IMPACT OF LARGE STRUCTURES	M. A. Brovelli, G. Giori, M. Mussin, M. Negretti
		SMART ASSISTANCE FOR PERSONS WITH DISABILITIES: A SENSOR ENABLED WEB-BASED SOLUTION IN CULTURAL HERITAGE ENVIRONMENTS	M. A. Laguna, D. Molinero, J. A. González, J. Finat
		IET, A VERSATILE WEBGIS FOR STRATEGIC LAND PLANNING	A. Ciaghi, R. De Filippi, C. Dolci, S. Droghetti, C. Furlanello
15.15	15.45	Coffee Break	
		Session 4: Web Visualization	Chair: A. Donaubauer
15.45	17.00	EXPERIMENTAL STUDIES FOR THE DEFINITION OF 3D GEOSPATIAL WEB SERVICES	A. Scianna
		A WEB-BASED APPROACH FOR ONLINE DIGITAL TERRAIN MODEL AND ORTHOIMAGE GENERATION	Z. Paszotta, M. Szumilo
		STANDARD-CENTRIC AUTHORING AND PUBLICATION FOR CARTOGRAPHIC CONTENT	O. Ertz, E. Bocher, M. Laurent, G. Petit, D. Rappo
		TOWARDS AN INTEGRATION OF DOCUMENTATION, INFORMATION AND MANAGEMENT SYSTEMS IN A COMMON FRAMEWORK	J. Calle, R. Martínez, F. J. Delgado, A. Hurtado, J. Finat
		LANDSCAPE VISIBILITY ANALYSIS AND THEIR VISUALISATION	S. Popelka, V. Vozenilek
20.00		Social Dinner	

**27 August**

8.30 12.30

Registration

## Session 5: Case studies

Chair: A. Jolma

9.00	10.15	INTEGRATION OF DISASTER EVENT DATA INTO SPATIAL DATA INFRASTRUCTURES	B. Stollberg, T. De Groeve, A. Hirner, L. Vernaccini, S. Paris
		SPATIAL PLANNING - THE OPEN FIELD FOR DATA DESCRIPTION AND WEB SERVICES	V. Cada, O. Cerba, R. Fiala, K. Janecka, K. Jedlicka, J. Jezek, T. Mildorf
		AN INTEGRATED FRAMEWORK FOR SPATIO-TEMPORAL DATA MANAGEMENT: THE PROJECT BRISEIDE - BRIDGING SERVICES INFORMATION AND DATA FOR EUROPE	R. de Amicis, G. Conti, F. Prandi
		AN EVALUATION OF ONLINE GIS-BASED LANDSCAPE AND VISUAL IMPACT ASSESSMENT TOOLS AND THEIR POTENTIAL FOR ENHANCING PUBLIC PARTICIPATION IN THE UK	R. Berry, G. Higgs, M. Langford, R. Fry
		A WEBGIS APPLICATION FOR PRECISION VITICULTURE: FROM RESEARCH TO OPERATIVE PRACTICES	T. De Filippis, L. Rocchi, E. Fiorillo, L. Genesio

10.15 10.45

Coffee Break

10.45 12.00

Poster Session

Chair: P. Zatelli

12.00 14.00

Lunch Time

## Session 6: Geoweb Services

Chair: V. Raghavan

14.00	15.00	DEVELOPING AND CHAINING WEB PROCESSING SERVICES FOR HYDROLOGICAL MODELS	L. Diaz, M. Pepe, C. Granell, P. Carrara, A. Rampini
		AN AGENT-BASED FRAMEWORK TO ENABLE INTELLIGENT GEOCODING SERVICES	M. J. Hutchinson, B. Veenendaal
		A SPATIAL DECISION SERVICE FOR BPEL	A. Donaubaauer, F. Straub
		A SPECIFIC ONTOLOGY AND RELATED WEB SERVICES FOR ASSESSING ACCESSIBILITY ISSUES IN CULTURAL HERITAGE ENVIRONMENTS	P. Martín, B. Valverde, M. Muñoz, M. Martínez, J. Finat

15.00 15.30

Coffee Break

		Session 7: Web mapping, collaborative GIS and LBS	Chair: L. Diaz
15.30	16.30	ROAD SAFETY ANALYSIS USING WEB-BASED COLLABORATIVE GIS	F. Pirotti, A. Guarnieri, A. Vettore
		A TRAVEL ROUTE EDITOR ON A FOCUS+GLUE+CONTEXT MAP	P. M. Lerin, S. Ozeki, D. Yamamoto, N. Takahashi
		CARTOGRAPHIC INTEGRATION ON MOBILE DEVICES FROM SEVERAL PROVIDERS' LBS BY MEANS OF MAP SYMBOL ONTOLOGY	R. Karam, F. Favetta, R. Kilany, R. Laurini
		STRATEGIES OF CONTEXT-BASED AND SEMANTIC ADAPTIVE ROUTE COMMUNICATION	G. Gartner, H. Huang, F. Ortag
16.30	Session 8: Workshop summary and discussion		Chair: S. Li, M. A. Brovelli, B. Veenendaal

**28 August**

9.00 12.00

Guided Tour



## Poster Session Programme

**27 August**

10.45 12.00

Poster Session

Chair: P. Zatelli

A TOURIST LOCATION BASED SERVICE (LBS) FOR THE CAGLIARI CITY	M. Deidda, A. Pala, G. Vacca
GEOTRAVELDIARY: TOWARDS ONLINE AUTOMATIC TRAVEL BEHAVIOUR DETECTION	A. Bolbol, T. Cheng, A. Paracha
A WEB PROCESSING SERVICE FOR GNSS REALISTIC PLANNING	B. Federici, D. Giacomelli, D. Sguerso, A. Vitti, P. Zatelli
GEOME: A WEB-BASED LANDSCAPE GENOMICS GEOCOMPUTATION PLATFORM	S. Joost, M. Kalbermatten
TESTING GOGPS LOW-COST RTK POSITIONING WITH A WEB-BASED TRACK LOG MANAGEMENT SYSTEM	E. Realini, D. Yoshida, M. Reguzzoni, V. Raghavan
DEVELOPMENT OF OGC FRAMEWORK FOR ESTIMATING AIR TEMPERATURE FROM MODIS LST AND SENSOR NETWORK	S. Ninsawat, H. Yamamoto, R. Nakamura, A. Kamei, S. X. Kato, S. Tsuchida
TOWARDS TREATING GIS AS VIRTUAL RDF GRAPHS	E. Della Valle, H. M. Qasim, I. Celino
ARCTIC BASEMAPS IN GOOGLE MAPS	J. Muggah, D. Mioc
3D FLOOD-RISK MODELS OF GOVERNMENT INFRASTRUCTURE	P. Adda, D. Mioc, E. McGillivray, A. Morton, D. Fraser
GEODATA PROCESSING AND WEB MAPPING IN VISTULA LAGOON ECOSYSTEM MANAGEMENT	J. Kosakowski, M. Szumilo, M. Mroz

GEOSERVER WPS: AN INTEGRATED, EXTENSIBLE PROCESSING SERVICE	A. Aime
INTELLIGENT GEO-WEB SERVICES BASED ON HYBRID-MASHUP USING OPEN SOURCE GEO-SPATIAL SOFTWARE	K. Lee
RAYMAN: INTEROPERABILITY USE OF METEOROLOGICAL OBSERVATION	F.V. Gutierrez, M.A. Manso-Callejo, F.J. Moreno, C. Soler-García
SERVING MAP WITH OGC STANDARDS VIA NETWORK	M. Birgoren, U. Gumusay
SOFTWARE INTEROPERABILITY AND FRIENDLY INTERFACES FOR ASSESSING INTERVENTIONS IN CULTURAL HERITAGE DOMAINS	P.Cadenas, J.García-Tomillo, G.Rodríguez-Cano, J.Finat
A BLUETOOTH-BASED INDOOR LBS SYSTEM	F. Cheraghi, M. A. Rajabi
AUTOMATIC INTERACTIVE 3D DIGITAL DATA VISUALIZATION	A. Brychtova, V. Vozenilek
DEVELOPMENT OF WEB-BASED ICE INFORMATION SYSTEM	S. Li, C. Xiong, Z. Ou
WIRELESS MAPPING AND LOCALIZATION IN URBAN AREAS: A PRACTICAL APPROACH	G. Franch, D. De Martini
GRASS GIS AS ZOO WPS BACKEND	Gebbert S., Fenoy G., Bozon N., Raghavan V.