



ICES

International Council for
the Exploration of the Sea

CIEM

Conseil International pour
l'Exploration de la Mer



SIIIECS

Strategic Initiative on Integration
of Early Career Scientists

SIIIECS Newsletter

exploring underneath the waves



**MARCH 2024
EDITION**

*An Introduction to SIIIECS and
your way in*

*Interesting research findings of
our ECS at ICES*

INTRODUCTION



SII ECS Youtube Introduction



Dear ECS,

Welcome to your SII ECS Newsletter!

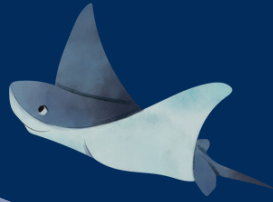
We are excited to share with you the most recent updates covering various topics relevant to ECS within the SII ECS community. In this issue, you'll find a wealth of valuable information, ranging from interesting research findings of colleagues to upcoming events and opportunities.

March 2024



SII ECS Newsletter can also be viewed
on SII ECS webpage here

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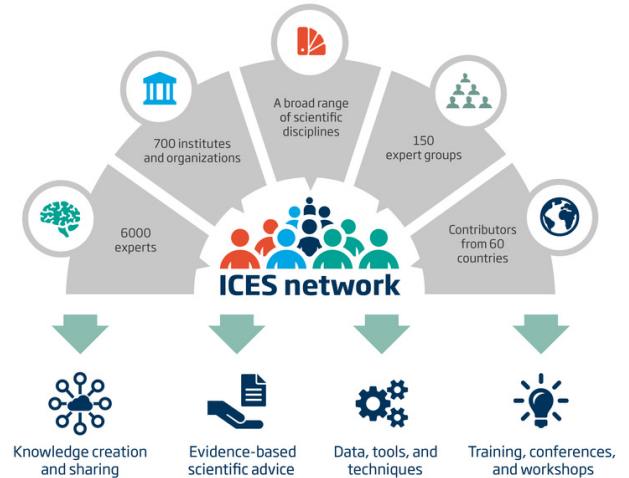
WHO ARE WE?



ICES
CIEM

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the Exploration of the Sea

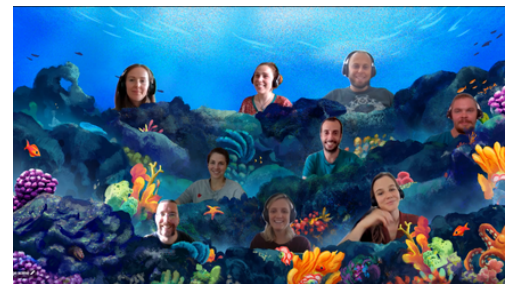
Conseil International pour
l'Exploration de la Mer



Welcome to the world of ICES—the International Council for the Exploration of the Sea! As an intergovernmental organization, ICES focuses on advancing our scientific understanding of marine ecosystems. Its mission extends to providing essential advice on the sustainable use of our seas, ensuring that decisions affecting marine resources are grounded in robust scientific research. Through fostering interdisciplinary collaborations and promoting inclusivity, ICES stands as a beacon for scientists keen on navigating the depths of marine science and contributing to the shared goal of responsible ocean stewardship. At the heart of global marine science collaboration, ICES brings together early career scientists and experts from diverse backgrounds under the Strategic Initiative on Integration of Early Career Scientists (SIIIECS).



SIIIECS
Strategic Initiative on Integration
of Early Career Scientists



SIIIECS is for anyone who identifies as an early career scientist (ECS) and who wants to be involved in ICES activities. [Join us!](#)

SIIIECS aims to make ICES more visible and accessible to early career scientists from various disciplines and backgrounds. The activities of SIIIECS will improve the inclusion of ECS in ICES work and help ECS contribute to the overall goals of the organization. The initiative also participates in ongoing efforts to enhance equity, diversity, and inclusion within ICES.

SIIECS SPOTLIGHT

This month, we are introducing our new SIIECS member, Montse Compa.

Montse is an early career scientist at the University of the Balearic Islands in Mallorca, Spain.



Montse exploring the ocean's treasures through sampling at sea!

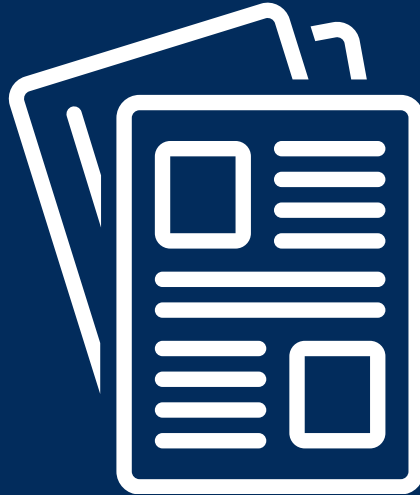
Montse is a postdoctoral researcher at the University of the Balearic Islands, currently investigating the impact of anthropogenic pressures on coastal marine diversity.

Keep an eye out for upcoming newsletters highlighting her research findings.

Here is Montse's motivation for joining SIIECS:

"I found myself unexpectedly becoming a member of SIIECS, and very quickly felt welcomed by the inclusivity and openness of the community of early-career scientists (ECSs). Currently, there are several ongoing initiatives and activities led by both new and senior members, and SIIECS members are always keen to listen to new ideas and initiatives that may benefit the wider ECS community. As a relatively new member, I've found great value as a member of SIIECS through connecting with other ECSs on numerous occasions. Whether it's seeking or offering advice, or simply the need to connect with other ECSs who share similar research interests, the community has provided valuable support and camaraderie."

HOT OFF THE PRESS



This month, we'll share two publications associated with SII ECS members and our SII ECS and ICES networks

Looking for more publications?

Find them on ICES website
here



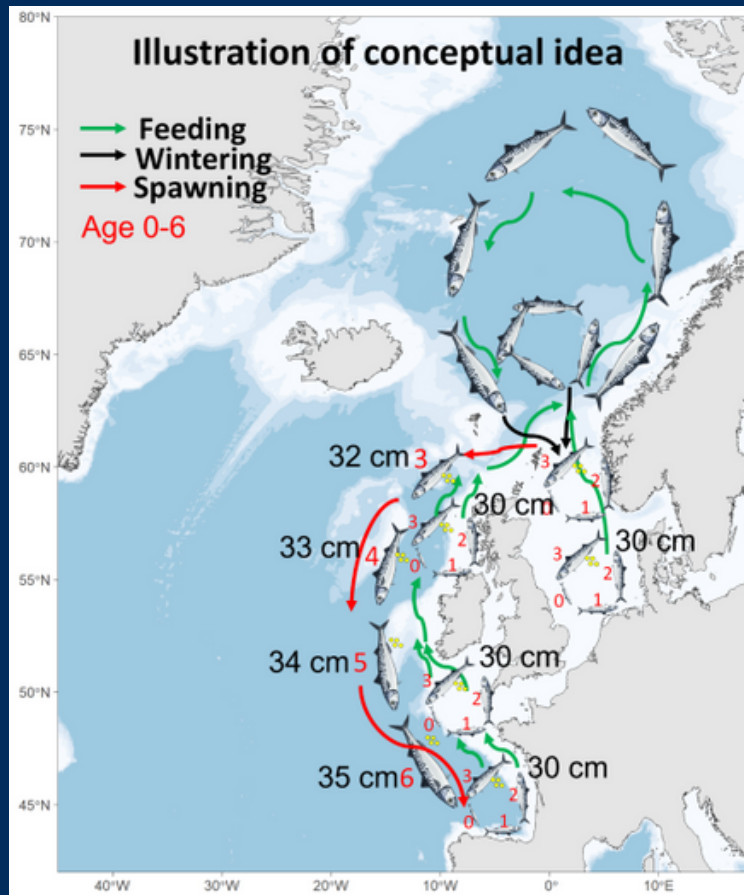
Workshop on the evaluation of NEA mackerel stock components

Editors: Richard Nash • David H. Secor,

Workshop on Recreational Fisheries in Stock Assessments

Editors: Martina Scanu • Zachary Radford

Whats up with the NEA Mackerel?



Through this latest workshop significant changes have been made to the way the mackerel population is structured and therefore managed in Northeast Atlantic (NEA). The workshop's goals were to review data on stock identification and uncertainties surrounding NEA mackerel, with a focus on genetic, tagging, and otoliths.

What changes were made?

The workshop found that the spatial and temporal patterns in NEA mackerel demography are not indicative of separate components but rather of a highly migratory and dynamic single stock. Recent investigations, including genetics and tagging studies, failed to support the concept of multiple stock components. Based on these findings, the workshop rejected the existing three-component structure and advocated for a single NEA mackerel stock concept. Consequently, it is likely that going forward management and advice will be based on this single-stock assumption.

Furthermore, the workshop highlighted several data gaps and uncertainties that warrant future research. These include enhancing survey and catch data programs, investigating the dynamics of mackerel along the Iberian coast, and exploring the interaction between indeterminate spawning and migration behaviours.

Summary

The workshop's conclusions underscore the importance of adopting a unified approach towards the assessment and management of NEA mackerel. By acknowledging the single-stock concept and addressing existing uncertainties, stakeholders can make informed decisions to ensure the sustainability of mackerel fisheries in the Northeast Atlantic.



Want to read the full report?
[Click here!](#)

WORKSHOP ON RECREATIONAL FISHERIES IN STOCK ASSESSMENTS (WKRFSa)

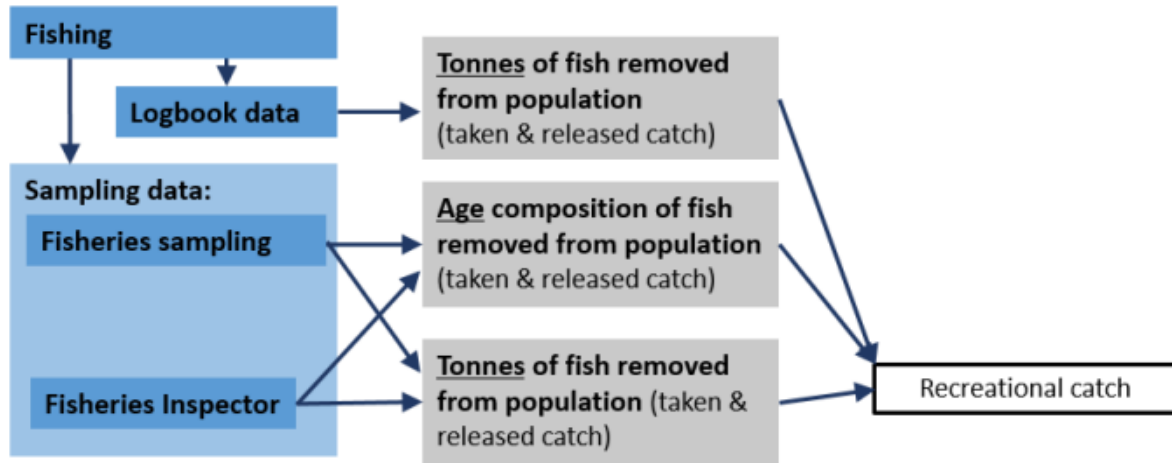


Figure 1.3. Schematic representation of possible recreational catch data gathering for processing.

ICES experts recently convened to find ways in which recreational fisheries (RF) data can be better integrated into stock assessments.

Key achievements of the workshop:

1. A productivity-susceptibility analysis (PSA) was conducted with the aim of identifying species vulnerable to RF impact, assisting in prioritizing data collection efforts and stock assessment inclusion.
2. An assessment was made of the blockers to RF inclusion highlighting issues such as the challenges of data quality, communication gaps, and resource constraints. However, efforts are underway to address these challenges, including improving data collection methods and enhancing communication between stakeholders.
3. A flowchart-based framework was developed to show the potential avenues for integration of RF data into stock assessments, issues addressed included survey errors and missing data.
4. Importance of RF data inclusion in assessments was highlighted, due to its ability to enhance scientific advice, improve understanding of RF impacts, and facilitate better management strategies. Opportunities for better communication and prioritization were identified.

Moving forward, several key tasks were laid out to foster improved integration of RF data in stock assessments. Primarily the development of a standardised and agreed upon framework to assist stock assessors and RF data collectors. Creation of methods for prioritizing stocks for RF data inclusion. Initiatives to improve communication around RF data availability and usage. Establishment of a dedicated team within WGRFS to address future RF data needs. Allocation of responsibilities among working groups to streamline RF data inclusion processes. Finally, although challenges remain, the workshop laid the groundwork for enhancing the integration of RF data into stock assessments, ultimately aiming to improve the sustainability of fisheries management practices. The report from WKRFSa will serve as a basis for further discussions and actions in this critical area of fisheries science and management.

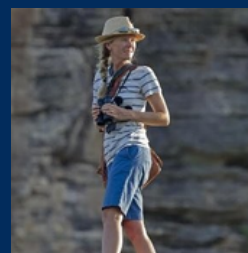
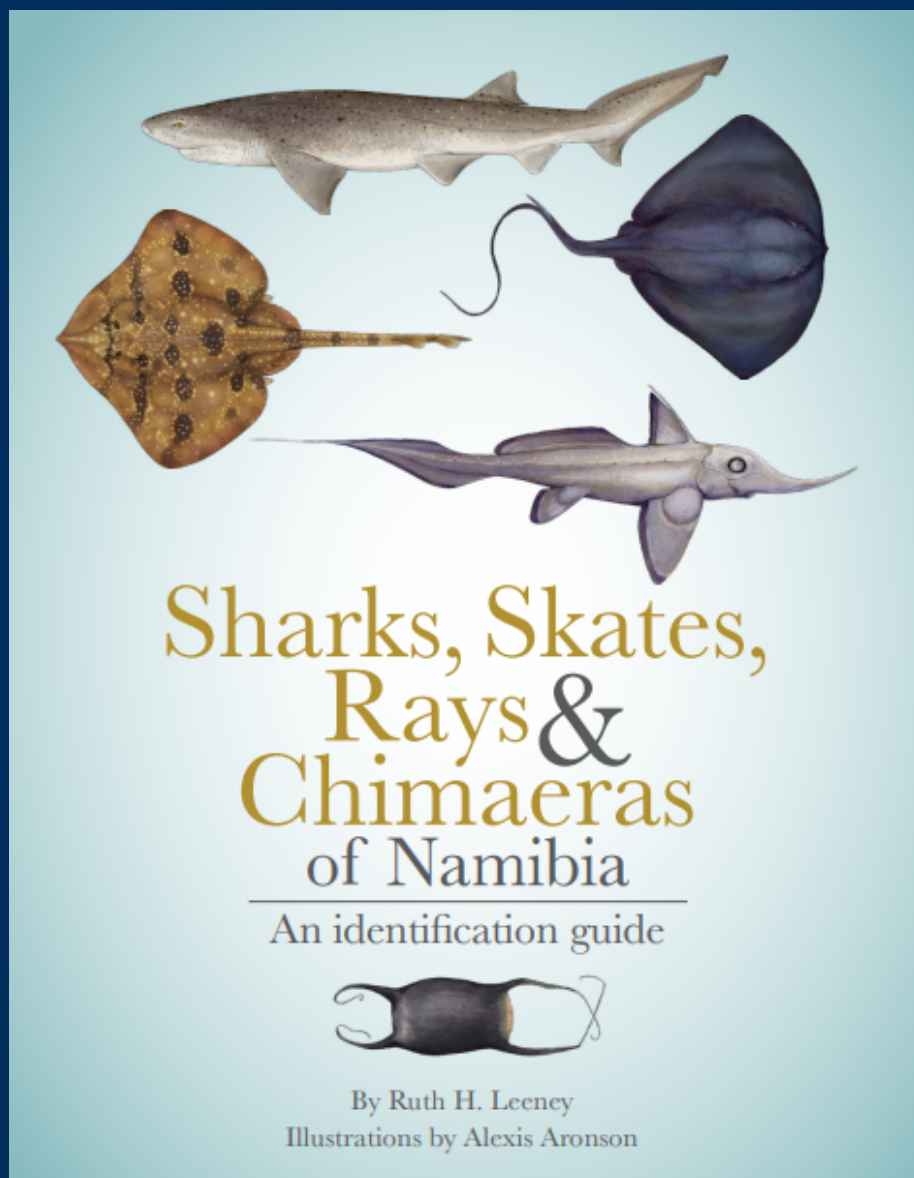


[Want to read the full report?
Click here!](#)



OCEANIC READS

The Book of the Month Winner is:



Ruth Leeney
Project Manager,
Namibia's Rays
and Sharks

The first ever identification guide to Namibia's sharks, skates, rays and chimaeras has been published!

For each of the 88 described and illustrated species, information is provided on the morphology, maximum size, distribution, known threats and the IUCN Red List classification.

We hope that this guide will encourage more research focusing on chondrichthyans in Namibian waters, to help us better understand the important roles they play in marine ecosystems.

The electronic version of the guide is available to download for free



FOOD FOR THOUGHT

Welcome to our Food for Thought section where members can share ideas, theories, and anything that they are struggling with (for e.g., statistical methods, laboratory protocol), or ask questions, seek collaborations or contacts, make statements, etc. This is your section!



Send us your questions/ideas/ theories/statements and your email address if you would like other members to get in touch with you.

Our **Food For Thought** question of this month comes from SIIECS member Jordan Moss who wants to discuss sample size limitations in machine learning techniques. You can reach me at jordan.moss@research.atu.ie

Machine learning techniques and in particular Random Forest (RF), are powerful tools that are being increasingly adopted by ecological and fisheries scientists alike. However, less work has been done regarding minimum sample sizes, an issue well covered in more traditional statistical approaches. My current project uses a nested sample design, with 10 samples taken at multiple locations (~25-30 sites). My fear is that 10 samples from each site will be insufficient to run a reliable RF. I have tried using power analysis on simulated data. However, I am not sure this is logical for RF because you do not really have a traditional null hypothesis. So my question is have people accounted for low sample size when using Random Forest or similar Machine learning techniques?

ICES AND SIECS ACTIVITIES

CALL FOR ABSTRACTS OPEN

ICES
20
24 | Annual
**Science
Conference**
9-12 September, Gateshead, UK



ICES Annual Science Conference 2024, has opened the call for abstracts. Many interesting topics will be tackled across the **18 theme sessions** and **5 network sessions**.

SIECS is involved in the ASC!

- SIECS members Marta Ferraro and James Lamb are convening the network session: *“The quest for interdisciplinarity: addressing ocean challenges using a diverse range of skills and expertise”*
- Selection of an ECS as keynote speaker. Stay tuned for more details in the next newsletter.

Get info and
re-tweet:



DEADLINE Abstract:
24 March 2024

REGISTER NOW



ICES AND SIIIECS ACTIVITES

**Rising Tides
collection -**
voices from
the new generation
of marine scientists

1 YEAR
In brief

6
Papers

9243
Reads

1444
Downloads

8
Citations

298
Tweets

ICES JOURNAL OF
MARINE SCIENCE
JOURNAL DU CONSEIL



Call for research from ECS!

The collection - “Rising Tides – voices from the new generation of marine scientists looking at the horizon 2050” - is now welcoming submissions!

The Rising Tides collection is dedicated to and written by early career scientists, presenting our perspectives on the future of marine science. Submissions, to be published in ICES Journal of Marine Science, are currently being accepted. This collection of articles was jointly developed by ICES SIIIECS and ICES Journal of Marine Science.



EXPLORE THE SERIES



ICES AND SIECS ACTIVITES

Practice your presentation skills with SIECS

Stressing about presenting a poster or a paper at an upcoming conference? Here's your chance to practice your presentation skills!

The seminar series that provides an informal and supportive forum for early career scientists (ECS) to give oral presentations. During the session, presenters can get constructive feedback while using the opportunity to get rid of their 'nervous jitters' before their actual presentation.

SIECS Seminar Series takes place every two months, on the second Tuesday of the month at 13:00–14:00 CET.

The next session is on 14 May 2024.

[REGISTER NOW](#)



ICES Training: Introduction to Management Strategy Evaluation

The main objective of this course is to provide a general introduction to Management Strategy Evaluation (MSE) by covering a range of topics with associated case studies and practical sessions, thereby equipping participants with the knowledge, skills and quantitative tools to undertake MSE on their own fisheries resources.

DEADLINE registration: : 10 June 2024

The level is introductory, but experience with stock assessment models used to provide management advice, and with Excel and R would be helpful.

Date: 2-6 September 2024

Location: ICES Headquarters, Copenhagen, Denmark

[REGISTER NOW](#)



ICES training course: Introduction to stock assessment

This course provides introduction, demonstration, and exercises in population modelling as applied to fishery resources.

This course will train scientists in basic population dynamics and stock assessment. The course not only presents the theoretical elements but also puts theory into practice through case studies and hands-on exercises.

DEADLINE Registration: 2 September 2024

The participants will gain awareness of single species assessment methods, understandings of the data-collection needs for different assessment methods, **be familiar** with indicators and reference points, and developed knowledge of population and fishery processes to improve scientific advice.

Date: 28 October – 1 November 2024

Location: Copenhagen, Denmark

[REGISTER NOW](#)



JOB OPPORTUNITIES

3-year PhD position at IFREMER and QUT

“Understanding and Predicting Seagrass decline in lagoonal environment”
France and Australia
Foreseen enrolment: 1 November 2024

Informative PDF:



email here



Ass. Prof. Paul Wu (QUT)

3.5 Year PhD at Plymouth University

Monitoring marine biodiversity using AI approaches Maine. The student will use existing and novel AI based approaches, to develop and demonstrate new methods of retrieving quantitative data on species from imagery including video.

Informative website:



email here



Prof Kerry Howell

Ocean Oculus

Looking for a marine STEM* related job, postdoc, PhD, master, diploma, workshop, webinar, conference, funding, or other opportunity?

take a look here



@EM_OYSTER

Follow @EM_OYSTER on X for job opportunities around the globe for ECRs in marine and ocean science posted every Thursday of the week!

take a look here



COURSE OPPORTUNITIES

Mallorca Science School

“Interdisciplinary Science for Marine and Coastal Conservation in a Changing world”

The objective is to equip researchers in the early stages of their career with the necessary knowledge and research skills to address significant environmental challenges such as climate change, biodiversity loss, and sustainable resource management in iconic ecosystems.

This course is organised by the IMEDEA of the CSIC (Mallorca, Spain)



20–26 October 2024

DEADLINE registration:
31 March 2024

[REGISTER NOW](#)



University of Algarve

“Dynamics of semi-enclosed basins”

Through a mixture of theoretical classes and field work activities, the course will provide fundamental concepts of hydro-sediment dynamics in semi-enclosed basins and essential training regarding the collection and processing of in-situ oceanographic data (collected during the course with various instruments)

The course is organised in the frame of the SWITCH project (Faro, Portugal)



1–12 July 2024

DEADLINE registration:
7 April 2024



[LEARN MORE](#)

AZTI Summer School 2024

“Bridging the gap between marine science and policy: Communicating for an informed society and decision-making”.

The objective is to present, both theoretically and practically, different tools and methods for a better transmission of the ideas, connecting science and policy in an effective manner. The school combines the experiences from scientists, journalists, practitioners and managers in making science available for policy-makers.

The course is organized by AZTI (Donostia-San Sebastián, Spain)



11–13 June 2024

DEADLINE registration:
10 June 2024



[LEARN MORE](#)



EVENTS

SERE2024

An international conference organised by the European Chapter of the Society for Ecological Restoration (SERE), taking place in Europe every two years ([see here](#)). During the last week of August 2024, everyone working on the science, practice, and policy of ecological restoration will come together in Estonia, Tartu, to share knowledge and discuss the future of European nature.

Abstract deadline: 1st of April 2024



30 May - 31 May 2024



Tartu (Estonia)



Ocean Decade Conference 2024

Focused on 'delivering the science we need for the ocean we want', the 2024 OceanDecade Conference, which will be hosted by the Government of Spain in Barcelona from 10-12 April 2024, will bring together the global Ocean Decade community and partners to celebrate and take stock of progress, and set joint priorities for the future. An important milestone on the path to 2030, the event will cover the full range of Ocean Decade Challenges including critical issues such as climate change, food security, sustainable management of biodiversity, sustainable ocean economy, pollution, and natural hazards. In the lead-up to the Conference, partners will also have the opportunity to complement the official Conference programme through satellite Events.

Supplementary Info.: Travel support available for ECS, Letter of invitation for VISA can be provided



10-12 April 2024



Barcelona (Spain)



European Marine Board Monthly seminar series

Check out the European Marine Board's monthly seminar series. On Thursday 21 March 2024, EMB will host a webinar on "Implementing Ocean Sound as an Essential Ocean Variable for the Global Ocean Observing System" featuring Dr T. Tyack.



21 March 2024



Webinar



Watch out for Pint of Science

Thousands of researchers across hundreds of cities share and discuss their findings with people in their local pub, bar, cafe or public space.

Check out the countries, cities and places in "Learn More"



13-15 May 2024



Check out in [learn more](#)





EVENTS

7th International Conference on Marine Connectivity

The 3-day scientific conference at the heart of this event will examine the latest findings and future of marine functional connectivity research, and allow discussions on its applications to ecosystem and resource management. Participants will share their expertise and latest findings on the topic, through oral presentations (including keynote talks) and posters.



27–31 May 2024



Montpellier, France



Summer School on Ocean Literacy & Collaboration

The EU4Ocean Summer School on Ocean Literacy & Collaboration is a 5-day event (July 1-5 2024) dedicated to thinking about how to better collaborate on ocean-related projects and apply this knowledge to advance a sustainable blue economy in a coastal city.

The Summer School supports the following learning outcomes:

- How to effectively collaborate on the development of ocean-related projects
- How to improve communication and storytelling in transdisciplinary and multicultural environments
- How to collaborate and advance ocean literacy for nature-based solutions in the Baltic and North Seas
- How to deal with local hot-topics and how to engage with local institutions and stakeholders

Registration Deadline: April 30th 2024, 23.59 GMT



15-17 May 2024



Malmö, Sweden



YoMos Workshop 2024

The workshop is mainly for early career scientists (Bachelor, Master or PhD students) who are connected to ecological modelling through their projects/work. Beyond this, we warmly invite anyone interested in learning about ecology and modelling to join our workshop!

Registration Deadline: 13 April 2024



13-17 May 2024



Bad Buchau, Germany



ISMS (International Symposium on Marine Science) 2024

Promoted by the Conference of Deans of Marine Sciences of Spain and the Universities to which they belong, it has been held biennially since 2007, and is also a meeting place and event that brings together several symposia and conferences of a diverse nature.

Abstract Deadline: 30 April 2024



10-12 July 2024



Valencia, Spain





FOOD FOR EARS

We would like to let you know about some newly released podcasts that we think will capture SII ECS members' interest – we think they are enriching experiences in the diverse and fascinating realms of the marine.



Beneath the Surface

A deep dive into the programs and people at the American Fisheries Society



← Click here to listen



Beyond Jaws Podcast

Episode of January 15
The Loss of a flatshark - Lost Sharks: species gone due to fishing pressures



← Click here to listen



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SIIIECS
Strategic Initiative on Integration
of Early Career Scientists

Do you know of any exciting activities or opportunities for ECS?

Please send any content you would like to share in the newsletter to siiiecs@ices.dk. Entries received after the **15th** of every month will be included in the following edition.

Know someone who might be interested in this?

Feel free to forward this mail to anyone who might be interested in SIIIECS activities. They can also sign up for SIIIECS via the link on this webpage.

ICES Newsletter

If you would like to stay up to date with the latest news from ICES (not just the early career scientist stuff!), please subscribe to their online newsletter by sending an email to news@ices.dk indicating your interest.

With best regards,

SIIIECS (the Strategic Initiative on the Integration of Early Career Scientists)

Unsubscribe?

If you would no longer like to receive messages related to the Strategic Initiative on the Integration of Early Career Scientists then please reply to this email with the subject line "Unsubscribe" and we will remove you from the mailing list.

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