

ECSA Newsletter, December 2012 (No. 14)

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MESSAGES FROM ECSA / ECSA EVENTS

Wanted! ECSA Councillors

One important way for ECSA members to play a significant role in guiding the organization is through taking part in the activities of the ECSA Council.

During the next ECSA AGM (to be held on the 10th of April 2013 at the UK local meeting in Swansea) a number of vacancies on ECSA Council will arise due to Councillors completing their term of office. Positions on ECSA Council last for a 3-year term.

Please, **send your nominations to the ECSA Secretary** (Mark Fitzsimons, <u>mfitzsimons@plymouth.ac.uk</u>) **by 1**st **of January 2013**, or contact him by e-mail or phone (+44 1752 584555) if you are interested and would like to discuss what is involved.

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Find us on Facebook and Twitter

ECSA is now on Facebook and Twitter!

For the latest news and information from the ECSA please follow our twitter feed or join the ECSA community through our facebook group (the latter being open to student members only).



@ECSAssociation



ECSA Students – Estuarine and Coastal Sciences Association

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New membership rates and offers 2013/14

Being an ECSA member gives you a number of privileges:

- You are kept informed on what's going on in the estuarine and coastal marine sciences community through the ECSA Bulletin, that is sent to you twice yearly;
- You are kept up-to-date on the forthcoming events and opportunities relevant to people
 working on or interested in estuaries and other coastal environments through the ECSA
 electronic newsletter, sent to you thrice yearly;
- You are entitled to discounted registration fees for ECSA-related conferences, local meetings and workshops;
- You can access to small grants offered by ECSA to its members to cover travel to conferences, attendance at training workshops or travel for small research projects;
- You are entitled to discounts on the subscription to the journal Estuarine and Coastal Shelf Science and other ECSA-related scientific publications.

As an ECSA member you can also actively contribute to the organization activities and decisions, by nominating the ECSA Councillors, Officers and Trustees, voting on any resolution submitted to the Annual General Meeting (AGM), and being eligible to any office in the Association.

The annual membership for 2013-14 is due by 1st April 2013. Please note that , starting from this subscription, the following updated rates will apply:

Regular Rates (from April 2013)

Category of Membership	Yearly payment by Banker's (Standing) Order only	Yearly payment by all other means (Credit card, cheque, bank transfer, PayPal)
Member	£35	£36
Student member (annual)	£14	£15
Institutional member	£100	£100
Sponsoring member	£250	£250
Student member (3 years)	£30	£30

Please, make sure that you will give the correct amount with your next payment, and, if you are paying by standing order, remember to amend it.

If you have any query about your membership, please contact the ECSA Membership Treasurer at the following numbers/address:

Dr Clare Scanlan, SEPA, Inverdee House, Baxter Street, Torry, Aberdeen AB11 9QA, Scotland, UK

Tel: +44 (0)1224 266617 Fax: +44 (0)1224 896657 Email: <u>clare.scanlan@sepa.org.uk</u>

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ECSA Local Meeting in Swansea (UK), 08-12 April 2013



ECSA Local meeting on the Problems of Small Estuaries 8-12 April 2013 Swansea University, Wales



The registration and abstract submission for the symposium "**Problems of Small Estuaries**" on 8-11 April 2013 in Swansea is now open.

http://www.swansea.ac.uk/seacams/symposiumontheproblemsofsmallestuaries/

The symposium follows an event in 1976 with the title 'Problems of a Small Estuary'. It was a gathering of scientists and managers who discussed issues affecting the Burry Inlet and Loughor Estuary (South Wales, UK).

The 2013 Symposium, co-hosted by the ECSA and SEACAMS, will broaden the subject and focus on understanding long-term changes in estuaries and current challenges. Impacts from both the seaward and catchment side have changed. Conservation measures have improved the conditions of some elements of the ecosystem, while other anthropogenic and natural impacts have intensified. Short-term effects are nested in long-term trends, and there are still gaps in our understanding of fundamental processes in these transitional water bodies. The symposium aims to showcase current work and identify future directions of research.

The University of Swansea will host also the ECSA Annual General Meeting (AGM) on the 10th of April 2013.

Organiser: Dr Ruth Callaway, Research Officer - Centre for Sustainable Aquatic Research College of Science SEACAMS Project (Sustainable Expansion of the Applied Coastal and Marine Sectors), R.M.Callaway@swansea.ac.uk



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ECSA53 in Shanghai (China), 13-17 October 2013



Organised by

Submit abstracts by 12 April 2013



Abstracts for oral and poster presentations are invited on the below topics and should be submitted using the <u>online submission system</u>.



ECSA's next major Symposium, **ECSA 53: Estuaries and coastal areas in times of intense change** will take place in partnership with the State Key Laboratory of Estuarine and Coastal Research (SKLEC) at East China Normal University, Shanghai, China.



The close links between ECSA and Elsevier (<u>Estuarine Coastal and Shelf Science</u>) have already proven to be very beneficial and based on that historical success we propose to further intensify our long lasting co-operation. This time this co-operation is to organize a meeting in a part of the world from where we expect further excellent scientific results: China.

The fast economic growth and related human activities in China during the last few decades are dramatically influencing the environment, from river catchments to estuaries and seas; and natural phenomena further amplify these effects. One of these rapidly changing systems is the Yangtze

estuary, with Shanghai, the largest city in China, located close to it. The Yangtze is the 3rd largest river in the world, and constitutes an excellent case study for large scale impacts on ecosystems due to human activities and an excellent place for one of the major global events in 2013.

Conference Topics

- Environmental challenges and remediation in view of climate change and related phenomena
- Effects of dams on water resources management and on geomorphology/erosion/sedimentation in estuaries and coastal areas
- Effects of engineering constructions within estuarine systems on geomorphology and sediment input from catchment and sea
- Estuarine Wetlands, their restoration, rehabilitation and use as natural filter
- Eutrophication, anoxia and harmful algal blooms
- Technological advances for monitoring and managing heavily modified estuaries
- Economic development and ecological and socio-cultural risks: the socio-cultural-economicecology interface
- Biogeochemical cycles of bio-relevant materials from land and sea
- Estuarine ecosystem 'health'
- Detecting change: technical developments in monitoring
- Strategies for improved estuarine management
- Special sessions
- Writing, refereeing and publishing papers

Conference Chairs

Prof. Victor N. de Jonge, Institute of Estuarine and Coastal Studies, Netherlands, The University of Hull, UK

Prof. Dr. Yunxuan Zhou, State Key Laboratory of Estuarine and Coastal Research, East China Normal University, China

Why you should be there: Attendance at this conference will enable you to:

- Access unique, high-quality content
- Profit from the inter-disciplinary and multi-disciplinary character of the conference: hear
 world class speakers and leading researchers on all aspects of estuarine and coastal
 marine science, as well as on the application of science for conservation and
 environmental management
- Gain an understanding of about other marine, coastal and transitional systems worldwide
- Catch up on new state of the art techniques, and, at the same time, appreciate the constraints of the science and the management
- Present your latest research
- Network with an interdisciplinary group including researchers from all fields related to estuarine and coastal marine science

Registration

Early Bird Deadline - 28 June 2013

Standard rate student	300.00 USD
Early bird ECSA members	480.00 USD
Early bird non ECSA members	690.00 USD
Standard rate ECSA members/non members	830.00 USD

Inclusions:

- Access to conference sessions, posters and exhibition area
- Conference materials including abstract book
- Lunch will be included Monday-Thursday
- Mid-session refreshments as scheduled in the conference programme
- Welcome Drinks Reception on Sunday 13 October 2013

Important Conference Deadlines

Abstract Deadline 12 April 2013
Author Notification Deadline 31 May 2013
Author Registration Deadline 28 June 2013
Early Bird Deadline for ECSA Members and Non-Members 28 June 2013

Further information is available in the conference website: http://www.estuarinecoastalconference.com/beta/index.html

Commercial Opportunities

An exhibition will run alongside the conference sessions. Space is available on a first-come, first-served basis. In addition a range of sponsorship opportunities are available.

For full details please contact:

Laurence Zipson Tel: +44 1235 528881

Email: laurence@lzconsult.com

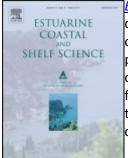
Conference Supporting Journals

Ocean & Coastal Management is an international journal published 12 times per year dedicated to the study of all aspects of ocean and coastal management at international, national, regional, and local levels.

Sustainable development and conservation of ocean and coastal resources requires the insights of a number of monodisciplinary, multidisciplinary as well as integral studies and approaches. The different disciplines may range from the natural and physical sciences to the social sciences, policy analysis, economics, and law.

Articles from all relevant disciplines are invited, but all contributions must make clear the explicit link between fundamental concepts and the central improvement of management practice.

Comparative studies (e.g. sub-national, cross-national, to other policy areas) are encouraged, as are studies assessing current management approaches. Articles involving analytical approaches, development of theory, and improvement of management practice are especially welcome.



Estuarine, Coastal and Shelf Science is an international multidisciplinary journal devoted to the analysis of saline water phenomena ranging from the outer edge of the continental shelf to the upper limits of the tidal zone. The journal provides a unique forum, unifying the multidisciplinary approaches to the study of the oceanography of estuaries, coastal zones, and continental shelf seas. It features original research papers, review papers and short communications treating such disciplines as zoology, botany, geology, sedimentology, physical oceanography.

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ECSA Special Session within the 8th SedNet Conference (Portugal), November 2013

8th international SedNet conference 'Innovative sediment management - how to do more with less?'

6-9 November 2013 at LNEC, Lisbon, Portugal

ECSA hosts a special session "Changing Hydrodynamics of Estuaries and Tidal River Systems"

Session organizers: Kate Spencer and Andrew Wither

The Estuarine and Coastal Sciences Association, ECSA, will be hosting a special session at next year's SedNet conference in Portugal. The session will be presented by 3 keynote speakers from ECSA with expertise in estuarine hydrodynamics, contaminant processes and ecology. They will outline current knowledge and tools for understanding and predicting changing hydrodynamics in estuarine systems and explore the implications this may have for the fate of contaminants and nutrients and the ecological status of estuaries. The presentations will be followed by a discussion of the gaps in scientific and technical knowledge and the short- to medium-term consequences for management. There will also be a poster/oral session dedicated to the theme.

More information to be followed.

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OTHER FEATURES/EVENTS OF INTEREST

External Ring Tests for quality Control



The UK National Marine Biology Analytical Quality Control (NMBAQC) scheme was originally set up to ensure quality for benthic invertebrates analysis for the UK national marine monitoring plan. Since then, the scheme has expanded gradually and currently covers benthic invertebrates and associated particle size analysis; fish; phytoplankton; rocky shore macroalgae identification and macroalgal blooming (estimation of percent cover and biomass). The scheme is open to anyone. Taxa in ring tests cover those likely to be found around the British Isles. Different components run at different times of year.

Details of the different components of the scheme, and application forms can be found on the NMBAQC website at http://www.nmbaqcs.org/.

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Marine Invasive Species Article



Alien Numbers Increasing

As English law makers consider following Scotland's lead in allowing the culling of invasive species, how has the new Directive taken hold North of the Border since its introduction last year?

The Wildlife and Natural Environment Scotland (WANE) Act 2011 was arguably one of the most substantial pieces of legislation affecting wildlife and land management passed in recent years. It

seeks to modernise game laws, introduce new wildlife offences and create a new regime for regulating invasive and non-native species.

Invasive species are thought to inflict more than 1.12 trillion Euros in damage per annum across the world; often in hidden costs such as the development of new substances to control or eradicate the invasive species. They can also have a significant impact on local animal populations, for example grey squirrels reducing native red squirrel numbers and American crayfish ousting our native white clawed crayfish.

The new regulations will allow species to be added to an 'emergency list' if an invasive species is discovered and takes hold quickly. They require people to notify authorities if they discover or

become aware of an invasive species, and the Act includes the provision of species control orders to require people to tackle invasive species on their land and on vessels at sea.

Local expert, Dr Elizabeth Cook, comments "As global mobility has increased, we've been trading more internationally and much of that trade travels by sea. It's very easy for invasive species to take hold; particularly in the marine environment, by hitching a ride on the hulls of ships. In addition, since a chemical called TBT was banned in paint, hulls are now easier for species to hitch a ride on."

Dr Cook is a biologist at SAMS (the Scottish Association for Marine Science) and has been involved in national research on invasive species for the NERC Oceans 2025 project and the Marine Aliens programme. She adds "the Act is a major step forward in helping us tackle this growing problem. The Code of Practice issued in July assists people in understanding their role in the process, but we need to acknowledge that the only way people can notify Government of a particular invasive species is to be able to accurately identify them. This is something we're trying to do at SAMS and have been working with the Firth of Clyde Forum and Scottish Natural Heritage to help spread the word."

Dr Cook presented two half-day workshops covering Marine Invasive Species for the Firth of Clyde Forum last week, with almost 40 people attending from a variety of industries. It's planned that SAMS will run more of these workshops and Dr Cook is also hosting a two day course in the subject for people wanting more in-depth identification knowledge. With a recent report estimating that 20% of the world' invertebrates are now endangered, for reasons ranging from pollution and overharvesting to the effect of invasive species, perhaps it's time England did follow suit with legislation to make a difference?

For further information on Dr Cook's work, or her courses on marine invasive species identification, please visit http://www.sams.ac.uk/education/short-courses/marine-invasive-species, or email SAMSCourses@sams.ac.uk.

For further information regarding this press release, please contact Joanne Allday at the Scottish Association for Marine Science.

e. joanne.allday@sams.ac.uk

Photo: Male Caprellids (Skeleton Shrimps) a non-native species, billions of which can be found on the West Coast of Scotland in the summer.

* Sources

http://www.legislation.gov.uk/asp/2011/6/part/2/crossheading/nonnative-species-etc/enacted http://www.independent.co.uk/environment/nature/facing-disaster-the-little-things-that-rule-the-world-8096828.html

http://www.bworldonline.com/weekender/content.php?id=57660

Joanne Allday MA FCIM
Marketing Manager, Education



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Advanced Course on GLM & GAM using R, February 2013



Provided by: Highland Statistics Ltd

Organized by: Dr José Paulo Sousa. Instituto do Mar - IMAR Universidade de Coimbra

Date: 4 - 8 February 2013

Venue: Department of Life Sciences – University of Coimbra. Portugal

Price: 650 Euros

Maximum participants: 30

The instructors of this course, Dr. Alain Zuur and Dr. Elena leno, have published 4 books. They have provided over 125 courses worldwide.

Information and registration at: http://www1.ci.uc.pt/imar/mvs 13/

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Women in Science

From: Linda A Marshall

Sent: 27 November 2012 15:20 **Subject:** women in science

There are a range of courses available on the blog below including one on 'Communication and Impact for Female Early Career Researchers'. Support funding is available if you are interested in attending.

http://www.biosciencecareers.org/p/education-policy-careers-meetings.html

Linda Marshall Senior Staff Development Advisor

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Euro-Mediterranean conference on management of artificial reefs, February 2013



Dear Sir or Madam,

The city of Marseille and its partners are pleased to invite you to the **Euro-Mediterranean conference on management of artificial reefs** which will be held in Marseille (France), Palais du Pharo, from 5 to 8 February 2013.

The objectives of this seminar:

- * to exchange on management of artificial reefs and resources;
- * to create a time of meeting for promoters, managers, scientists, fishermen, environmental educators and all stakeholders;
- * to share experience on our projects;
- * to elaborate concrete proposals.

You can already register here: registration http://www.promosciences.com/recifs2013/inscription_en.html or http://www.promosciences.com/recifs2013/index_en.html

We are looking forward to meeting you at this seminar. Please feel free to forward this email to all your partners and contacts.

Best regards,
The steering committee

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First International Fisheries Symposium, March 2013



The First International Fisheries Symposium will be held on 24-27 March 2013 in Northern Cyprus.

Topics will include:

- Demersal Fishery
- Pelagic Fishery

- Aquaculture
- Fishing Technologies
- Fish Processing
- Climate Change
- Species Ecology and Reproductive Biology
- Population Dynamics
- Conservation

Further information available at the website: www.cyprusmarinesymposiums.com

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TIDE Final Conference, April 2013



TIDE final conference



Estuaries are both ecological systems of high value being protected by European and national nature legislation and at the same time arteries for the economic growth of regions as they are used as shipping channels towards major seaports. They also deliver important goods and services to society, for example recreational space or a buffer against flooding. Estuaries are subject to many anthropogenic uses that may cause changes in hydrodynamics, habitat loss, and nutrient and pollutant levels – changes that may even be amplified by the effects of climate change.

Therefore the sustainable management of these complex and dynamic systems means a huge

challenge to their managing authorities.

Within the INTERREG IV B North Sea Region project "TIDE – Tidal River Development" partners from environment agencies, port authorities, universities and waterways administrations from the Elbe (DE), Weser (DE), Scheldt (BE/NL) and the Humber (UK) estuary have joined forces during the last three years in order to develop tools and strategies to support estuary managers. This partnership has carried out numerous interdisciplinary and inter-estuarine comparative studies on natural processes and management systems. This project has developed a web-based toolbox of valuable knowledge, management methods and good practises.

Scientists, managers, policy makers and stakeholders involved in estuarine management are invited to participate in this conference which will present and discuss methods to address the challenges of estuarine management. It will include a panel discussion and presentations of leading international experts & decision makers.

Please save the date for this international conference on estuarine management!

Venue: Patriotische Gesellschaft Hamburg, Trostbrücke 4-6, 20457 Hamburg, Germany

Organisation: Hamburg Port Authority

Date: 23rd – 25th April 2013

Registration to open soon. **Conference Fee:** 50,-€

www.tide-project.eu finalconference@tide-project.eu



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GeoHab 2013, May 2013

GeoHab (Marine Geological and Biological Habitat Mapping) annual forum brings together 80-120 geologists, biologists, acousticians, statisticians, spatial analysts and environmental managers from around the world who are developing new methods and procedures to link remotely sensed data with seafloor geology and marine biology within a geo-spatial environment. GEOHAB provides a truly multidisciplinary and exciting forum for the exchange of knowledge and ideas that underpin sustainable ocean management. Because of the small number of delegates and the focused topics, the GEOHAB conferences are organised as an informal, single-stream session, which encourages dialogue between delegates and exhibitors.

Dates: 6th to 10th of May, 2013

Venue: The 2013 GeoHab conference will be hosted by the Geological Survey of Italy at the Italian National Research Council (CNR) Headquarters, within easy walking distance of all major facilities.

GeoHab 2013 welcomes oral and poster presentations covering a wide range of aspects related to habitat mapping.

Themes: The main theme of this year's conference is "MULTIDISCIPLINARY AND MULTISCALAR APPROACHES TO HABITAT MAPPING"

Additional key themes will depend on abstract submission but could include:

- National Seabed Mapping Programs
- Predictive Habitat Modeling
- Geoscience Characterization of the Seabed for Environmental Assessment of Marine Renewable Energy Activities
- Habitat mapping in geologically complex areas, with examples from the Mediterranean Sea
- Linking science to marine policies for conservation. Experience and forthcoming strategies
- Advances in Technology and Methodology for Mapping Habitats
- Deep-Sea Habitats
- Quantifying change in benthic habitats

Workshop: a hall is available for the 6th of May in case anybody wishes to propose and organize a workshop

Important Dates:

2012

December 2nd Circular

Registration and Submission of abstracts open on GeoHab 2013 website

2013

28th February Closing date for Abstracts and early bird registration

1st April Deadline for late registration

6th May Pre-conference workshop

6th May Registration opens followed by an icebreaker

7th May Oral and poster presentations

8th May Oral and poster presentations and Conference Dinner

9th May Oral and poster presentations and GeoHab AGM

10th May Excursion

For further information, check the GeoHab 2013 website (through http://geohab.org) or contact:

Dr Andrea Fiorentino, GEOHAB 2013 Chair

Geological Survey of Italy/Land Protection and Georesources Department

ISPRA - Institute for Environmental Protection and Research, Italy

Via Vitaliano Brancati, 60 - 00144 Roma (Italy)

Phone: (+39) 06-50074894; Email: andrea.fiorentino@isprambiente.it

Dr Silvana D'Angelo, GEOHAB 2013 Co-Chair

Geological Survey of Italy/Land Protection and Georesources Department

ISPRA - Institute for Environmental Protection and Research, Italy

Phone: (+39) 06-50074693; Email: silvana.dangelo@isprambiente.it

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Coastal Cliffs and Lake Bluffs Symposium, September 2013

Dear Colleague,

I am pleased to announce that our **Coastal Cliffs and Lake Bluffs Symposium** web site is now available. See http://www.hope.ac.uk/cliffs/

The event is based in Llandudno, North Wales, UK and will take place on the 17th and 18th September 2013.

The first call for papers closes 12th December 2012.

Please circulate this first announcement through your networks.

Yours

Paul Rooney
Senior Lecturer
Director, UK Sand Dune and Shingle Network
http://www.hope.ac.uk/coast/

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Coastal Cliffs and Lake Bluffs Symposium c/o Department of Geography Faculty of Sciences and Social Sciences Hope Park Liverpool L16 9JD United Kingdom

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CoLaCMar 2013, October 2013

XV Latin-American Congress of Marine Sciences (Congreso Latinoamericano de Ciencias del Mar, CoLaCMar 2013)

Connecting marine sciences in Latin America

Dates: October 27-31, 2013 **Venue:** Punta del Este, Uruguay

Details on the event at the conference page: www.colacmar2013.com

Global Congress on Integrated Coastal Management, October-November 2013



Dear Colleague,

It is a great pleasure to inform you that the "Global Congress on Integrated Coastal Management: Lessons Learned to Address New Challenges" (EMECS 10 - MEDCOAST 2013 Joint Conference) will take place in Marmaris, Turkey during 30 October - 03 November 2013.

The "Call for Abstracts" can be found at: http://www.medcoast.org.tr/MC13/Global Congress Call for Abstracts digital.pdf.

You may follow the news about the development of the congress and the new communications through our web page. The new webpage of the congress will be available soon at: http://www.medcoast.net. We would appreciate if you can also disseminate the event information to your contacts. Below is the brief information about the Global Congress.

Best regards,
Ulas Avsar
Project Officer

Name of event: Global Congress on Integrated Coastal Management: Lessons Learned to Address New Challenges (EMECS 10 - MEDCOAST 2013 Joint Conference)

Venue: Marmaris, Turkey (Club Turban Hotel) **Dates**: 30 October - 03 November 2013

DEADLINES

Abstract submission: February 04, 2013
Acceptance notification: February 28, 2013
Manuscript submission: June 30, 2013

For abstract submission and general information, contact MEDCOAST Foundation:

MEDCOAST Foundation Maras Mah, Kaunos Sok, No 26, Dalyan 48840 Ortaca, Mugla - Turkey

Telephone: 90 2522844450 - 90 5332249993

Facsimile: 90 2522844405

E-mail: medcoast@medcoast.net http: www.medcoast.org.tr

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CERF 22nd Biennial Conference, November 2013

The Coastal and Estuarine Research Federation 22nd Biennial Conference - CERF 2013 Toward Resilient Coasts and Estuaries, Science for Sustainable Solutions

Dates: November 3-7, 2013

Venue: San Diego Town and Country Resort and Convention Center, San Diego, CA USA

"Please join us in San Diego! Our volunteers are crafting a topnotch program for you. And Southern California is a great place to visit. See you there!"

- Steve Weisberg, CERF 2013 Conference Chair

Contacts us with ideas, questions or comments:

Conference Chair
Steve Weisberg
Southern California
Coastal Water Research Project
stevew@sccwrp.org

Conference Vice Chair
Jan Newton
University of Washington
newton@ocean.washington.edu

(download exhibitor and sponsorship prospectus)

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AQUACULTURE 2013, November 2013



Aquaculture Conference: To the Next 40 Years of Sustainable Global Aquaculture

Dates: 3rd - 6th November 2013

Venue: Palacio de Congresos de Canarias, Las Palmas, Gran Canaria

This conference will not only celebrate the last 40 years of outstanding science accomplishments in aquaculture it will identify the top science challenges for the next generation of global aquaculture. The conference will be essential for helping assist in a generational change to new leaders for the next science accomplishments needed to double global aquaculture production.

You should attend if you are at the cutting edge of science understanding genetics, diseases, feeds, ecological interactions, and sustainable systems.

Abstract submission deadline: Friday 24th May 2013

Topics List

- Aquaculture hatcheries: science advances and future research needs
- Combining marker assisted selection with classic selection programs
- Transdisciplinary research needs for the expansion of aquaculture in rural economies
- Raw materials and feed ingredients needed for the future of aquaculture
- Interactions of aquaculture and the environment
- Research Institutions and Research Strategies in Aquaculture

For complete meeting details, please visit www.aquaculture-conference.com

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FELLOWSHIPS / JOB POSITIONS / OPPORTUNITIES

International Master in Applied Ecology

From: Paulo Sousa [mailto:jps@zoo.uc.pt]

Sent: 25 November 2012 17:43

Subject: Announcement of the International Master in Applied Ecology

Dear Colleague

We would appreciate if you could announce within your Institution and research team the opening of application for the 2013-2015 edition of International Master in Applied Ecology (IMAE).

This is an International Master programme involving 9 European and non-European institutions and where grants are available for EU and non-EU students.

For more information and registrations, please see the attached file or get the information at http://www.master-emae.org/

Thank you very much for your attention Best regards Paulo Sousa

PhD opportunities @ James Hutton Institute, Aberdeen, UK

If you know anyone who might be interested in either of the following PhD's at the James Hutton Institute, Aberdeen (joint with Aberdeen University) please forward this email to them

Monitoring tools for data deficient conservation priority lichen/bryophyte species.

http://www.findaphd.com/search/ProjectDetails.aspx?PJID=41734&LID=1374

• The importance of symbiotic root fungi in the expansion of native woodland.

http://www.findaphd.com/search/ProjectDetails.aspx?PJID=41720&LID=1374

Informal enquiries to:

Dr Ruth Mitchell

Plant and Soil Ecologist Ecological Sciences Group The James Hutton Institute Craigiebuckler Aberdeen AB15 8QH Scotland UK

Tel: +44 (0) 1224 395231 (direct)

Tel: +44 (0) 844 928 5428 (switchboard)

Fax: +44 (0) 844 928 5429

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Compiled by: Anita Franco (A.Franco@hull.ac.uk)

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