



Coastal and Estuarine Research Federation *Newsletter*

October 2008

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Time from manuscript submittal to publication meets or exceeds competing journals

Journal Transition Period Completed!

*Bob Howarth
CERF President 2007-2009
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Last summer we began two ambitious transitions for the CERF journal, *Estuaries and Coasts*: we moved to a new editorial structure in which co-Editors-in-Chief **Carlos Duarte** and **Jim Cloern** became responsible for all editorial decisions, and we joined with Springer an international academic publisher to co-publish the journal. I am pleased to report that both transitions are now complete, and the journal is thriving!

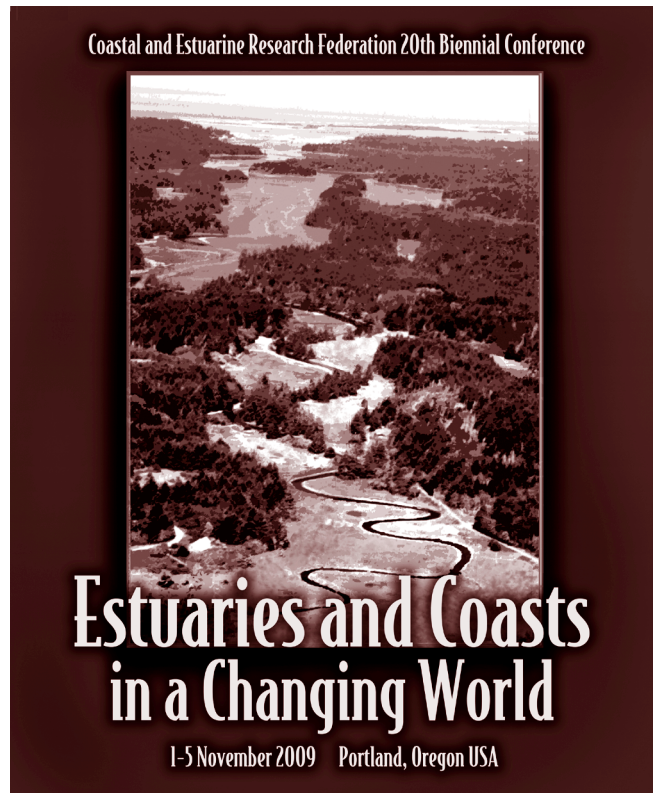
On the editorial front, Carlos and Jim have expanded the international character of the Editorial Board with the addition of several excellent scientists. We have hired **Taylor Bowen** as the editorial coordinator. Taylor serves as a CERF employee, a friendly face for the journal who handles the interface with Springer on a routine basis. If you have questions or concerns with a submission or potential submission, Taylor is there ready to help.

The time from submission of a paper to the first decision by the editors ("accept as is," "accept with major revisions," etc.) has been an impressive 64 days for the first 7 months of 2008, with half of this time the average time taken by reviewers to do their work. This short time attests to the dedicated service of the associate editors as well as the work of hundreds of talented reviewers.

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Climate change will be highlighted from many perspectives

Record Number of Proposals Received for the Conference Scientific Program

*Bob Emmett, CERF 2009 Scientific Program Chair
Walt Nelson, CERF 2009 Scientific Program Poster Chair*

We want to thank all those in the coastal and estuarine research community who responded so energetically to our call for sessions and workshops for the 2009 CERF meeting in Portland. At present we have over 100 scientific sessions/workshops that have been proposed, a new record for CERF.

It is clear that we will have a wide variety of exciting oral, poster and workshop sessions at our Portland, OR, conference. We will be putting out a call for abstracts in late January. The large suite of proposed sessions will provide an easy avenue for you to submit an abstract for the CERF 2009 meeting.

Even from a preliminary look at the session proposals, we can
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CERF *Newsletter* is published by the Coastal and Estuarine Research Federation, associated with the following regional societies: Mid-Atlantic (AERS), California (CAERS), Gulf (GERS), Canadian Atlantic (ACCESS), New England (NEERS), Pacific (PERS) and Southeastern (SEERS). *Newsletter* inquiries should be addressed to Joy Bartholomew, Susan Helmrich or Alejandra (Ally) Doughty (see contact information below).

Membership form is enclosed on the inside back cover. Visit the Federation's web site: <http://erf.org>

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Editorial Strategy Report

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In September we met with representatives of Springer Publishing, CERF President **Bob Howarth**, *Estuaries and Coasts'* Editorial Coordinator **Taylor Bowen**, and CERF Executive Director **Joy Bartholomew** to review the first year of *Estuaries and Coasts* as a Springer publication and to work through some strategic decisions for moving our journal forward. The following is adapted from a report to the members of the journal's Editorial Board of the meeting synopsis:

■ CERF leaders will recognize reviewers who provide manuscript evaluations of exceptional quality and value. Their photos will be published in the CERF newsletter with citations of excellence; the CERF president will write personal letters of recognition to each cited reviewer with copies to her/his department chair or academic dean; and all recognized reviewers will be listed in the journal.

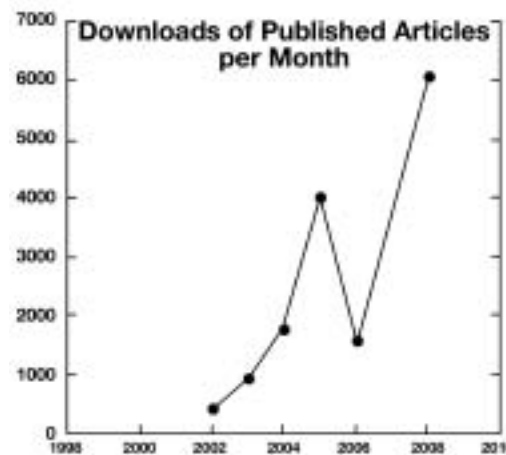
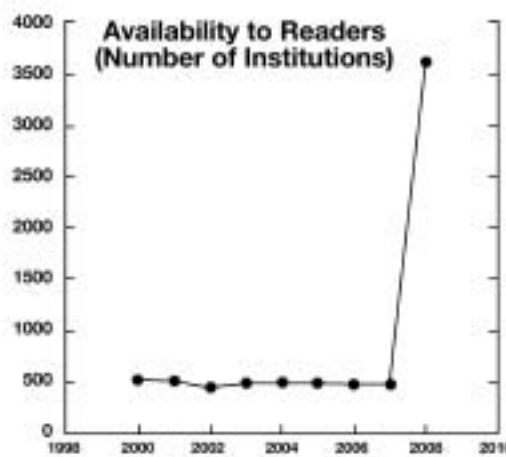
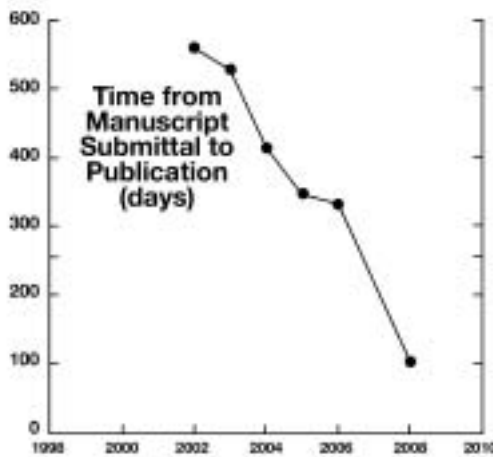
Please see the notice in this *Newsletter* providing recognition of Angel Borja and Mick van der Wegen.

■ Metrics of journal performance show that: numbers of submissions and article downloads (now > 5,000 per month) are growing; time to publication is shortening; and journal distribution has greatly expanded (3,600 institutions have online subscriptions).

■ Our Editorial Coordinator, **Taylor Bowen**, compiled statistics about our editorial performance since November 2007, including average time to recommendation for each Associate Editor. The average time to first editorial decision is 64 days; many articles are published online within 6 months of submission; the journal is on pace to receive a record 280 submissions this year; the number of international submissions is growing (we've received 9 from India, 10 from China); our overall rejection rate of manuscripts is about 40%.

In this *Newsletter* is a report from Taylor with interesting data about the manuscript review process.

■ Some of you are aware that there were serious problems with the online archived papers from past issues of *Estuaries*, *Estuaries and Coasts*, and *Chesapeake Science*. Springer has given this top
continued on page 4



The graphs above show key metrics of *Estuaries and Coasts'* performance in recent years. All of the measures are moving in the right direction, in some cases, dramatically.

Editorial Strategy Report

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priority and assures us that the complete set of pdfs will be available online by September 22. (As noted in **Bob Howarth's** letter, we suggest that you verify quality and inclusion of your past papers published in E&C and contact Springer if you find there are still quality problems. Contact **Janet Slobodien** at Janet.Slobodien@Springer.com)

- Many of you have handled manuscripts that required editing to correct errors of grammar, spelling, and English usage. Springer has agreed to provide services of a professional copy editor in cases where authors do not have financial resources to pay for editing service. This offer applies only to papers that clearly meet the scientific criteria for publication and where authors have no institutional resources available for addressing problems of language usage. We suggest that, in your comments to the Editors, you indicate to us when manuscripts are publishable but require copy editing.
- The Editorial board can choose nine papers to be published each year as Open Choice at no cost to authors (a \$950 value for CERF members and \$3,000 value for nonmembers). Let us know of papers that should be made freely available online.
- We will change the format of the printed journal by producing covers as color photographs, beginning with the first issue of 2009.
- We receive inquiries about special issues of the journal, and will add information to the online author guidelines to describe the process and encourage proposals for special issues (four are now in process – see below).


Delving Deeper into Estuaries and Coasts **Electronic Supplemental Material**

(Excerpted from information provided by Springer, publisher of *Estuaries and Coasts*)

Have you ever read an article in *Estuaries and Coasts* and wanted to find out more? Perhaps you wanted to see the original data or illustrations. Or, maybe you were interested in video clips, animations, sequences, or spectral data. Well, that option is now available to you as “electronic supplemental material” (ESM) in the online version of *Estuaries and Coasts*.

Authors can now submit ESM with their papers; the additional information is published online and linked to the article, but it is not printed. (Authors, if you are supplying ESM along with your article, please be sure to make specific mention of the linked material as a citation, e.g. “as shown in Animation 3.”)

With the availability of Electronic Supplemental Material, you can skim the surface or delve the depths – the choice is yours.

- Springer's marketing team is working hard to showcase our journal. They are interested to learn of papers published in our journal that might be of interest to the press and general public. Let us know when you handle a manuscript that might be newsworthy, and we will send it to the marketing team to contact news groups for press releases. Springer will highlight our journal at scientific conferences in 2009, such as European Geosciences Union, American Geophysical Union, Society of Wetland Scientists, Ecological Society of America, SETAC Europe and SETAC North America, International Marine Conservation Congress.
- Last year Springer sent you \$250 book vouchers to show their appreciation of the work you do for the journal. We were surprised to learn that only three of you used these vouchers. Springer is happy to make this offer again — let us know if you are interested.
- We are considering addition of a Review Editor to solicit and handle review articles. Do you have nominees?
- We will recruit new Associate Editors in the areas of: sediment transport and geomorphology, biogeochemistry, microbial processes, natural history, coastal science in Asia, and applications of molecular approaches. Do you have suggestions of other areas of expertise we should recruit to the editorial board?
- We will produce some keywords with broad categories of paper topics. We will ask you to select at least one from the list, so that our readers can customize the online table of contents to organize papers grouped by region and or topic. We plan to implement this in Editorial Manager.
- We will meet with the CERF Governing Board during its November meeting in Portland to discuss journal performance and our visions for the future. Let us know of topics you would like to add to our agenda for discussion.
- *Estuaries and Coasts* is now a partnership between its editorial board, CERF, and Springer publishing. All the partners are extremely appreciative of the time you donate as Associate Editors. We know you are all active in your own research, recognize that your time is a precious resource, and we value it. 

Estuaries & Coasts and Online Peer Review— Frequently Asked Questions

Taylor Bowen, Editorial Coordinator,
Estuaries & Coasts
estuariesandcoasts@erf.org, 434-977-5494

Where do I submit a paper to *Estuaries & Coasts*?

<http://www.editorialmanager.com/esco/>
The journal uses Editorial Manager™, a Web-based submission and review system.

What is the journal's peer review workflow?

The journal's peer review process is 100% online. In a nutshell, the life of a manuscript goes through the following workflow:

1. Author submits word processing and figure/table files online
Note: Authors may also submit electronic supplemental material which, if the paper is accepted, will be published with the online version of the paper
2. The Editorial Coordinator checks in the new submission and assigns it to a Co-Editor-in-Chief, either **Carlos Duarte** or **Jim Cloern**.
3. The Co-EIC assigns the paper to an Associate Editor (AE) with expertise in the area of the manuscript.
4. The AE invites 2-4 reviewers via email.
5. Reviewers submit a recommendation and comments on the paper for the editors and authors via the online score sheet.
6. When the requisite number of reviews have been received, or sooner at the discretion of the AE, the AE submits a recommendation to the Co-EIC.
7. The Co-EIC receives the AE's recommendation and comments, as well as the comments of the reviewers, and renders a final decision. The Co-EIC sends the author the decision email which includes the comments of the AE and reviewers.
8. Revisions follow the same process as above, though fewer reviewers may be used.

How long does the review process take?
Our time from submission to first decision has been approximately 61.5 days for the year-to-date 2008.

What is "online first"?

Estuaries & Coasts publishes accepted papers online before a printed issue is produced—and generally within 3-4 weeks of acceptance. Accepted articles are bound with a printed issue of the journal at a later date.

CERF members should check the online journal periodically because new papers are being added continuously.
<http://www.springerlink.com/content/120846/>

What are the expectations of reviewers?

Co-EIC **Jim Cloern** writes that the *Estuaries & Coasts* review process "...is the quality control program that ensures objectivity, soundness, and rigor of scientific papers. It also ensures that CERF members are actively engaged in the review of manuscripts submitted to their Federation's journal. Timely publication of high-quality estuarine-coastal research is utterly dependent upon timely and careful evaluations from reviewers.

Reviews are most valuable if they provide objective assessments of the quality of the data presented; novelty, generality, soundness and significance of conclusions; and overall quality of the presentation.

Reviews should be written to assist the authors by identifying weaknesses (or strengths) in study design, data analyses and presentation of results, and include specific guidance for resolving weaknesses."

- All review comments are submitted online via the journal's score sheet on the Editorial Manager system (this is to "database" the comments and to facilitate distribution of the comments with the decision letter).
- Reviewers are given 3 weeks to review and score.
- The online system sends overdue reviewers automated reminder messages.

Who do I contact with questions about the review process or how to use the online system?

Taylor Bowen, Editorial Coordinator, who works in Charlottesville, Virginia, USA. estuariesandcoasts@erf.org or 434-977-5494 

On behalf of the Coastal and Estuarine Research Federation,
the Editors in Chief and the Editorial Board of *Estuaries and Coasts*
recognize the following individuals for their

Outstanding Contributions to Manuscript Review



Borja

Angel Borja

AZTI-Tecnalia
Pasaia, Spain

Mick van der Wegen

Coastal Engineering
and Port Development,
Delft, The Netherlands



van der Wegen

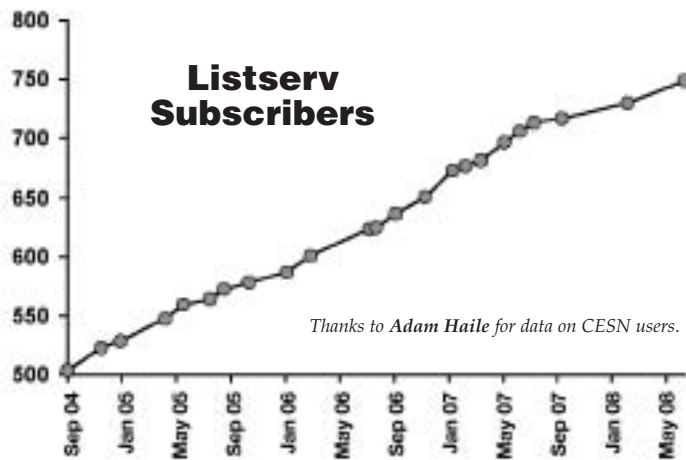
A Federation Program for Coastal Managers

Coastal and Estuarine Science News

Merryl Alber, CESN Managing Editor
malber@uga.edu

Coastal and Estuarine Science News (CESN) is an electronic newsletter that serves as a companion to the journal *Estuaries and Coasts*. It was launched by the Estuarine Research Federation (ERF) Board in 2003 to strengthen the link between science and management in coastal systems. Each issue of CESN provides a brief summary of 4-5 journal articles, chosen specifically for their strong implication for management of coastal areas.

CESN is posted at www.erf.org/cesn (where it is also possible to sign up to receive each issue via e-mail). The number of people on the e-mail distribution list has risen steadily, from approximately 500 in fall 2004 to more than 750 by August 2008. Website visitation has increased steadily, reaching approximately 7500 this past year (2007).

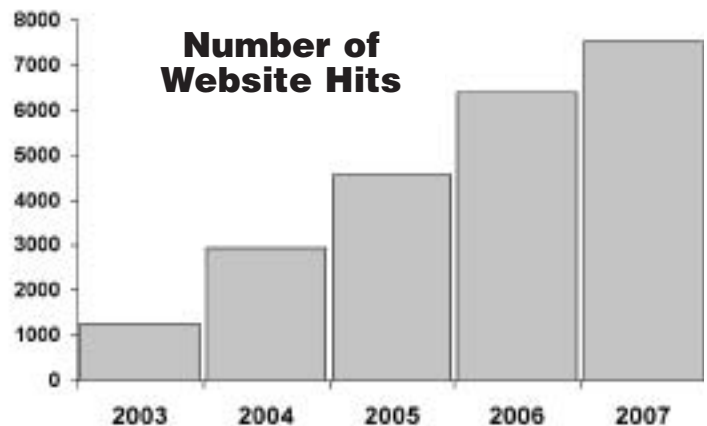


CESN is run by an Editorial Board that consists of current and past members of the ERF Board (see below for a complete list). Editorial Board members review abstracts of upcoming papers in *Estuaries and Coasts* and select 4 or 5 papers for highlighting in CESN. Considerations for publication include the paper's relevance for management, geographic balance, and presentation of a broad array of topics. Editorial Board members volunteer to provide a list of the important points of individual articles, which is then used by the CESN science writer to write a draft summary. Draft CESN pieces are provided to the corresponding authors of the articles for comment and approval before distribution.

ERF conducted a survey of CESN readers in 2004. Out of 83 respondents, we found:

- We are reaching a wide variety of readers: the respondents' primary duties are divided between resource management (36%), mainly research (31%), and environmental policy (27%).

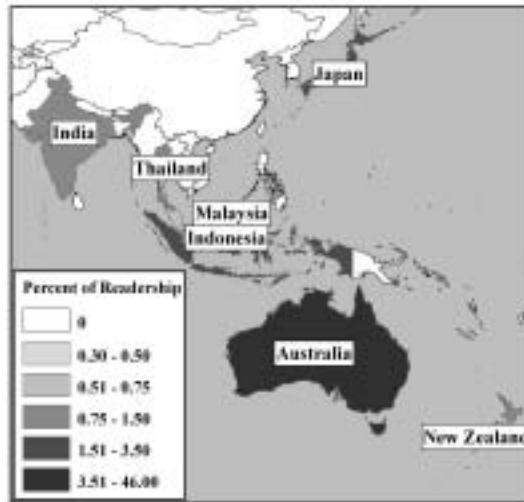
- We are reaching an audience outside of ERF, as intended: 64% of the respondents are not members of ERF or its affiliates.
 - Respondents think the information provided is useful (74%), or at least interesting (an additional 26%).
 - The format and content appears to be appropriate: 80% believed that CESN is about the right length and content, and 66% believe that the articles are useful for coastal management.
 - More than half of the respondents (53%) use CESN to keep up with management-related research findings; the second most-cited use was for reports for government or elected officials. Teaching was also mentioned by several respondents.
 - CESN may be increasing readership of the journal *Estuaries and Coasts*: 50% of the respondents said that they
- continued >>>*



CESN Editorial Board Members:

Merryl Alber, Univ. of Georgia (Editor)
 Jim Brennan, Univ. of Washington
 Robert Buchsbaum, Mass. Audubon Society
 Daniel Conley, Lund University, Sweden
 Andrea Copping, Marine Sciences Lab., Seattle
 Marie DeLorenzo, NOAA National Ocean Service
 Brett Dumbauld, Hatfield Marine Science Center
 Mike Mallin, UNC Wilmington
 Geno Olmi, NOAA Coastal Services Center
 Chris Onuf, USGS (retired)
 Sandy Wylie-Echeverria, Univ. of Washington

Coastal and Estuarine Science News: Readership by Country



Map Credit: Chas Miller

had accessed articles that they would not have otherwise, and an additional 42% said that they had not yet, but may.

In addition, we routinely get unsolicited positive comments such as “have been meaning to say that I love getting this, have found more story ideas from it over the months than I can count...really helpful, and a great ERF product!”

We gratefully acknowledge support from the EPA Coastal Management Branch to fund the CESN science writer, **Nancy Steinberg**. To expedite the work of the all-volunteer editorial board, CERF recently recruited **Chastity Miller** to join the CESN staff as it’s editorial coordinator.

What’s next for CESN?


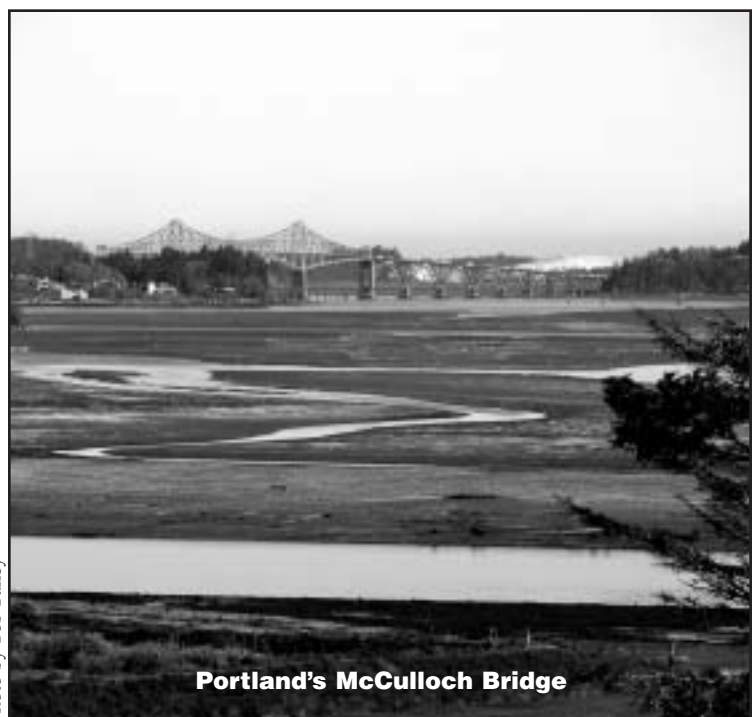
- More Spanish translations – the one issue that has been translated so far has been very popular
- Expand the readership – help spread the science by inviting your colleagues to sign up for this free service at the CERF web site. 

Photo by Bob Bailey



Portland’s McCulloch Bridge



Take a glance at how Estuaries and Coasts is doing so far in 2008!

Estuaries and Coasts

Journal of the Coastal and Estuarine Research Federation

Co-Editors-in-Chief: C. Duarte & J. Cloern

Beginning in 2008, Springer has been proud to publish *Estuaries and Coasts* on behalf of the Coastal and Estuarine Research Federation. We would like to share with you some of the improvements the journal has made over the course of the year, and encourage you to submit your research to this outstanding journal!

Even more reasons to submit your research to *Estuaries and Coasts*:

- ▶ Outstanding usage figures – tripled so far in 2008
- ▶ Now available via nearly 4,000 institutions
- ▶ Submission to publication – now takes 1/3 of the time!

Submit your research online today

We invite you to submit your papers to *Estuaries and Coasts*. Manuscripts will be judged on the basis of their contribution of original data, ideas and interpretation. For further information regarding research areas of particular interest, please visit the journal homepage at springer.com



Submit online at <http://www.editorialmanager.com/esco/>

More Is More

Anne Thessen, Marine Biological Laboratory
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Since their invention, computers have helped researchers collect, analyze, and store an almost unfathomable amount of data, creating the new challenge of managing the increased flow of information. Biological sciences pose a unique informatics challenge due to the heterogeneity of the data that is collected and the expanse of the discipline. This is partly due to the variability in living systems, the importance of scale, and the vast array of parameters that influence biological processes. Unlike chemistry, which has a periodic table, e-biology has no established framework around which all information can be interrelated and understood. Such a structure must be created if we are to facilitate an understanding of the effects of large-scale processes such as climate change. The tools are available now with the maturation of the internet and associated biodiversity informatics tools, which promise to revolutionize the use of computers in the environmental sciences.

Semantic Web

A major "internet tool" capable of revolutionizing biological science through better data management is the semantic web. This is a way of labeling information that a computer can read and understand, which expands the range of data management tasks that can be automated. First, data must be freed from the rigid formats of the spreadsheet and relational database without losing contextual information. Part of this process involves atomization and can be accomplished with a variety of formats. The format with the greatest promise is the Entity:Attribute:Value (EAV) triple. For example, a spreadsheet containing descriptive information about birds would have in each row, information about individual species. The *entity*, flamingo, would be in the first column; and the *attribute* feather color would be the heading of another column, with the *value* pink for flamingo. Outside the spreadsheet, the contents of the cells (pink) have no meaning. Storing the data as a triple (flamingo:feather_color:pink) preserves the context, ensures viability, and enables a computer to accept more of the management workload. Additional information such as attribution can be added by assigning the triple a globally unique identifier to which the additional information can be attached. Unlike the spreadsheet, which was designed by one individual with a limited array of specific analytical needs, a pool of triples can be organized with metadata and ontologies. It can be queried and reordered to reflect the needs of the user, whether he/she is interested in data about changing distributions of flamingoes, the physical causes of feather colors, or the evolution of things that are pink. Mobilizing data into the new format could be automated through natural language processing and machine learning algo-

rithms. The reward is access to more data with less work, a cumulative and collaborative data environment which leads to more accurate conclusions and increased ability to place one's findings in appropriate context.

Online Social Networking

Another "internet tool" capable of revolutionizing biological science through better communication of ideas is the online social networking environment. Despite the ubiquity of email in science communication, many scientists have lagged in creating or participating in online social networking to develop their ideas. One scientific web community, Alzforum, has been a huge success as an online biomedical research community. The website offers discussion forums, community data repositories, and a useful yet entertaining home page. Alzforum has been particularly helpful in providing a platform for productive discussion about ideas and findings that would not occur otherwise. Increased communication between research groups also decreases duplication of effort, which saves research money. Drupal

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Are you a coastal manager
with too much to do
and too little time?

**Coastal and Estuarine
Science News — CESN**
Where coastal managers stay on the leading edge

Coastal and Estuarine Science News (CESN) is an electronic newsletter that provides brief summaries from the journal, *Estuaries and Coasts*.

Articles are chosen specifically to give you:

- Recent scientific results every coastal manager should know.
- A link between science and management in coastal systems.
- A quick resource to aid in your reporting, teaching, and decision-making within the coastal management community.

Best of all, it's *free!*
Sign-up TODAY at www.er.forg

CESN is an electronic publication of the Coastal and Estuarine Research Federation

SEE RELATED STORY ON PAGE 6.

Pacific Northwest Estuaries Were Born of Fire and Ice

John Bragg
South Slough National Estuarine Research Reserve
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The Pacific Northwest coastal zone is punctuated by many distinct, small estuaries. They fringe a strip of land bordering nearly a thousand miles of the eastern Pacific Ocean and Puget Sound. This expansive coastline is the focal point of ocean currents that drive one of the globe's four great upwelling zones that sustain oceanic food webs. It is the terminus of several large rivers – the Fraser River in British Columbia, the Columbia River between Oregon and Washington, the Klamath River in California – that carry the runoff of the Pacific Northwest temperate rainforest and can extend the signature of the estuaries far out to sea. These estuaries and their watersheds produce salmon – five species of them – and oysters, crabs, flounders and other commercially important fish besides. The estuaries inside of Puget Sound – the Fraser, Hood Canal, and South Puget Sound – tend to be larger than the estuaries found on the outer Washington coast. The Columbia River estuary extends from Bonneville Dam 146 miles downstream to Astoria and includes 236 square miles of estuarine habitats (Hayslip et al., 2007).

South of the Columbia River the estuaries become smaller. Oregon has 17 principal estuaries. The largest is Coos Bay with 13,300 tidally-influenced acres. Oregon also has 16 minor estuaries of 50 acres or less. Minor estuaries form at the mouths of coastal creeks and small rivers and provide important habitat, especially for anadromous fish (Oregon Estuary Plan Book, 1987).

The Pacific Northwest's estuaries were born of the movements of tectonic plates millions of years ago. Those movements altered coastlines, pushed up mountains, and have been reshaping the northwest coast of North America ever since, in part by lifting layers of sandstone and mudstone, weathering them, and redistributing their sediments along the beaches. Many Oregon beaches are demarked by basaltic headlands – the eroded remnants of

flood basalt that originated hundreds of miles inland and flowed westward to the sea.

The estuaries began to assume their present forms during the last glacial epoch. About 15,000 to 25,000 years ago, the level of the sea off of the Oregon coast was about a hundred meters lower than it is now. Dry land extended far to the west of the present coastline. As the continental glaciers melted, rising coastal waters reflooded the rivers' mouths and Oregon's signature drowned-river-mouth estuaries began to take shape. During this same time geologic forces caused sections of the coast to rise rapidly. Mature rivers meandered across a broad coastal plain when the uplift began. Today those rivers meander through deeply-incised canyons that they carved through the mountain as the mountains rose.

In Washington the glaciers advanced out of Canada, south and west, as far as Olympia. They filled Puget Sound with an estimated 2,383 cubic miles of ice. The weight of the ice pressed portions of the Sound deep into the crust. As the glaciers retreated, the melting ice formed a huge freshwater lake in Puget Sound where glacial till mixed with marine sediments. The retreating glaciers carved deep channels through the sediments. All this activity resulted in the fjords, the layer-cake bluffs and the mixed-sediment beaches that characterize Puget Sound today (Washington Department of Ecology, 2008).

As the sea level rose, the wind and waves pushed the exposed sands of Oregon's beaches into great ranges of dunes. These dunes supplied sand to build the point bars and sandspits that define many of Oregon's smaller, bar-built or blind estuaries, which exist precariously for as long as the sandy features that formed them remain stable.

Today things look quiet compared to when fiery rivers of lava left their eroded remnants as foundations for lighthouses. But **the clash of ocean and rivers continues to mold Pacific Northwest estuaries.** Winter storms reshape beaches, cliffs, and rivers. The northwest coast is vulnerable to the destructive force of tsunamis triggered by earth-

This expansive coastline is the focal point of ocean currents that drive one of the globe's four great upwelling zones that sustain oceanic food webs. It is the terminus of several large rivers – the Fraser River in British Columbia, the Columbia River between Oregon and Washington, the Klamath River in California – that carry the runoff of the Pacific Northwest temperate rainforest and can extend the signature of the estuaries far out to sea.

***Note to readers:** As CERF prepares for the biennial conference in Portland, OR, in November 2009, we offer an overview of Pacific Northwest estuaries ranging from Puget Sound to Cape Mendocino in northern California. This first article discusses the geophysical setting of Pacific Northwest estuaries and their geologic origins. Subsequent articles will address the variety of northwest estuaries and highlight several management concerns, including climate change, earthquakes and tsunamis, shoreline management, habitat and species conservation, and the impacts of energy production.

The series of overview articles is coordinated by John Bragg, coastal training coordinator for the South Slough National Estuarine Research Reserve in Charleston, Oregon.


The Pacific Northwest



quakes at the plate boundary a few hundred miles west of Oregon, or by great earthquakes originating far across the Pacific. A small tsunami rolled down the coast following the Alaska Earthquake in 1964, causing death and destruction as far south as Crescent City, California. The destructive power of great earthquakes and tsunamis reshapes the coastline at 300 to 500 year intervals. The most recent great tsunami occurred about 300 years ago when, in what was probably a typical tectonic event for the region, a large section of the coast suddenly subsided to establish a new equilibrium between land and sea. It left its signature in the oral histories of Native Americans and in layers of estuarine mud and sand exposed in the tidal channels of the South Slough National Estuarine Research Reserve at Coos Bay.

Winds and ocean currents drive the Pacific Northwest's climate. The Sub-Arctic Current flows eastward across the northern Pacific Ocean and encounters North America on a broad front along British Columbia and Washington. The current diverges. The northern portion turns left and becomes the Alaska Current, while the southerly waters turn right to form the California Current.

As the California Current mixes with fresh water discharged from the Columbia River and numerous small coastal streams, it gives rise to a complex nearshore marine environment. During spring and summer, northwest winds trigger ocean upwelling. Upwelling brings cold, deep, nutrient-rich water to the nearshore surface, where sunlight stimulates rapid growth of phytoplankton. Twice each day the tides carry these highly-enriched waters into the estuaries, where they account for spring and summer plankton blooms. Pacific Northwest estuaries are highly marine in comparison with estuaries of other regions. Although flushing rates tend to be rapid, especially during winter monsoons when runoff from the steep, coastal rivers is high, the tidal prism of a typical northwest estuary may be comprised of nearly 40 percent salt water. Upwelling is affected by variations in ocean climate, such as the El Niño/Southern Oscillation and the Pacific Decadal Oscillation (Rumrill, 2006).

Pacific Northwest estuaries share many of the problems that face coastal managers in other regions – invasions of exotic plants and animals, loss of habitat, degraded water quality and the impacts of development among them. New issues are complicating those concerns, among them: proposals to develop wind or waves for energy, or to extract methane from buried coal, or to import liquefied natural gas. Using marine reserves to protect important ocean resources remains controversial in Oregon. Managing shoreline development remains a critical issue in Puget Sound. Beyond these concerns managers are asking: how will Pacific Northwest estuaries fare as the regional climate changes? 

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The One that Got Away

Fishing in the Great Northwest

*Bob Emmett, CERF 2009
Scientific Program Chair
Robert.Emmett@noaa.gov*

As part of your CERF 2009 experience, you may want to consider the wonderful fishing opportunities that await. And, you won't have to travel far from Portland to find them! The best bet locally in November will be sturgeon fishing in the Gorge, below Bonneville Dam – a wonderful area as the water begins to cool in the fall. This is largely a catch and release fishery because most of the sturgeon are greater than 6 ft long. Some of these fish are monsters at more than 10 ft long, making them the largest freshwater fish in North America. (Imagine the whoppers you'll be able to tell!) The Columbia River Gorge is beautiful anytime of year, which makes this fishing extra special. There will also be Chinook fishing (catch & release) below Bonneville, but by November the fish may be slightly past their prime. On the other hand, there may be some early steelhead fishing; only time will tell.

There are many guides available in the area to help plan a trip. You should be able to Google® their websites by searching for "Columbia River Fishing Guides," or "C. R. Sturgeon Guides."

If you're interested in traveling a little further away from Portland, the Oregon Coast provides all kinds of fishing opportunities. You can rent a boat and go crabbing in Yaquina Bay and Nehalem Bay. If the tides are right (negative) there is razor clamming on the beaches. You can even take a charter boat in good weather to go bottom fishing for rockfish and lingcod. So, grab your raingear – and get out fishing in the Northwest. It's guaranteed to be a memory-maker! 🌐

Save the Dates!

20th Biennial Conference of the
Coastal and Estuarine Research Federation
CERF 2009

*Coasts and Estuaries
in a Changing World*

**Portland, Oregon, USA
1-5 November 2009**

*Abstract Submittal Opens
February 2009*

Deadline: 23 May 2009

For more information, go to the
CERF website www.erf.org or contact:

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The Coastal and Estuarine Research Federation is grateful to the following sponsors and contributors who have stepped forward to support the CERF 2009 biennial conference

EPA, OWOW, Coastal Management Branch

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The following have donated extensive personnel time toward conference organization:

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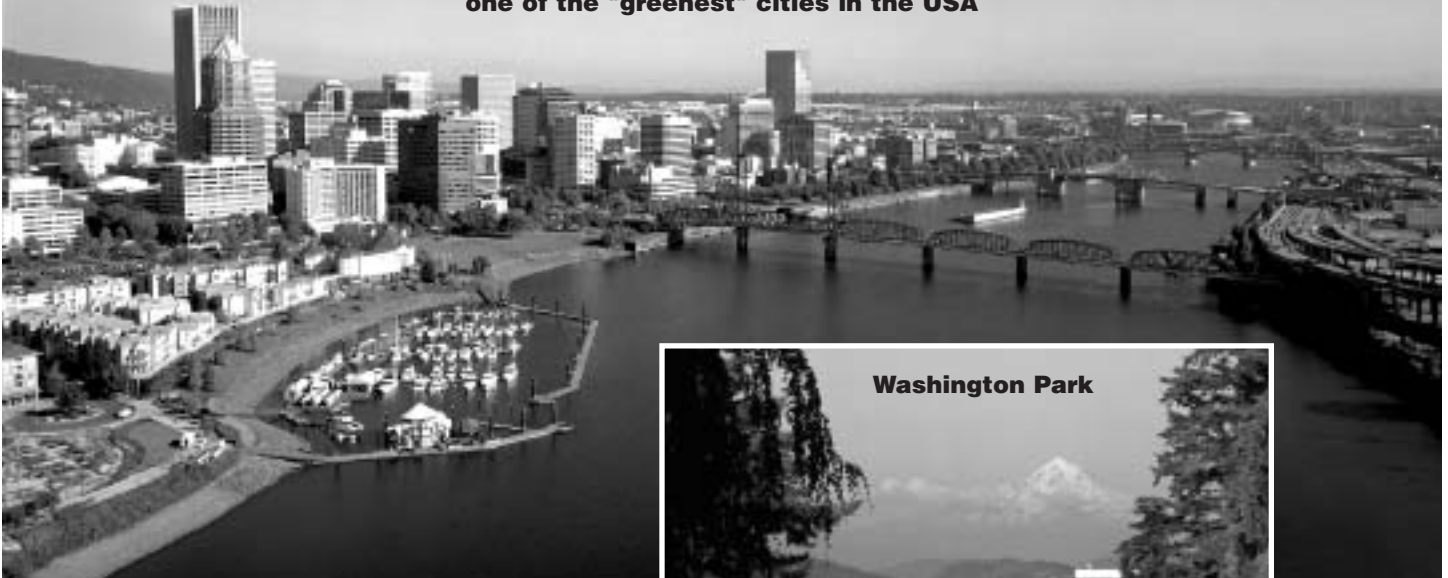
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A Portland Primer

The Columbia River bisects the city of Portland, Oregon,
one of the "greenest" cities in the USA



Washington Park



Photos courtesy
of Travel Portland



Mount Hood

Did you know...

- Portland has been named the "Greenest City in America."
- More people commute to work by bike in Portland than in any other US city.
- Portland is home to the world's largest urban wilderness park, the 5,000-acre Forest Park.
- Portland is one of only two US cities to be listed among the "World's Most Livable Cities."
- The Oregon Convention Center, in the heart of Portland, was the first such facility in the US to receive the *Leadership in Energy and Environmental Design—Existing Building* (LEED-EB) Certification.
- Public transportation in the 330-block area dubbed, "Fareless Square," provides free, easy access from the Oregon Convention Center to destinations throughout downtown Portland.
- Portland has been called, "America's Best Eating Destination."
- With more than two dozen breweries, Portland is America's microbrew capital.
- The daily average maximum temperature for Portland in November is 52.6°F.
- Portland will host CERF 2009, making it THE place to be next November.

How Do We Make CERF 2009 the Best Conference Ever?

By Learning from CERF 2007!

On behalf of all future conference attendees and organizers, we extend a HUGE “thank you” to the following individuals for producing an awesome *Conference Logistics Summary Report*.

Special thanks to **Giancarlo Cicchetti** and **Jim Latimer** for compiling the extensive report.

Rebecca Bannon
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thank you

Record Number of Proposals

continued from page 1

see that climate change is a topic of high interest – one that crosses many disciplines, from fisheries to seagrasses. As has been the tradition for our diverse CERF community, the session proposals presented are varied in theme and geographic focus, are often interdisciplinary, and are very exciting.

While many proposals came from “old sea dogs,” who have been coming to CERF conferences for years, we are pleased to have received many submissions from new members. We encourage our new members and students to submit abstracts when the general call is issued, and hope to see many new faces in presentations at the Portland conference in November 2009. 🌐



Photo by Bob Bailey

Herons in slough at Coos Bay, OR

 **Start your engines
for CERF 2011!**
The conference site has been selected.
We're getting ready to roll to...
Daytona Beach, Florida

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Thanks to all of you for your generosity. Your contributions of time, energy and support make the Federation great.

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President's Report

Journal Transition Period

Completed continued from page 1

Most authors report they have been very pleased with the new processes.

On the publishing side, papers are now available online as citable publications within a few weeks of acceptance, an incredible record. This means that a paper accepted "as is" on first submission (not a common occurrence) can be published within 3 months of submission, and a paper accepted with minor revisions (~20% of the papers

The journal is now available at over 3,600 institutions globally...This is an order of magnitude greater distribution than we have ever had in the past, with a true global reach for the first time.

thus far in 2008) should take less than 4 months from submission to publication, if the authors deal with the revisions in a timely manner. Few if any environmental science journals do as well.

The availability and visibility of *Estuaries and Coasts* has grown tremendously since we joined with Springer. The journal is now available at over 3,600 institutions globally, including many institutions that support multiple libraries (such as the University of California system). This is an order of magnitude greater distribution than we have ever had in the past, with a true global reach for the first time. And the journal is being noticed. Full text downloads of papers by readers averaged almost 12,000 per month for the first 6 months of 2008, and reached a high of over 26,000 per month in April.

Special issues are now part of the routine business for the journal. The change in our publishing model means that those who propose dedicated special issues of *Estuaries and Coasts* no longer need to obtain funding for these. This is a great change, since the Editors-in-Chief are now able to decide on issues based on editorial content alone. If you have a topic to propose for an issue, contact Carlos or Jim and sound them out.

The scale of the transitions and breadth of issues addressed have been massive, and not surprisingly, some problems have arisen. As soon as problems have been identified, CERF staff and Springer have moved quickly to solve them. The most difficult problems to solve have been with the historical archives of *Estuaries* and of *Chesapeake Science*, which are now available through Springer to all CERF members and institutional subscribers. We received some complaints over the summer about quality of some archived papers, as well as mislabeling of some papers in

the archives. Springer has responded by bringing in a new vendor to re-do the work of scanning and archiving old papers, and they have assured us that this work was completed as of September 22. Some errors still seem inevitable, and we are interested in identifying these and correcting them.

In consultation with Springer we urge you, the CERF members, to participate in an extra level of quality control. If you have published in *Estuaries* or *Estuaries and Coasts* in the past or have a favorite paper published there, please go online to the archives and look for it. Can you easily find the paper or papers? Is the visual quality reasonably high? If not, Springer asks that you let their point person in the CERF partnership, **Janet Slobodien**, know of the problem. She can be reached by e-mail at janet.slobodien@springer.com.

All CERF members should be proud of *Estuaries and Coasts*. If you have not taken a look recently, go online and check out the latest papers. And by all means, consider submitting your work for publication in the journal. 🌐



Photo by John Bragg

Woody debris was placed in Winchester Creek, in the South-Slough National Estuarine Research Reserve near Charleston, OR, in an experiment to learn how woody structure affects anadromous habitat. See related story on page 10.

CERF Student Membership Is A Bargain!!

If You Are or Were a Student – Read This!

*Robert R. Christian, ERF President 2005-2007
Christianr@ecu.edu*

While I was a graduate student, I attended the annual meetings of a different scientific society and observed that the graduate students there spent considerable time trying to talk to assistant professors; assistant professors tried to talk to associate professors; associate professors tried to talk to full professors; and full professors tried to hide and talk

Third, students can **develop their presentation skills in a respectful and friendly environment.** Affiliate Societies provide an excellent forum for that first presentation. CERF conference organizers encourage students to fully participate in both oral and poster sessions, giving students their choice of presentation format over 75% of the time.

Egalitarianism is one of CERF's greatest strengths, and it starts with respect for everyone irrespective of stage of career.

among themselves. I have never felt this caste system at our biennial conferences or meetings of our Affiliate Societies. As a younger member of ERF, my limitations to interacting with others were from my own introversion, not any explicit or implied social order. **Egalitarianism is one of CERF's greatest strengths, and it starts with respect for everyone irrespective of stage of career.**

Students comprise between 10 and 16% of the CERF membership, with more student members during biennial conference years. Students are fully franchised. Their membership includes the right to vote and hold office. Now I admit that a graduate student is unlikely to be elected President, but that has more to do with the size of personal network and experience than any formal restrictions. Furthermore, students often play crucial and appreciated roles for both CERF and the Affiliate Societies.

Students receive numerous advantages from their membership in CERF and its Affiliate Societies. First and most obvious is the reduced annual membership dues. Student CERF dues are less than half the normal membership; and as they say in the commercials, "for about \$1 per week...."

Second are the **recognition of merit and the financial breaks** at meetings. Monetary awards for outstanding student presentations at CERF and Affiliate conferences look great on your CV and ease the cost of attendance. Affiliate Societies and CERF offer students reduced registration fees, travel stipends and some offer payment for on-site work.

Fourth, one of CERF's few standing committees is the "Education Committee." It provides a number of opportunities to students, including E-Refs and extra financial support for meeting attendance when possible. Finally, the job postings on the CERF web site are the most viewed pages and help provide a way out of studentdom.

Fifth, CERF helps students develop **leadership and organization skills** by welcoming them to serve on committees and get involved with the management of their society's events and programs.

Above are the tangible benefits of student membership, and perhaps as important is a less tangible benefit – **the ability to network and be recognized** as being part of the community of coastal and estuarine scientists. Colleagues and friends made at Affiliate Society and CERF meetings during student years often continue throughout one's career. Some of these people will review your future manuscripts and proposals, others may be future collaborators — or even bosses.

Speaking of future bosses, a curriculum vita that indicates **memberships in professional societies is a positive factor for employment.** As an estuarine and coastal scientist, being a member of ACCESS, AERS, CAERS, GERS, NEERS, PERS, SEERS, or CERF is a definite plus. The person doing the interviewing and making the decision may also be a member — a member who began as a student, values the connections and looks favorably on helping a fellow member.



Atlantic
Estuarine
Research Society

News

AERS Fall 2008 Meeting: The Potomac River and a Journey Back to the Beginning

Leila Hamdan, AERS President
Leila.hamdan@nrl.navy.mil

AERS is gearing up for the Fall 2008 meeting at George Mason University in Fairfax, VA. Hosted by **Chris Jones**, Director of the Potomac Environmental Research and Education Center, and **Bob Jonas**, Chair of the Environmental Science and Policy Department, the meeting will provide the opportunity to embrace new discoveries in estuarine research while celebrating the past. The scientific program is in the final stage of development thanks to the dynamic duo of **Jessie Jarvis** and **Rachael Blake**, AERS Program Chairs. The program includes a keynote address and panel discussion on the meeting theme: *The Potomac River: Water Quality and Environmental Change in the "Nation's River."* The keynote address will be delivered by Dr. **Carl Cerco** (USACOE). Panel members include Dr. **Claire Buchanan** (ICPRB), Dr. **Norbert Jaworski** (EPA) and

Dr. **Nancy Rybicki** (USGS). The panel is working together to develop an exciting discussion of this important system. The Conference Steering Committee (**Jeff Browning**, **Bob Jonas**, **Chris Jones**, **Frank Reilly**, **Treda Smith**, **Shelley Sullivan**, **Chris Swarth**, **Jeremy Testa**, **Natalie Vu** and **Dave Yozzo**) worked diligently during the summer to develop the theme, select the speakers, and put the final touches on what they hope will be an exciting meeting.

If you are a student thinking about attending, here is another reason to consider it: The Interstate Commission on the Potomac River Basin is providing student travel funds to the meeting to encourage scientific discovery in the Potomac River. Student travel funds are also available for every meeting through the AERS Student Endowment. Generous support for the scientific program has also been pledged by George Mason University's Potomac Environmental Research and Education Center, the Chesapeake Bay National Estuarine Research Reserve (Virginia and Maryland), the Naval Research Laboratory, and of course, CERF.

This year marks the 60th anniversary of the formation of AERS. Back in 1948, **Nelson Marshall**, **Willard Van Engel**, and **Eugene Cronin** (Founding President of both AERS and CERF) set the stage for this great thing we call AERS. **Kent Mountford**, AERS Historian, has agreed to take to the podium and educate members old and new about the formative years of AERS. In celebration of this

anniversary, YSI (also celebrating their 60th anniversary in 2008) and GMU are co-sponsoring a commemorative T-shirt for all meeting registrants. In addition, YSI is giving students another reason to present their work: a one time cash award to the students who deliver the best student papers and posters at the meeting. YSI and AERS hope that these awards will encourage students to continue to do good science for another 60 years!

And naturally, there will be cake. In summary, this is a meeting not to miss:

AERS Fall 2008 Meeting


November 6-8, 2008

George Mason University, Fairfax, VA
<http://www.aers.info/meetings/Fall2008/Fallmeeting2008.htm>

Coastal Bays in 2009

AERS is already planning the Spring 2009 meeting to be held in Ocean City, MD, at the beginning of March 2009. We are working with **Bill Dennison** (University of Maryland), **Cathy Wazniak** (MD Department of Natural Resources), and other members of the Scientific and Technical Advisory Committee (STAC) for the Maryland Coastal Bays, to develop the scientific theme of the meeting. The meeting will highlight research on Coastal Bay and Lagoon systems throughout the AERS region. The AERS Board and the STAC hope that the Spring 2009 meeting will provide a better understanding of these unique and fragile ecosystems. Please stay tuned for details as plans develop.

AERS Conference Manual Hits the Web

During the spring and summer, **Chris Swarth** (Jug Bay Wetlands Sanctuary) lead a team in developing a "how to" manual for AERS meetings. He was aided in this effort by **Rachael Blake**, **Jessie Jarvis**, **Patrick McGrath**, **Judith Stribling** and **Dave Yozzo**. The manual is now available at www.aers.info under the "meetings" tab. We encourage anyone who is thinking about hosting a meeting to take a look at this informative document. Along with providing great exposure for your home institution and the thanks of a grateful membership, hosting an AERS meeting supports the mission of AERS, and helps our students prepare for their careers in estuarine science. With this new manual, all of the guess work is eliminated. 



Chris Swarth and Dave Yozzo relax during the AERS poster session.

AFFILIATE SOCIETY NEWS



*Simon Courtenay, ACCESS President
courtens@unb.ca*

Growing CERF in Canada

One of the great enticements to serve as President of a CERF Affiliate Society is that you automatically become a member of the CERF Governing Board. That means that you get to hang out with some really interesting people and visit some beautiful places for the twice-yearly meetings. Last April we met at the Air-lie Center, 50 miles southwest of Washington DC; and in November we'll be checking out Portland, Oregon to make sure you'll have a good time at the next CERF conference in November 2009.

In April we chatted about things like where to hold future CERF conferences and how to grow the Federation – especially internationally. Some of us enjoyed this enough to continue the conversation through a Membership and International (MAIN) Committee chaired by **Bob Christian**. As the discussion developed, we decided to focus on three geographies in which we might grow: Latin America, Canada and Europe. **Carolyn Keefe, Joy Bartholomew** and I took on the challenge of Canada. Our first question was whether there was potential for growth in Canada or if perhaps CERF has maxed out in the great white north.

Canada has about a tenth the population of the USA, so all else being equal you might expect about a tenth of the CERF membership to be Canadian. You'd be wrong. Actually only about one percent of the CERF membership is Canadian. There are only 19 CERF members in Canada right now. Isn't that amazing? So it would seem that there should be a huge opportunity to grow CERF in Canada. But how?

First, we should make use of our Affiliate Societies that have significant Canadian membership. ACCESS attracted 115 Canadians to its last meeting. On the Pacific coast, about ten percent of PERS' 200 members are Canadian. The meetings of these Affiliates represent a golden opportunity to showcase the benefits of joining the parent society. We look forward to significant CERF participation in ACCESS 2009 in beautiful Prince Edward Island next May (please see below).

Secondly, there are opportunities for CERF to collaborate with other groups meeting in Canada. For example, the Canadian Water Resources Association is meeting in Quebec City next June and has expressed interest in ACCESS contributing a session on estuarine issues. This is an opportunity to raise the profile of CERF.

Thirdly, perhaps there is opportunity for CERF to collaborate with groups working on Canada/USA international coastal issues such as the Bay of Fundy Ecosystem Partnership (BOFEP)/Gulf of Maine Council on the Marine Environment.

Fourth, and this is an easy one, we could bring a special session to CERF 2009 highlighting Canadian coastal and estuarine issues.

Fifth, and this isn't an easy one, we could bring a CERF conference to Canada. This was considered for CERF 2011 with both Quebec City and Montreal on the list of potential venues. In the end the nod went to Daytona Beach, Florida, which is a great choice; but 2013 is another opportunity. What about Vancouver, British Columbia? Vancouver is a beautiful city of 600,000, in a region of over two million. It is a city that has successfully hosted international conferences of all sizes. But if we built it, would they come? Since the Federation as a whole meets only every other year, CERF members rely on these conferences to keep in touch with the latest information and their connections to their peers. Would meeting in Canada prohibit a significant percentage of members from attending? Clearly this is not a decision to be taken lightly. Perhaps travel costs or restrictions on out-of-state or out-of-country travel would prevent government employees from coming. The way ahead here was suggested by **Jim Brennan**: survey the membership to determine the appeal and likelihood of attendance.

The MAIN committee and its sub-committee on Canada will continue its discussion on ways to grow CERF in Canada. If you would like to join us, we would love to have you. If you have ideas to offer or feedback on these ideas please email me at courtens@unb.ca.

ACCESS 2009 is being organized by Dr. **Michael van den Heuvel** and will be held May 13-15 at McDougall Hall, Room 2424, University of Prince Edward Island, Charlottetown, PEI. If you have ideas for this meeting or would like to get involved, please email Mike at mheuvel@upepei.ca.

Just a reminder, the ACCESS executive is:

President: Dr. **Simon Courtenay** courtens@unb.ca

President-elect: Dr. **Martha Jones** Martha_jones@cbu.ca

Past-President: Dr. **Mark Hanson** mark.hanson@dfo-mpo.gc.ca

Treasurer: Dr. **Wayne Fairchild** wayne.fairchild@dfo-mpo.gc.ca

Secretary: **Benoit Lalonde** benoit_lalonde@ec.gc.ca

Member-at-large: Dr. **Michael van den Heuvel** mheuvel@upepei.ca

Member-at-large: Dr. **Gary Bugden** gary.bugden@dfo-mpo.gc.ca

Student representative: **Stephen Cole** swbcole@gmail.com

Student representative: **Sylvia Dove** sylviadove@gmail.com 

Upcoming Affiliate Society Meetings

Society	Dates	Location
ACCESS	13-15 May 2009	University of Prince Edward Island, Charlottetown, PEI
AERS	6-8 Nov 2008	George Mason Univ, Fairfax, VA
CAERS	16-18 March 2009	Bodega Bay, CA
GERS	5-7 Nov 2008	University of New Orleans, LA
NEERS	16-18 Oct 2008	Block Island, Rhode Island
PERS	2-5 April 2009	Bellingham, WA
SEERS	13-15 Nov 2008	Tampa, FL

For detailed information, please check the Affiliate Societies' websites via www.erf.org. Choose the Affiliates button on the left sidebar.




*Jim Brennan, PERS President
jbren@u.washington.edu*

PERS Election Results

PERS is very pleased to announce the election of our new officers and board members. Congratulations to **Steve Rumrill**, President Elect, and **Emily Howe**, Student Representative. **Cynthia Durance** agreed to serve another term as Member at Large, and **Jeannie Gilbert** also agreed to serve another term as Secretary/Treasurer. This year, Jeannie set up an "electronic voting booth" to conduct the elections. This proved to be an efficient way for members to cast their votes. I believe we will continue to use this system.

Both Cynthia and Jeannie have been invaluable contributors to PERS, and I am very pleased that they are willing to serve another term. I am confident that the addition of Steve and Emily to our Board will make PERS an even better organization, and I am looking forward to working with them over the next two years.

PERS Annual Meeting – PERS '09

The planning for our annual meeting got off to a slow start, but thanks to the efforts of **Jeannie Gilbert** and a few other folks, we now have a date and venue. The PERS 2009 Annual Meeting will be held at the Lake-way Inn in Bellingham, Washington, on April 2-5, 2009. We like their facilities, and the location should be convenient for our Canadian members – a bit more travel for our Oregon and California participants, but we like to change the location to accommodate as many members and other participants as possible from our broad geographic range. Although we have not developed the full program for the meeting, we have agreed to have a special session on Native Oyster Restoration, following a request from **Kerry Griffin**, NOAA Fisheries Office of Habitat Conservation, in Portland, Oregon. Many of the details of the meeting are still "a work in progress"; but now that we have a date and venue, it appears that everything will come together for a great meeting. We are still looking for some help with preparations and for conducting the meeting; so if any PERS members or others are interested in lending a hand, please contact **Jim Brennan** (jbren@u.washington.edu) or **Jeannie Gilbert** (vjrose@comcast.net). Any assistance would be greatly appreciated. Additional information will be posted on the PERS website as plans develop. So, stay tuned and please join us in Bellingham, WA, on April 2-5. 



GERS News

*Michael A. Poirrier, GERS President
mpoirrie@uno.edu*


I have been busy dodging hurricanes and planning the GERS meeting in New Orleans. After experiencing Hurricane Katrina, the agony of following long-term forecasts and planning for a possible landfall results in a mental state that we New Orleaners refer to as a "Katrina brain." In spite of this affliction, the November 2008 GERS meeting is shaping up with good geographic and multidisciplinary participation.

This newsletter report will focus on goals for GERS. Some of these will be agenda items for future GERS business meetings in New Orleans and Portland; others might be more in the realm of long-term goals, which at this time could be regarded as food for thought and collegial discussion. In any case, please think about them. I am interested in your opinions about these or other issues and need your help in implementing them.

The first item is the election of new officers. Officers currently serve a two-year term, so we need to prepare for an election to have new officers in place for the November 2009 CERF/GERS meeting in Portland, Oregon. Please consider running for an office or supporting a colleague. In addition to the President-Elect and Secretary-Treasurer positions that require a formal vote of the membership, we need a student representative and help with the newsletter and GERS web sites. The election will be by electronic mail during the late summer or early fall of 2009.

Another issue is a possible increase in annual dues. We need to take a close look at our finances. Ours annual dues have been \$10.00 for a long time; and at some point in the future, we will have to either increase dues or reduce services. We have increased the number of student awards that we give each year, and travel and other expenses have also increased. Our web site has been dependent upon volunteer efforts and needs to be updated and made more functional. It might be prudent to pay a skilled professional to maintain it. Most renewals are done using the CERF form, which does not allow lower dues for students. When we discussed this at the Providence meeting, we were reluctant to increase overall dues because of the financial burden on students. We will discuss this again in New Orleans.

Although we have business meetings every year, we currently have GERS meetings with research presentations every two years in the fall. With the increasing number of state and regional meetings on the Gulf Coast, has the role of GERS changed? Should we go back to meeting every year to help maintain our identity and programs or have more joint meetings and help sponsor other Gulf meetings? I feel that we should support other research meetings by disseminating meeting announcements and results. Perhaps GERS should take on the task of compiling sources of abstracts and results of meetings about Gulf coasts and estuaries and Gulf-wide management plans to help researcher and managers stay current. I also feel that GERS should eventually establish a journal for regional publications on Gulf estuaries and coasts or support one or more of the existing regional journals as outlets for significant regional research.

I hope to see you at our New Orleans meeting. Please send me information for our next newsletter. My deadline is December 15, 2008. 

AFFILIATE SOCIETY NEWS




News

Eric Koepfler, SEERS Prsident
eric@coastal.edu

SEERS members are anxiously awaiting our Fall meeting which will be in Tampa, Florida, from November 13-15th. The local arrangement hosts are Dr. **Evan Chipouras**, a past president of SEERS, and Dr. **Lori McRae** (both University of Tampa faculty). The meeting sessions will be held on the campus of the University of Tampa. Our thematic session will focus on climate change issues and is entitled "METRICS AND MODELS OF GLOBAL CHANGE IN ESTUARIES." Our regional speakers in this session will include; **Marguerite Koch** (Florida Atlantic University, Boca Raton), **Linda Walters** (University of Central Florida, Orlando), **Steve Traxler** (U.S. Fish and Wildlife Service), and a South Florida Water Management District representative. We are also working to bring in an "outside the region" scientist to provide broad context and to keynote the session. Our banquet will be held at the Columbia restaurant in the "Latin Quarter" of the Ybor city neighborhood of Tampa. Ybor is named after one of its founders, the cigarmaker Vicente Martinez-Ybor who moved his business from Key West to Tampa in 1886. We are looking forward to exploring the night-life in this vibrant area, where the streets turn from asphalt to brick and the lamp-posts from concrete to ornate wrought iron.

A field trip is planned to visit a Tampa area habitat restoration site, which is also the site of a red mangrove genetic ecology field experiment by **Ed Proffitt** (University of South Florida) and **Steve Travis** (USGS) at Port Redwing near Ruskin, FL (eastern side of Tampa Bay). The site was created by the SWIM program of the S.W. Florida Water Management District in 2004, and includes marine and freshwater wetlands, coastal uplands, and 'deep holes' for fish. This tour will focus mainly on the restoration of the coastal islands.


New elections will soon be held for our Secretary, Treasurer, and Student Representative positions. We will sorely miss our current officers in those positions, who are, respectively, **Sadie Dresher** (South Carolina Dept. of Health & Environ. Control), **Donna Devlin** (Florida Atlantic University), and **Whitney Palefsky** (University of Georgia). Great "kudos" to these colleagues who have all excelled in their jobs. Other SEERS activities being pursued include transferring and revising the SEERS website; updating our insurance status (boring!); beginning to plan our Spring 09 meeting on Tybee Island, GA; and of course starting to get excited about the next CERF meeting in Portland. Aside from those details, we are all happy that the hurricane season left us with relatively little damage this year. 

NEERS News

Pam Morgan, NEERS President-Elect
pmorgan@une.edu

The NEERS meeting this fall will be held at the historic Spring House Hotel on Block Island, just after the Restore America's Estuaries Conference in nearby Providence, Rhode Island. On the afternoon of Thursday, October 16, NEERS is sponsoring a special symposium, entitled "Global Climate Change in Estuaries & Coasts: Impacts and What We Can Do About Them." **Scott Nixon**, from the University of Rhode Island Graduate School of Oceanography, will lead off the speakers, and a panel discussion will conclude the session.

Friday and Saturday morning are packed full of talks and posters, including many that further address the issue of climate change, as well as a variety of other topics. As is NEERS tradition, student talks will be given and posters presented on Friday, followed by the awards ceremony at the Friday night banquet. In addition, NEERS is hosting a special workshop on Saturday morning. Dr. **Christopher Reddy**, of the Woods Hole Oceanographic Institution, will lead the workshop, which will focus on communicating about science to non-scientists. As he explains, "As climate change, evolution, and other scientific issues have gained increasing attention, scientists have been increasingly challenged to communicate their work outside their peer groups. Not only are scientists not trained to do this, they are actually trained in ways that hinder their ability to do it, employing a dispassionate jargon-filled, non-narrative style that often makes them appear inaccessible and out of touch to the public." Dr. Reddy was a Leopold Leadership Fellow in 2006, and participated in intensive communications and leadership training, which he will need to help us NEERSians. The meeting will conclude with a field trip around Block Island, which the Nature Conservancy calls "one of the world's last great places."

Other meeting notes: There will be games and music following the banquet Friday night, and dancing after that (of course!). Elections of new NEERS officers will occur at the Business Meeting. Consider bringing your bike, because Block Island is renowned for its scenic roadways and trails. And finally, chances are good that President **Robert Buchsbaum** could be convinced to lead an early morning or late afternoon bird-watching adventure, so pack your binoculars, too! Thanks so much to **Veronica Berounsky** and **Walter Berry** for planning another great Block Island meeting! 

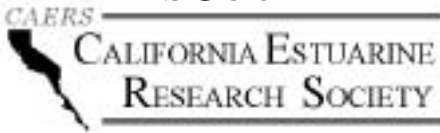
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AFFILIATE SOCIETY NEWS

About



John Largier, CAERS President
jlargier@ucdavis.edu

CAERS to meet in Bodega Bay in March 2009

The California Estuarine Research Society (CAERS) will meet at the UC Davis Bodega Marine Laboratory in 2009. This will follow the wonderful 2008 meeting hosted by CICESE and UABC in Ensenada, Baja California.

CAERS 2009 will start on Monday, 16 March, and run through Wednesday, 18 March. Bodega Marine Laboratory (BML) is near the small town of Bodega Bay, located on a 362-acre coastal reserve. Affordable on-site housing is available in


addition to accommodations and restaurants in town. BML is part of the University of California, Davis. Further information on BML is available at bml.ucdavis.edu.

The scientific program will highlight a *Tomales Bay Research Symposium*, which will be hosted collaboratively with local agencies, including the Gulf of Farallones National Marine Sanctuary. Not only does this build on the CAERS theme of exploring low-inflow estuaries, but it also builds on the peripatetic tradition of focusing part of the scientific discourse at our annual meeting on a local estuary. A field trip to Tomales Bay will be organized. Early expressions of interest for this symposium, or ideas for foci, should be sent to **John Largier** at jlargier@ucdavis.edu.

Additional scientific sessions will be more process oriented, and there will also be a general session. Suggestions are very welcome – please do email suggestions to the organizers prior to the end of 2008. Opportunities will be available for both oral and poster presentation; there will also be opportunities for exhibitors. The conference dinner on Tuesday, 17

March, will be preceded by a reception and additional time to see and discuss posters.

The conference co-chairs are **John Largier** (jlargier@ucdavis.edu) and **Bill Bennett** (wabennett@ucdavis.edu). Volunteers for the conference committee are welcome.

In the meantime, get those CAERS 2008 papers written up and submitted to *Estuaries and Coasts!* 

7th International Flatfish Symposium

Sesimbra, Portugal
2-7 November 2008

FURTHER INFORMATION CAN BE FOUND
ON THE SYMPOSIUM WEBSITE:
www.flatfish2008.fc.ul.pt

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Here at CERF, we all know how vital the sciences (and scientists!!) are. Now the Coalition on the Public Understanding of Science (COPUS) is spreading the word, by declaring 2009 as the *Year of Science*. CERF is proud to be a member of the COPUS network, joining 370+ participating organizations, including the Society of Wetland Scientists, the American Fisheries Society, and the Ecological Society of America. Together, we can make a difference.

“How We Know What We Know”

The scientific community will shine the national spotlight on science in 2009, by celebrating “How We Know What We Know” in a 12-month event: the Year of Science 2009 (YoS09). The goal of this national celebration is to engage the public in science and improve public understanding about how science works, why it matters, and who scientists are. The 12 scientific themes are as follows:

Scientific Themes

- January - Process & Nature of Science
- February - Evolution
- March - Physics and Technology
- April - Energy Resources
- May - Sustainability & Environment
- June - Oceans and Water
- July - Astronomy
- August - Weather and Climate
- September - Biodiversity and Conservation
- October - Geosciences and Planet Earth
- November - Chemistry
- December - Science and Health

Why?

The Year of Science celebrations are led by participants in the Coalition on the Public Understanding of Science (COPUS), a grassroots network composed of more than three hundred participating organizations representing universities, scientific societies, science centers and museums, government agencies, advocacy groups, media, educators, businesses, and industry - formed in response to recent concerns about national scientific literacy.

2009 Anniversaries & Celebrations in Science

- 200th anniversary of the birth of Charles Darwin and the 150th anniversary of the publication of his *On the Origin of Species*
- 200th anniversary of the birth of Abraham Lincoln, founder of the National Academy of Sciences
- 400th anniversary of Galileo’s first use of a telescope to study the skies
- 400th anniversary of the publication of Johannes Kepler’s first two Laws of Planetary Motion
- International Year of Astronomy - rediscover the universe through the sky and engage your personal sense of wonder and discovery; www.astronomy2009.org/
- International Year of Planet Earth - fostering outreach and research activities to raise public and political awareness of the vast potential of Earth sciences for improving the quality of life and safeguarding the planet; www.yearofplanetearth.org/

www.YearofScience2009.org

January 1, 2009 - December 1, 2009

CSCOR Update: Dead Zones, Super Suckers, and More...

Courtney Bogle, Outreach Specialist
NOAA, Center for Sponsored Coastal Ocean Research
Courtney.Bogle@noaa.gov

NOAA's Center for Sponsored Coastal Ocean Research (CSCOR) supports research programs that provide the critical information and predictive capabilities required to manage the nation's coastal resources in an ecosystem context. CSCOR identifies national research priority issues on behalf of the National Centers for Coastal Ocean Science (NCCOS) and the National Ocean Service and addresses these issues via a stressor-based or regional ecosystem approach. Here are some highlights from the last several months:

Near Record Gulf of Mexico Dead Zone Documented

CSCOR-supported scientists from the Louisiana Universities Marine Consortium (LUMCON) documented the size of this year's Dead Zone as 20,721 km², the second largest since measurements began in 1985. This represents a land area greater than the state of Massachusetts, and is slightly lower than forecast predictions. Over the past five years, the Dead Zone has averaged 17,010 km², substantially larger than interagency Gulf of Mexico/Mississippi River Watershed Nutrient Task force goal of reducing the Zone to 5,000 km².

This past summer, a CSCOR-supported forecast model developed by Louisiana State University scientists predicted this year's Dead Zone would be a record-breaking 23,000 km². Another CSCOR-supported forecast model by the University of Michigan also predicted a record Dead Zone that would measure between 21,530 and 22,568 km². These model estimates were based on high nitrogen loads and high freshwater flows from the Mississippi and Atchafalaya Rivers during the spring. The difference between the measured and predicted size of the Dead Zone can be attributed to Hurricane Dolly, which partially disrupted the Dead Zone. Winds and waves associated with outer bands of the hurricane re-aerated parts of the bottom waters in portions of the Dead Zone just before measurements were taken, especially near shore and along its western edge. National Marine Fisheries Service (NMFS) groundfish surveys (SEAMAP project) conducted prior to the LUMCON cruise found widespread hypoxia that extended well into Texas waters, confirming that the Dead Zone area was reduced substantially by Hurricane Dolly.

For more information contact Alan.Lewitus@noaa.gov, or see our current feature story on the CSCOR website: http://www.cop.noaa.gov/stressors/pollution/features/DeadZone_7_08.html.

Super Sucker to Become Operational, Improve Coral Reef Health

The Hawaii State Legislature has budgeted roughly \$256,000 for the operation of an underwater vacuum, the "Super Sucker," that removes invasive algae from coral reefs. CSCOR-supported researchers helped develop this tool in


partnership with the Nature Conservancy and Sea Grant. Now, increased funding from the state will allow for full-time application of the Super Sucker to manage coral reef threats. Currently, Kane'ohe Bay in Honolulu, Hawaii, has one of the worst invasive-algae problems in the Islands, with overgrowth of algae choking coral reefs. This innovative, yet disarmingly logical approach works by having divers feed algae into a vacuum tube that then deposits the algae onto a barge, where it can be sorted by workers. Any incidentally sucked up animals and water are returned to the sea. The algae is then recycled and used as a fertilizer for taro crops.

The Super Sucker has demonstrated its value to the health of coral reefs, and now a new generation of smaller suckers has been developed across the Hawaiian Islands. The Super Sucker is run by a partnership between Department of Land and Natural Resources, The Nature Conservancy, and the University of Hawai'i. Kane'ohe Bay provides numerous marine resources, including coral reef communities that have commercial, subsistence, and recreational uses. Government, scientists, non-governmental organizations, and citizens are working together to develop unique solutions for saving coral reefs being smothered by invasive algae.

For more information, contact Felix.Martinez@noaa.gov. To see a newspaper report highlighting the progress of this work, visit: <http://www.honoluluadvertiser.com/apps/pbcs.dll/article?AID=/20080610/NEWS11/806100352-1/BACKISSUES>.

Interagency Reports Released to Congress, Aim to Reduce Impacts and Improve Management of HABs

Two Interagency reports, the *Scientific Assessment of Freshwater Harmful Algal Blooms* (Freshwater HAB Report) and the *Harmful Algal Bloom Management and Response: Assessment and Plan* (HAB Management and Response Report) have been released to Congress. The Freshwater HAB Report presents a plan to minimize adverse health, environmental, and economic impacts of freshwater harmful algal blooms (HABs) and assesses the freshwater HAB problem in the United States — setting research priorities to improve management of these events. The HAB Management and Response Report proposes a program focused on developing and implementing strategies for prevention, control, and mitigation of HABs, improving HAB event response nationally, and improving the access to and availability of core infrastructure.

These reports are the second and third of five reports mandated by Congress in the 2004 reauthorization of the Harmful Algal Bloom and Hypoxia Research and Control Act (HABHRCA). The reports were written under the aegis of the Joint Subcommittee on Ocean Science and Technology's Interagency Working Group on HABs, Hypoxia, and Human Health with organizational and editorial support from NOAA's Center for Sponsored Coastal Ocean Research. For more information, visit <http://www.cop.noaa.gov/stressors/extremeevents/hab/habhrca/> or contact Quay.Dortch@noaa.gov. 

CERF Staff — Goodbyes and Hellos

Joy Bartholomew, Executive Director
jbarth@erf.org

Summer has been a season of change at the Federation's headquarters. Our long-time chief operations officer, **Janet Barnes**, has decided to move on to greener (and wetter) pastures! Janet is going back to her research roots, joining the Alliance for Coastal Technologies at the Chesapeake Biological Lab. Her contributions to the Coastal and Estuarine Research Federation over the past eight years have been immeasurable and she will be greatly missed.

In August, we said hello to two new staff members, **Alejandra "Ally" Doughty**, Program Manager, and **Susan Helmrich**, Office Manager. Ally's primary duties will be to support CERF conferences, fundraising, governing board meetings and the website. She has previously worked at two not-for-profit organizations, where she specialized in membership management. Susan will work on headquarters administrative business and will be the coordinator of the *Newsletter*. She has great administrative experience, with emphasis on computer-related skills, project coordination, and technical writing.



Susan Helmrich
CERF Office Manager




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Ally can be reached at 410-326-7467 or via email at ally@erf.org. Contact Susan at 410-326-7470 or by email at susan@erf.org. As always, we are here to serve you, our members. We welcome your comments and suggestions. 

CERF Members Contribute to National Research Council Committee on Best Practices for Shellfish Mariculture

Shellfish is a very important sector within the US mariculture economy. Shellfish is also one of the most environmentally sustainable aquacultures in the sense that filter-feeding shellfish do not require food supplements from animal protein. CERF members contributed to the NRC's efforts to address the best practices for shellfish mariculture to reduce other potentially negative impacts of shellfish culture.

The Committee met in September in Mill Valley, California, to hear scientific presentations and take public comment, including on the Drakes Estero Oyster Company's operations within the Pt. Reyes National Seashore.


The committee was led by **Pete (Charles) Peterson** and served by **Brett Dumbault**, **John Largier**, **Steve Rumrill**, and **Susan Williams** made presentations to the committee. 

Ocean Policy Priorities for a New United States Administration and Congress

Recommendations from the Joint Ocean Commission Initiative

The Joint Ocean Commission Initiative—a bipartisan collaborative effort of the U.S. Commission on Ocean Policy and the Pew Oceans Commission—makes the following recommendations to catalyze meaningful ocean policy reform. In a recent press release, the Joint Initiative's leaders, Leon Panetta and James Watkins, strongly urged the incoming administration, as one of its earliest initiatives, to adopt the following agenda for action:

1. Establish a coherent national ocean policy and improve federal coordination of ocean science and resource management in order to protect, maintain, and restore ocean health and enhance economic opportunities.
2. Invest in ocean science to rebuild capacity for research so that we can better understand and predict climate change and its impacts on oceans and coastal economies.
3. Bolster U.S. international leadership by acceding to the Law of the Sea Convention in order to secure the country's economic and national security and reestablish the United States as the preeminent steward of ocean health.

For more information see www.jointoceancommission.org. 

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W. R. Boynton, J. D. Hagy, J. C. Cornwell, W. M. Kemp, S. M. Greene, M. S. Owens, J. E. Baker and R. K. Larsen. Nutrient Budgets and Management Actions in the Patuxent River Estuary, Maryland

Jian Shen, Taiping Wang, Julie Herman, Pam Mason and Gretchen L. Arnold. Hypoxia in a Coastal Embayment of the Chesapeake Bay: A Model Diagnostic Study of Oxygen Dynamics

Anne E. Thessen and Diane K. Stoecker. Distribution, Abundance and Domoic Acid Analysis of the Toxic Diatom Genus *Pseudo-nitzschia* from the Chesapeake Bay

Amy E. Kunza and Steven C. Pennings. Patterns of Plant Diversity in Georgia and Texas Salt Marshes

Catherine L. Bonin and Joy B. Zedler. Southern California Salt Marsh Dominance Relates to Plant Traits and Plasticity

Karen L. Bushaw-Newton, Danielle A. Kreeger, Sarah Doaty and David J. Velinsky. Utilization of *Spartina* - and *Phragmites* - Derived Dissolved Organic Matter by Bacteria and Ribbed Mussels (*Geukensia demissa*) from Delaware Bay Salt Marshes

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Larry Buckley, Jeremy Collie, Lisa A. E. Kaplan and Joseph Crivello. Winter Flounder Larval Genetic Population Structure in Narragansett Bay, RI: Recruitment to Juvenile Young-of-the-Year

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Brian Fry. Open Bays as Nurseries for Louisiana Brown Shrimp

Jonathan C. P. Reum and Timothy E. Essington. Seasonal Variation in Guild Structure of the Puget Sound Demersal Fish Community

Amanda Thronson and Antonietta Quigg. Fifty-Five Years of Fish Kills in Coastal Texas



Photo by John Bragg

Metcalf marsh mudflats at high tide. Entrance to the South Slough of the Coos River, OR. See related story on page 10.

Coastal Cities Summit: Values & Vulnerabilities

17-20 November 2008

The TradeWinds Island Resorts

St. Petersburg, Florida, USA

Bringing together public officials, nongovernmental organization, citizens, and natural and social scientists to consider the values and vulnerabilities of coastal regions around the globe.

Organized by the **International Ocean Institute - USA.**

FOR MORE INFORMATION AND TO REGISTER GO TO:

www.coastalcities.org

Also see: <http://www.stpt.usf.edu/ioiusal/conference.htm>


web-based content management systems can be exploited to manage information in a networking context, but offer additional functionality. The taxonomic community has already begun using these environments in the form of EDIT scratchpads (<http://scratchpads.eu/about>). The Encyclopedia of Life, an effort to create a web page for all 1.8 million described species within ten years, will promote networking between scientists through Drupal-based LifeDesk environments modeled on the successful European EDIT scratchpads. As the Encyclopedia of Life matures, it can become an example of what can be achieved through community involvement, innovative algorithms and semantic web technology.

Web-based Curation Challenge

Improving scientific analysis through web-based data curation is not a new idea. Many efforts at online data management failed primarily because of the initial and continuing investment required to mobilize data sets and to build them into grander structures. The investment is essential, but can be distributed across many collaborators and across a longer period of time. The key to building a successful data curation environment is providing a service such that the community has a vested interest in seeing the project grow and continue. Contributions to the curation environment must be immediately (or nearly so) available to the contributor with value-added.

Another important component of building successful online data management systems is funding. Many efforts have failed for financial reasons after functioning for several years, leaving their contributors with no return on their initial investment. Mirroring between related sites can offer some immunity to funding gaps by removing the single point of failure. In other words, if data are uploaded

and displayed on multiple sites, they don't disappear from the community if the owner retires or loses funding. An easy argument to make to a funding agency is that good data management practices will result in synergies between projects, which will give more results per research dollar. The challenge then becomes practicing thorough curation without reducing new scientific productivity. Again, the answer becomes funding in the form of employing information scientists within the lab group who can automate curation tasks.

Ideal data management will ensure viability of and easy access to large (and often expensive) data sets well into the future. This is not encouraged by the current system of publication of data processed into a graph or table. Often unprocessed data is far more useful to other researchers who are trying to synthesize data for a region of interest or put their work in context. Unfortunately, these data are usually kept in a binder or an often outdated PC after publication and are rarely maintained or accessible. Scientists need to develop a process for data curation that ensures long-term accessibility and viability. Biologists especially need to adopt innovative computing strategies to build a new framework for understanding their results. There may be vast disagreement about how data are to be shared, but one certainty is that the current system loses information and is therefore inadequate. 

Society of Wetland Scientists Annual Meeting

22-26 June, 2009

Madison, Wisconsin

Call for Abstracts Now Open

VISIT WWW.SWS.ORG FOR MORE INFORMATION

THE MISSION OF THE FEDERATION

The Federation advances understanding and wise stewardship of estuarine and coastal ecosystems worldwide. Its mission is to:

- Promote research in estuarine and coastal ecosystems
- Support education of scientists, decision-makers and the public
- Facilitate communication among these groups

Upcoming Affiliate Society Meetings

Society	Dates	Location
ACCESS	13-15 May 2009	University of Prince Edward Island, Charlottetown, PEI
AERS	6-8 Nov 2008	George Mason Univ, Fairfax, VA
CAERS	16-18 March 2009	Bodega Bay, CA
GERS	5-7 Nov 2008	University of New Orleans, LA
NEERS	16-18 Oct 2008	Block Island, Rhode Island
PERS	2-5 April 2009	Bellingham, WA
SEERS	13-15 Nov 2008	Tampa, FL

For detailed information, please check the Affiliate Societies' websites via www.erf.org. Choose the Affiliates button on the left sidebar.

News from the Federation's Member Services Staff

CERF Member Services
membership@erf.org

Greetings CERF Members!

It's fall and that means CERF membership renewal time. We look forward to receiving your 2009 renewal (or your 2-year renewal) and to continuing to serve you from the member services office.

We encourage you to renew online - it's fast, easy and reliable!

Simply log on to CERF Member Services through www.erf.org. Of course, if you prefer to renew by mail, use the form located inside the back page of this newsletter.

Membership is EVERY member's business - please pass out invitations!

Guess what people say is the main reason they do not belong to an organization? Nobody asked them to join! People especially like to be asked to join by people they know and respect — that's you! Our members!

As a member you *know* how much you benefit from the high quality information you get from the Federation's strong peer network, excellent journal, lively conferences and Affiliate Society meetings.

Please tell your colleagues and students about these good things that CERF membership brings and invite them to become members. We would love to welcome them into the Federation family. Your invitation will help make the Federation a stronger society for all of us.

Electronic format only, but printed journal is available, too. Just ask for it!


The journal is now available to you at any time in an electronic format. You can also choose to receive the printed journal at no additional charge. If you want to receive the printed journal, be sure to indicate your preference when you renew.

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Thanks!!

Thanks for your membership! Be sure to let us know if we can help you or answer any questions. Please renew today and continue to receive your excellent Federation member benefits. 



Save the Dates!

20th Biennial Conference of the
Coastal and Estuarine Research Federation
CERF 2009

*Coasts and Estuaries
in a Changing World*

Portland, Oregon, USA
1-5 November 2009

*Abstract Submittal Opens February 2009
Deadline: 23 May 2009*

For more information, go to the
CERF website www.erf.org or contact:

Bob Bailey, CERF 2009 Co chair bob.bailey@state.or.us

Mike Graybill, CERF 2009 Co chair mike.graybill@state.or.us

Bob Emmett, CERF 2009 Scientific Program Chair
Robert.Emmett@noaa.gov

Walt Nelson, CERF 2009 Poster Presentation Chair
nelsonwalt@epa.gov



CERF Membership Form 2009

Membership forms received before September 1 are for the current year, those received after September 1 will be applied to the following year unless otherwise requested. Please note that the first issue of the journal is available in January.

For more information please visit www.erf.org

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- California Estuarine Research Society (CAERS).....\$10.00 \$ _____
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- New England Estuarine Research Society (NEERS).....\$20.00 \$ _____
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- Mainly research Research/teaching
- Management Mainly teaching

Areas of Expertise

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- Geology GIS & Remote Sensing
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The Coastal and Estuarine Research Federation publishes the scholarly journal *Estuaries and Coasts*, six times per year. The following table of contents is for the fifth issue of the Journal for 2008. It is reprinted here as a service to *Newsletter* readers and is also available at www.springer.com/CERF.

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David Samuel Johnson and Brita Juliet Jessen. Do Spur-Throated Grasshoppers, *Melanoplus* spp. (Orthoptera: Acrididae), Exert Top-Down Control on Smooth Cordgrass *Spartina alterniflora* in Northern New England?

Alejandro D. Canepuccia, Maria S. Fanjul, Eugenia Fanjul, Florencia Botto, Oscar O. Iribarne and Consejo Nacional de Investigaciones Cientificas y Técnicas (CONICET), Departamento de Biología (FCEyN), Universidad Nacional de Mar del Plata, Mar del Plata, Argentina. The Intertidal Burrowing Crab *Neohelice* (= *Chasmagnathus*) *granulata* Positively Affects Foraging of Rodents in South Western Atlantic Salt Marshes

John K. Carlson, Michelle R. Heupel, Dana M. Bethea and Lisa D. Hollensead. Coastal Habitat Use and Residency of Juvenile Atlantic Sharpnose Sharks (*Rhizoprionodon terraenovae*)

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James A. MacDonald, Terry Glover and Judith S. Weis. The Impact of Mangrove Prop-Root Epibionts on Juvenile Reef Fishes: A Field Experiment Using Artificial Roots and Epifauna

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Emmanuel Lamptey and Aya Kojo Armah. Factors Affecting Macrobenthic Fauna in a Tropical Hypersaline Coastal Lagoon in Ghana, West Africa

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