



Upcoming Marine GIS-related publications and events:

A compilation summary
for Spring 2002

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If you would like to be added to the ESRI Marine GIS Special Interest Group mailing list, visit <http://gis.esri.com/newsletters/newssubscribe.cfm?news=MarineGIS>.

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### **ESRI Is Happy to Announce a New Coastal and Marine Web site**

This web site is the result of many people's focused effort contributing to bring together a marine and coastal Web site to Marine GIS users all over the world. Please visit and send this link to anyone involved in the Marine GIS world.

<http://www.esri.com/industries/marine/index.html>

## ***The Wave Has an Archive!***

Now you can check backlogged issues of *The Wave* in the archives. Check them out at <http://draft/library/newsletters/marine/archives.html>.

## **Jason 1 Ready for Service**

Following an in-depth performance review by NASA and the French Centre National d'Etudes Spatiales, the Jason 1 oceanography satellite has been declared ready for operational service.

With the initiation of its operations phase, Jason has begun to generate its first science products on its mission to monitor global climate interactions between the sea and the atmosphere. Initial maps of sea-level anomalies, significant wave height, and ocean wind speed confirm the health of the spacecraft science instruments and the mission's ability to meet its data turnaround requirements.

Team managers from the French Space Agency's Satellite Control Center in Toulouse, France, and NASA's Jet Propulsion Laboratory in Pasadena, California, report Jason's satellite, payload, and ground segment are all functioning properly. This declaration paves the way for the start of the mission's scientific validation phase.

<http://www.jpl.nasa.gov>

Contact: JPL/Alan Buis 818-354-0474  
NASA Headquarters/Jim Cast 202-358-1779

## **The International Geographical Union Commission on Coastal Systems**

The International Geographical Union Commission on Coastal Systems (IGU-CCS) is now active again. Those of you who have subscribed longest to this list may recall that it was originally set up as an activity of this Commission, even though it has now broadened its membership considerably. We would also urge you to consider becoming an active member of the Commission, either by contributing to existing Commission projects or, if you see a gap that needs filling, proposing and organizing your own project.

The Commission invites you to visit our new, updated Web site at <http://igu-ccs.ucc.ie>.

## **MEDCOAST Events**

MEDCOAST announces two events in 2002:

MED & BLACK SEA BEACHES 2002: Beaches of the Mediterranean and the Black Sea: Dynamics, Regeneration, Ecology, and Management, October 24–27, 2002, Sarigerme/Dalaman, Turkey

The workshop will convene in a very attractive beach hotel located at the southern Turkish Aegean coast. It aims to bring together engineers, scientists, planners, managers, decision makers, and developers to discuss the integrated management of beach resources. The workshop covers a wide range of topics that are significant for beaches. They range from technical subjects (such as sand transport and the associated morphological changes, beach defense schemes with emphasis on sand nourishment, and soft innovative solutions) to subjects pertinent to daily management of recreational beaches (including recreational water quality standards, beach aesthetics and users' perceptions, beach management guidelines, interference with beach ecology, etc.). The papers selected for presentation in the workshop will be published in the proceedings, which will be made available to the participants at the time of registration.

Deadline for abstract submission: March 31, 2002

For information about the workshop, abstract submission, and preregistration, visit <http://www.medcoast.org.tr/medblack2002/index.html>.

**MEDCOAST INSTITUTE 2002: Integrated Coastal Management in the Mediterranean and the Black Sea. The Sixth International Training Programme, September 3–17, 2002, Dalyan—The Aegean coast—Dalyan, Turkey**

This is a comprehensive hands-on training program on integrated coastal management specific to the needs of the Mediterranean and the Black Sea. The Institute includes one-weeklong fieldwork carried out on a sailing boat along the Aegean coast in addition to dynamic in-class teaching. The training program is targeted at professionals holding midmanagerial positions in their central governments and being responsible for planning and execution of programs or projects on coastal and marine issues. The other groups of interest are employees of coastal municipalities, nongovernmental environmental organizations, universities, and research centers.

Deadline for application: June 20, 2002

For information about MEDCOAST INSTITUTE 2002 and the process of application including online application, visit <http://www.medcoast.org.tr/mci2002/index.html>.

### **Society for Conservation GIS Conference**

The Society for Conservation GIS (SCGIS)

5th Annual SCGIS Conference

July 5–7, 2002

The theme of this year's conference is “Embracing Diversity.” Topics will address the community building efforts of conservation activities, emphasizing the efforts made by government agencies, academics, nonprofits, activists, and commercial groups to work together and communicate. Please address this theme and discuss the benefits and challenges of forging partnerships with local and international communities. We

encourage you to communicate the pros and cons of your networking and collaboration with the various interest groups relevant to your work. Tell us how you "broke down the barriers" and how that effort benefited your project.

We are looking for abstracts that highlight one or more of the following:

1. Community building efforts of your conservation activities
2. Technical applications of GIS in conservation
3. Recurring philosophical and ethical issues faced in conservation applications
4. Solutions to the common problems in developing research, data, and solutions for GIS applications in the field of conservation
5. Networking and professional development opportunities for attendees

For more details and a scholarship application, visit

<http://www.scgis.org/scholarship.html>.

Additional information about this year's conference will be posted to <http://www.scgis.org/conference.html> as it becomes available. A call for papers will be posted February 28, 2002. For general information about SCGIS please visit [www.scgis.org](http://www.scgis.org).

Please post this announcement to all interested lists and individuals!

## **The Franco-Chinese Workshop on Safety Navigation**

June 3–6, 2002, Shanghai, China

Coorganized by The Shanghai Maritime University (<http://www.shmtu.edu.cn>), The French Naval Academy (<http://www.ecole-navale.fr>), and the French Ministry of Foreign Affairs.

The workshop will be held at Shanghai Maritime University June 3–6, 2002.

This workshop will give an opportunity to present and discuss the latest progress on the technological, application developments and prototypes on computational solutions to navigation security. The workshop will favor exchanges and confrontations of approaches among academics, software industrialists, and decision makers. Contributions to the following areas are solicited.

- \* Harbor management
- \* Recent developments in marine systems
- \* Integration of GIS and navigation system
- \* Automated navigation systems
- \* Security in navigation systems

- \* Next generation of ECDIS and AIS
- \* Radar-based systems
- \* Mobile navigation systems
- \* Interfaces
- \* Models and architecture for navigation systems

The sponsors of this event include  
The French Ministry of Foreign Affairs, and The China Navigation Society, China  
Society of Naval Architects and Marine Engineers, Marine Electrotechnical Committee  
of China Electrotechnical Society

Extended abstracts (up to 3,000 words in PDF format) relevant to the above topics  
should be sent before March 31, 2002, to Associate Professor Thierry Huet at  
[huet@ecole-navale.fr](mailto:huet@ecole-navale.fr) or to Professor Tianhao Tang at [thtang@guomai.sh.cn](mailto:thtang@guomai.sh.cn).

Detailed information on the technical, special events, accommodations, travel  
arrangements, and excursions will be included in subsequent mailings and will be posted  
at the workshop Web site at <http://www.ecole-navale.fr>.

### **The ISPRS Com. II Symposium in China**

The ISPRS Com. II Symposium on "Integrated System for Spatial Data  
Production, Custodian and Decision Support" will be held in Xi'an, China, August 20–23,  
2002. There will be several sessions on "Real-Time Mapping Technologies" at the  
symposium. You are invited to submit papers to our working group and participate in the  
symposium and technical exhibition. Timetable for paper submission is as follows.

Deadline for extended abstracts: January 31, 2002

Notification of acceptance: March 31, 2002

Deadline for final manuscripts: May 31, 2002

You may visit the official Web site of the symposium at  
[http://isprs2.nsd.gov.cn/xian/Xian1\\_index.htm](http://isprs2.nsd.gov.cn/xian/Xian1_index.htm).

Just before the symposium, the International Workshop on Mobile and Internet GIS will  
be held at Wuhan University, Wuhan, China, August 15–16, 2002. Our WG will  
coorganize the workshop. You are also invited to submit papers to and participate in the  
workshop. Important dates are

Deadline for abstract submission: February 28, 2002

Acceptance notice: April 15, 2002

Deadline for final manuscript submission: June 15, 2002

You can find the announcement of this workshop at [http://shoreline.eng.ohio-state.edu/wg2-1/mobile\\_internet\\_gis\\_first\\_call.doc](http://shoreline.eng.ohio-state.edu/wg2-1/mobile_internet_gis_first_call.doc) and <http://shoreline.eng.ohio-state.edu>.

## **Marine GIS Publications**

See the press release on Dawn Wright's latest new title, *Undersea with GIS*, at <http://www.esri.com/news/arcnews/fall01/articles/underseawithgis.html>.

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<http://dusk.geo.orst.edu>

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For other related publications, please see Marine GIS publications at <http://dusk.geo.orst.edu>.

*Marine and Coastal Geographic Information Systems* at <http://dusk.geo.orst.edu/book>.

*Undersea with GIS* at <http://dusk.geo.orst.edu/undersea>.

In addition, there was a successful response to the call for papers for Marine Geography. These works are being edited now; the publication goal is the ESRI 2002 User Conference.

## **The Marine Advanced Technology Education Center**

Summer Workshop for Faculty on Marine Topics and GIS

The Marine Advanced Technology Education (MATE) Center will be hosting a faculty workshop in Monterey, California, in the summer of 2002 on topics related to the marine environment, marine technology, and the applications of GIS.

Proposed topics include

- Conservation Issues, Marine Habitats, and Marine Protected Areas
- Marine Archaeology (Shipwrecks and Cultural Resources)
- Seafloor Mapping (Side Scan Sonar, Multibeam, Submersibles)
- Geohazards (tsunamis, submarine landslides)

The topics will be presented in the context of how GIS enhances and advances these fields.

The goals of these workshops are to

- Increase the awareness of career opportunities in the marine technical field.
- Increase the understanding of technologies applied to ocean activities.

- Facilitate a closer interaction between marine science and GIS/technology faculty.
- Increase the diversity of students exposed to GIS, marine technology, and marine technical careers.

If you are interested in participating in this workshop, please fill out a survey at [http://extra.marinetech.org/gis\\_survey/](http://extra.marinetech.org/gis_survey/).

We will design the workshop around the interests and needs of the participants. Everyone completing the survey will be sent an application for the summer workshops. For more information on the survey or summer workshops, contact Deidre Sullivan, curriculum and industry manager at [deidres@marinetech.org](mailto:deidres@marinetech.org).

The MATE Center also hosts summer workshops focused on Submersible Technology—the design and building of remotely operated vehicles (ROVs) and autonomous underwater vehicles (AUVs)—and conducts local and national ROV design and building competitions for students. For more information on submersible technology workshops please see our Web site at <http://www.marinetech.org/education/workshops.html>. For more information on the ROV competition, please see [http://www.marinetech.org/rov\\_competition/index.html](http://www.marinetech.org/rov_competition/index.html).

## **The PACEM in Maribus 2002 Symposium**

University of the Western Cape  
Cape Town, South Africa  
December 8–14, 2002

The global ocean is of supreme importance to humanity. Not only does the ocean provide a relatively cheap source of food and transport, but it is also a vital planetary life support system. For much of human history, the global ocean has been treated as inexhaustible both in terms of what it can yield and what it can absorb.

The new economy and the current trend of globalization exacerbate existing problems, and bring new challenges for the ocean. At no time in history has the ocean been under the pressure it is today, but also at no time has the ocean been such a source of exciting opportunities. It is vital that we accept the challenge not only of creating opportunities, but also of using these in a wise and sustainable manner to bring benefits to coastal communities in both the developed and especially the developing world.

The theme of this conference, “Oceans in the New Economy,” seeks to explore problems created within the ocean by the new economy and, more important, to identify opportunities for sustainable use that arise out of interactions between the new economy and the global ocean.

The symposium will be hosted by the International Ocean Institute – Southern Africa. It will be held at the University of the Western Cape, in Cape Town, the premier tourist destination and mother city of South Africa. Please visit our Web site at

<http://www.ioinst.org/pim2002> for more information, or contact the symposium secretariat at [pim2002@uwc.ac.za](mailto:pim2002@uwc.ac.za).

## **Coral Reef Ecosystem Studies Grant**

Coral Reef Ecosystem Studies  
National Oceanic and Atmospheric Administration  
Deadline: April 17, 2002

Announcement of Funding Opportunity to Submit Proposals for the Coral Reef Ecosystem Studies (CRES-2002) Center for Sponsored Coastal Ocean Research/Coastal Ocean Program (CSCOR/COP), National Ocean Service (NOS), National Oceanic and Atmospheric Administration (NOAA), Department of Commerce.

Notice of Funding Availability for financial assistance for project grants and cooperative agreements.

The purpose of this notice is to advise the public that CSCOR/COP is soliciting three-to-five year proposals to support coral reef ecosystem studies in regions under U.S. jurisdiction where coral reefs occur. Funding is contingent on the availability of federal appropriations. It is anticipated that projects funded under this announcement will have an August 1, 2002, start date.

Submit the original and 19 copies of your proposal to  
Center for Sponsored Coastal Ocean Research  
Coastal Ocean Program (N/SCI2)  
SSMC4, 8th Floor, Station 8243  
1305 East-West Highway  
Silver Spring, MD 20910  
<http://www.cop.noaa.gov>

## **Coastal Zone Canada Conference 2002**

Deadline for submitting abstracts to Coastal Zone Canada 2002 is February 15, 2002.

June 23–28, 2002, Hamilton, Ontario, Canada

The theme of the fifth annual international biennial conference is "Managing Shared Waters." The conference is sponsored by the Coastal Zone Canada Association, Pollution Probe, and the United Nations University: International Network on Water, Environment and Health.

The organizers invite presentations that examine coastal and related water issues and the associated capacity needs under the following four topics:

- Education, training, awareness raising
- Institutional and participatory frameworks
- Measuring and understanding coastal ecosystems

· Infrastructure, services, and products

<http://www.pollutionprobe.org/managing.shared.waters/index.htm>

## **Seascapes, Littoral Cultures, and Trans-Oceanic Exchanges Call for Papers**

Deadline: April 30, 2002.

At the Library of Congress, Washington, D.C.

Conference dates, February 13–15, 2003

This conference aims to go beyond area studies and to cross the usual national, geographical, and cultural boundary lines of scholarship by examining the role of oceans and sea basins as highways of exchanges between world areas as well as social and cultural sites in their own right. National historiographies are challenged by seascapes that wash the shores of multiple global areas and that create littoral social relations with dynamics of their own. Studying the historiography of transoceanic exchanges promises to break new ground in the study of human linkages along several lines. Each of the three conference days will focus on a particular rubric.

Day 1: Social and political organization

Day 2: Economic implications

Day 3: Cultural, environmental, and scientific issues

<http://www.theaha.org/conference/seascapes>

## **Global Warming to Raise Sea Level Shockingly High**

Beachfront property may not be such a great investment in the coming decades. New calculations suggest that glacier melt could raise sea levels to drastic heights in the 21st century.

As recently as last year, the Intergovernmental Panel on Climate Change estimated that glacier melt alone would be responsible for a rise of 1 to 23 cm in sea level by 2100. Now, using new data from North American glaciers, researchers from the University of Colorado at Boulder calculate that glacier melt could be responsible for a 23 to 46 cm rise by 2100.

Combined with other forces such as ocean warming, sea levels could surge as much as 89 cm. For perspective, a rise in sea level of 30 cm would correspond to an average 30-meter retreat of shoreline. The research was reported at the annual meeting of the American Association for the Advancement of Science in Boston.

[http://enn.com/news/enn-stories/2002/03/03052002/s\\_46530.asp](http://enn.com/news/enn-stories/2002/03/03052002/s_46530.asp)

Other related sites:

<http://www.ucsusa.org/environment/gw.worldsci.html>

<http://www.rprogress.org/publications/econstatement.html>

I am collecting leads on this “hot topic”, if you have any related sites or information specific to sea level rise please send them to Joe Breman at:

[Jbreman@esri.com](mailto:Jbreman@esri.com)

### **Announcement of New Marine Data Model Development**

ESRI is pleased to announce the development of a marine data model. A collaborative initiative involving researchers from Oregon State University, Duke, and the NOAA Coastal Service Center is resulting in the development of an ESRI data model created to support the needs of the Marine GIS community. This model is still in development and a review team has been selected to evaluate the initiative over the coming months. You are invited to reply with any feedback, ideas, or suggestions. The development of the model can be followed at the ArcGIS Marine Data Model Workgroup Site. Thanks to Dawn Wright and Oregon State University for hosting the site for the group.

Please visit the related links:

<http://dusk.geo.orst.edu/djl/arcgis>

<http://arconline.esri.com/datamodels.cfm>

[http://arconline.esri.com/arconline/datamodels\\_one.cfm?id=21](http://arconline.esri.com/arconline/datamodels_one.cfm?id=21)

If you have direct questions or would like to be added to the ESRI Marine Special Interest Group mailing list, please contact me at

Joe Breman

[jbreman@esri.com](mailto:jbreman@esri.com)

Or you can be added directly at

<http://gis.esri.com/newsletters/newssubscribe.cfm?news=MarineGIS>.