



Integrating Information for Coastal Zone Management

The 5th International Symposium on Computer
Mapping and GIS for Coastal Zone Management
16th – 17th – 18th October 2003, Genova, Italy

CALL FOR PAPERS

The Organising Committee for CoastGIS 2003 extends an invitation to all researchers and practitioners of GIS for the coastal zone to submit abstracts for oral presentations or posters.

CoastGIS is held once every two years and is a major event in the field of the application of GIS and the related technologies to coastal and marine issues.

The 5th **CoastGIS** meeting will be held in **Genoa, Italy** and will include keynote speeches, technical sessions dedicated to technical/scientific reports and case studies as well as a poster session. An exhibition is also expected. The event will be concluded with a round table to discuss the outputs of the symposium.

The previous symposia, held in Cork (Ireland), Aberdeen (Scotland), Brest (France), and Halifax (Canada) were characterised by a very high scientific level and by the participation of many leading researchers and practitioners in the field of GIS and Integrated Coastal Management, drawn from a wide international community. Their success is a guarantee that CoastGIS '03 will be as well a very interesting, fruitful meeting.



International Centre for Coastal
and Ocean Policy Studies

CoastGIS'03 is organised by the joint effort of **GISIG** Geographical Information Systems International Group and **ICCOPS** International Centre for Coastal and Ocean Policy Studies that represent wide and qualified international partnerships of scientists, professionals and users in their respective activity field.



Geographical Information
Systems International Group

THE THEMES OF THE CONFERENCE

Geospatial solutions for managing the marine and coastal environment have advanced considerably in recent years, providing a wide range of geo-data management, modelling and analysis tools with better and more user-friendly interfaces to web-based applications, allowing a significantly enlarged end-user community access to both data and information about the marine and coastal environment. The provision of a suite of operational tools has raised awareness and confidence in the value of geospatial data and information for marine and coastal applications. Wider adoption of the geospatial technologies and their future evolution now depends upon bringing together the GIS technologist and the end-user community to help design effective solutions able to integrate geo-information in Coastal Zone Management. CoastGIS' 03 provides a community forum for the technologist and the end-user to explore the development of the geospatial technologies and the needs of the coastal manager and practitioner to more effectively manage the marine and coastal environment in the future.

In the course of the conference three main streams will be addressed:

1. **Technology, Data and Data Infrastructures**
2. **Application Fields and Integrated Coastal Zone Management**

Education

Participants are asked to give their contribution to one of the following issues, or to submit other ones they consider relevant and not properly represented:

TECHNOLOGY, DATA AND DATA INFRASTRUCTURES	APPLICATION FIELDS AND INTEGRATED COASTAL ZONE MANAGEMENT
<p>a. Data and Data Policy</p> <ul style="list-style-type: none"> • Coastal Spatial Data Infrastructures • Standards • Metadata • Quality of Data, Error Analysis and Reporting • Freedom of Access to Data and Information (e.g. costs; status, etc.) <p>b. Data Collection, Management, Access and Visualisation</p> <ul style="list-style-type: none"> • Mobile Data Collection (e.g. PDA; WAP phones; mobile access, etc.) • Internet and Access to Data • Management of shared GI databases • User Interfaces • Data Exploration • Visualisation (e.g. Virtual Reality and user interfaces; techniques, etc.) <p>c. Technology</p> <ul style="list-style-type: none"> • Online Image Processing • Databases (object oriented and image databases), • Hardware -desktop and mobile • Voice Activated Databases • Internet/Intranet/Extranet • Data Compression and Transmission • Matching Technology with User Need <p>d. Analysis and Modelling</p>	<p>a. Applications</p> <ul style="list-style-type: none"> • Methodology: ICZM • Boundary Definitions and the Coasts • GIS for Coastal Strategies and Policy Making; DSS • Environmental Conservation • Coastal Flooding • Erosion and dynamics of the coast • Disaster Management – Emergency • Tourism • Oil Industry • Public Information Systems • Integrating Coastal and River Data etc.... <p>b. Remote Sensing and Data Imagery for Environmental Applications</p> <ul style="list-style-type: none"> • New Sensors • Wider Access to and Use of Data • Spatial Resolution • Spectral Resolution • Temporal Resolution <p>c. Space and Time</p>
<p>EDUCATION: Education and Training in Coastal GIS</p> <ul style="list-style-type: none"> • Web-based learning for ICZM • Outreach and capacity building for ICZM education • Capacity building for ICZM in developing nations • CZM curricula for GIS specialists and non specialists 	

ORGANISATION OF THE SYMPOSIUM

The CoastGIS 2003 symposium is organised by a **Local Organising Committee**, chaired jointly by GISIG and ICCOPS. This committee will be assisted by an **International Scientific Committee**, composed by leading researchers in the field of GIS and Integrated Coastal Management. Submitted papers will be examined and chosen by the International Scientific Committee.

International Scientific Committee

Darius Bartlett, University College Cork, Ireland
Francois Cuq, Institut universitaire Europeen de la Mer, France
Cindy Fowler, NOAA, Coastal Service Center, USA
Ron Furness, International Cartographic Association
David Green, University of Aberdeen, United Kingdom
David Hart, University of Wisconsin, USA
Stephen King, University of Aberdeen, United Kingdom
Roger Longhorn, IDG Ltd. ,UK
Lionel Loubersac, IFREMER, France
Peter Nwilo, University of Lagos, Nigeria
Gerardo M. E. Perillo, Instituto Argentino De Oceanografia, Argentina
Jacques Populus, IFREMER, France
Bruce Potter, Island Resources Foundation, the Virgin Islands (Caribbean) and Washington, D.C
Emanuele Roccatagliata, ICCOPS/GISIG, Italy
Andrew Sherin, Geological Survey of Canada, Canada
R. Sudarshana, National RS Agency, Government of India
Adalberto Vallega, International Geographical Union, and ICCOPS, Italy

Local Organising Committee

Emanuele Roccatagliata, ICCOPS/GISIG, Italy
Giorgio Saio, GISIG, Italy
Paola Salmona, ICCOPS, Italy
Adalberto Vallega, International Geographical Union, and ICCOPS, Italy

REQUIREMENTS OF THE SUBMITTED PAPERS

The official languages of the event is English.

It is possible to participate to the symposium with an oral presentation or a poster. Every contribution is subject to the approval of the International Scientific Committee.

In case of more than one author, it is necessary to indicate the principal author and the co-authors. The Organising Committee will correspond with the principal author, preferably by electronic mail.

Material to submit for oral presentations

Extended abstract of no more than 1000 words

In case of approval by the International Scientific Committee:

Full paper of no more than 10 pages

Material to submit for posters

Extended abstract of no more than 1000 words

In case of approval by the International Scientific Committee:

Paper of no more than 5 pages, with pictures, describing the poster content and with reference to eventual pictures or drawings. Illustrations have to be sent apart, in jpg, high definition, format

Abstracts and papers have to be submitted in .rtf format, with the following template:

- *page size*: A4
- *font*: arial
- *margins*: top 3 cm, right 2,5 cm, left 2,5 cm, bottom 3 cm
- *drawing and pictures*: .jpg, high definition
- *theme*: write the theme and the sub-theme to which the paper addresses
- *kind of presentation*: specify if it is preferred an oral presentation or a poster
- *title of the contribution*: arial 14, bold, high chase, centred
- *name of the author(s)*: arial 10, centred
- *affiliation of the author(s)*: arial 10, centred
- *sub-titles*: arial 10, bold, aligned to left
- *text*: arial 10, justified
- *contact of the principal author*, including telephone and e-mail address
- *references*: author, title, editor, place of issue, date of issue (arial 10, justified)

Deadlines

Submission of abstracts:

30th of April 2003

Submission of papers:

31st of August 2003

Address: GISIG – Geographical Information Systems International Group Via Piacenza 54, 16138 Genova, Italy

E-mail: gisig@gisig.it

Contact Persons: Emanuele Roccatagliata, Paola Salmona

Reference: "CoastGIS 2003"

Website: www.gisig.it/coastgis

Scientific sponsorship



International Oceanographic
Commission of UNESCO



Commission on Coastal Systems of
International Geographical Union



Commission on Marine Cartography of
International Cartographic Association



International Geographical Union



Università degli Studi di Genova



Association
for Geographic Information
UK



EUCC
The Coastal Union



National Oceanic and Atmospheric
Administration, Dept. of Commerce,
US Federal Government



CoastGIS'03 is linked to the
initiatives for the
year 2004, Genova European
Capital of Culture

CoastGIS is developed as a collaborative initiative of the International
Geographical Union' s Commission on Coastal Systems and the
International Cartographic Association' s Commission on Marine
Cartography.