

2013/3/SSGESST03 A Symposium on “Marine Ecosystem Acoustics – observing the ocean interior across scales in support of integrated management” will be held from 24-28 May 2015, in Nantes, France with Tom Weber (USA), Nils Olav Handegard (Norway) and Verena Trenkel (France) as Conveners.

A Scientific Steering Group will be established with to assist the Conveners in planning the Symposium. In consultation with the Conveners, the ICES Secretariat will solicit appropriate co-sponsorship from other international organizations.

Supporting Information

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|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Priority: | Specify why the symposium is of high priority for ICES. |
| Scientific justification: | <p>Marine Ecosystem Acoustics is an approach that utilizes acoustics as the primary tool for understanding, assessing and monitoring marine ecosystems. The approach holds the potential of becoming a principle deliverer to operational Ecosystem Based fisheries Management (EBM) and is aligned with the current strategy to move towards integrated management within ICES. The potential of the approach cannot be realized without systematic cross disciplinary interactions and cooperation within fields like fisheries acoustics, physics, engineering, biology, oceanography, ecology, and ecosystem modelling. The ability of acoustics to resolve ecosystem processes at the spatio-temporal scales at which they occur fosters improved and new ecosystem understanding, e.g. quantification of physical forcing and biological response, and patterns in prey - predator distribution and interaction, a prerequisite for EMB. The primary aim of this symposium is to bring together scientist and ideas from various fields to facilitate and catalyst interdisciplinary interaction with acoustics as the central tool. Stimulation of such cooperation is the only way to fill the Marine Ecosystem Acoustics approach with substance as well preparing it as a pivotal tool for EBM.</p> <p>The Symposium will review and discuss recent developments in acoustic methods and technologies applied to the characterization of marine and freshwater ecosystems to improve the effectiveness of fisheries and the wider ecosystem management. Particular emphasis will be on technologies used to measure diverse aspects of the aquatic environment, and the integration of data sets to elucidate functional ecological relationships and processes. Contemporary challenges and future directions of these objectives will be discussed.</p> |
| Resource requirements: | Organizing a symposium entails significant resource requirements, all of which must be met by the imposition of a Conference Fee. |
| Participants: | We anticipate approximately 300 scientists from ICES member and other countries. |
| Secretariat facilities: | Involvement of the Secretariat for setting up a web page, handling abstract submissions and being present at the symposium to receive participants. |
| Financial: | Advertising the symposium and communications..Financial: Financial support of 10,000.00 Euro is requested from ICES. These funds will be used to support printing a book of abstracts, and to defray conference costs for keynote speakers and early career scientists.. |
| Linkages to advisory committees: | ACOM and SCICOM will be asked for input on the symposium program and will be represented in the Steering and Organising Committees. |
| Linkages to other committees or groups: | WGFAST and SSGESST. |
| Linkages to other organizations: | Co-sponsorship of the Acoustical Society of America is sought. |

Publication of proceedings A special volume of the ICES Journal of Marine Science is requested (and approved; see Category 1 package).

| Draft Budget | | Marine Ecosystem Acoustics 2015 | | Date | 24-07-2013 |
|-------------------------------|---------------------------------|----------------------------------------|------------------|-------------------------------|------------|
| Symposium dates | 24-28 May 2015 | | | | |
| No participants | 350 | | | | |
| City | Cité de Congrès, Nantes, France | | | | |
| EXPENSES | | | | | |
| Category | Unit price | number | Total | | |
| Cité de Congrès | | | | | |
| Lecture theatre | 3.358 | 5 | 16790 | | |
| Video projecteur rent | 572 | 5 | 2859,4 | | |
| Personnel video | 200 | 10 | 2000 | unit price for half day | |
| Poster & coffee space | 1.703 | 5 | 8515 | | |
| Coffee/tea breaks | | | | | |
| Lunch room | 1.337 | 5 | 6685 | | |
| Lunch | 15 | 350 | 5250 | | |
| Poster boards | 35 | 50 | 1750 | | |
| Registration desk | 105 | 3 | 315 | unit price 3 hours | |
| Cloak room | 260 | 5 | 1300 | unit 10 hours | |
| Morning café | 5 | 1750 | 8750 | | |
| Afternoon tea | 4 | 1750 | 7000 | | |
| Welcome reception (evening) | 6 | 350 | 2100 | | |
| Security (Sunday) | 124 | 3 | 371,25 | unit price 3 hours | |
| Security (evening reception) | 99 | 2 | 198 | | |
| Security (day time) | 1.080 | 1 | 1080 | | |
| Coordination | 500 | 1 | 500 | | |
| Extras | | | 10000 | to be defined (bank account?) | |
| Total Cité de congrès | | | 75463,65 | | |
| conference diner | 25 | 350 | 8750 | | |
| room for dinner | 5000 | 1 | 5000 | | |
| Invited speakers | 2000 | 5 | 10000 | | |
| Publicity | | | | | |
| Book of abstracts | | | 1000 | | |
| Posters/flyers | | | 2000 | | |
| Banner on site | | | 2000 | | |
| Setting up web site (Ifremer) | | | 0 | | |
| Administration | | | | | |
| Secretariat | | | 2000 | | |
| Computer specialist (Ifremer) | | | 0 | | |
| TOTAL costs | | | 106213,65 | | |
| INCOME | | | | | |
| Category | Unit price | number | Total | | |
| Fees (full) | 300 | 300 | 90000 | | |
| Fees (students) | 50 | 200 | 10000 | | |
| Commercial companies | | | 3000 | Simrad, etc. | |
| Sponsorship | | | 3213,65 | Region, Ifremer, IRD, ... | |
| TOTAL income | | | 106213,65 | | |