

The meeting

The Open source GIS - GRASS users conference will take place in Trento, Italy, 11-13 September 2002.

This conference is the result of the joint effort of many GRASS developers and users all over the world to foster closer relations and provide opportunities for greater interactions among the open GIS and GRASS communities.

The meeting will cover all the aspects of open source GISs, with a special focus on GRASS.

The aim of the conference is twofold: the exchange of experiences between Open GIS and GRASS users and developers and the possibility for the potential users to access first-hand information and GRASS capability demonstration, especially for users from developing countries.

Their peculiar license scheme, free availability, high efficiency and low management costs make the open source software systems particularly suitable as support for technology transfer to the developing countries and to the academic spin-offs.

The conference is organized by the Department of Civil and Environmental Engineering of the University of Trento with the help of an Organizing Committee including some of the most prominent GIS/GRASS experts around the world.

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Local Organizing Committee
Open source GIS - GRASS users conference 2002
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Application

This is the first meeting on open source GIS, so it is difficult to estimate the number of participants. Pre-registration on the web site (<http://www.ing.unitn.it/~grass>) will help the organization of the meeting to find out in advance the number of people interested to attend.

Conference fee will be kept as low as possible to allow everybody to participate:

- Early registration (until 30 June 2002): 70 euros
- Late registration (after 30 June 2002): 200 euros

Registration and hotel booking will be possible starting from January the 1st, 2002.

Authors are encouraged to submit papers covering the following topic areas

- development;
- applications;
- education;
- technology transfer.

Papers outside these areas are welcome, too.

Submission will be reviewed by the Organizing Committee, notice of acceptance will be mailed to the corresponding author by April 30, 2002. The proceedings will be published on a CDROM, available at the conference. Selected papers will be published in a special issue of Transactions in GIS (TGIS).

For applications and hotel accommodation please refer to:

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Open source GIS GRASS users conference 2002

Trento, 11-13 september 2002



Organizing Committee

Lars Arge	Duke University, USA
Battista Benciolini	University of Trento, Italy
Roger Bivand	Norwegian School of Economics and Business Administration, Norway
Maria Brovelli	Politecnico di Milano, Italy
Bruce Byars	Baylor University, USA
Marco Ciolli	University of Trento, Italy
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Helena Mitasova	Department of Marine, Earth and Atmospheric Sciences, North Carolina State University, USA
Markus Neteler	ITC-IRST Trento, Italy
Venkatesh Raghavan	Media Center, Osaka City University, Osaka, Japan
Phisan Santitamont	Survey Engineering Department, Chulalongkorn University, Thailand
Michael Shapiro	National Center for Supercomputing Applications, University of Illinois at Urbana Champaign, USA
Raghavan Srinivasan	Blackland Research Center, USA
Jim Westervelt	University of Illinois at Urbana-Champaign, USA
John Wilson	University of Southern California, USA
Paolo Zatelli	University of Trento, Italy

Preliminary program

Tuesday 10		14.00-18.00 Registration	
Wednesday 11	Session 1		Parallel Session 1
	8.00-10.00	Registration	
	10.00-10.30	Opening	
	10.30-12.30	Plenary session	
	14.30-16.30	GIS Applications	Exhibitions and Tutorials
	17.00-18.30	GIS Applications	Exhibitions and Tutorials
Thursday 12	Session 2		Parallel Session 2
	9.00-10.30	GIS Applications	GIS Development
	11.00-12.30	GIS Applications	GIS Development
	14.30-16.30	Technology transfer	GIS Development
	17.00-18.30	Technology transfer	GIS Development
Friday 13	Session 3		Parallel Session 3
	9.00-10.30	Technology transfer	GIS Development
	11.00-12.30	Technology transfer	GIS Education
	14.30-16.30	GIS Applications	GIS Education
	17.00-18.30	GIS Applications	GIS Education

Open source GIS and GRASS

Open source software is freely available over the Internet and it is experiencing broad diffusion, covering all the applications in the environmental and land management fields.

Geographic information management systems based on open source software, after an initial blossom within the academic and scientific institutions, are nowadays in the common practice for public institutions and professionals.

This software is usually available under GNU license (<http://www.gnu.org>), which requires the redistribution of the modified source code.

The main open source software systems to manage geographic information are:

- GRASS (Geographic Resources Analysis Support System), is a Geographic Information System (GIS) used for data management, image processing, graphics production, 2D and 3D spatial modelling, and visualization of many types of data. GRASS has evolved into a powerful utility with a wide range of applications in many different areas of scientific research. GRASS is currently used in academic and commercial settings around the world, as well as many governmental agencies and many environmental consulting companies;
- MapServer, an OpenSource development environment for building spatially enabled Internet applications;
- GRASSLinks, a World Wide Web interface to a geographic information system (GIS), offering public access to mapped information;
- PostgreSQL, a sophisticated Object-Relational DBMS, supporting almost all SQL constructs, including subselects, transactions, and user-defined types and functions. It is the most advanced open-source database available anywhere;
- Vis5D, a system for interactive visualization of large 5-D gridded data sets such as those produced by numerical weather models.

Supported by



This preliminary program can be heavily changed depending on the submitted papers. The final program will be available on June the 1st 2002.