

Marine Radioactivity Training Workshop 2026

Xiamen University, Xiamen, China
October 25-29, 2026

Hosted by **Xiamen University and Fujian Ocean Innovation Center**, this five-day international training workshop provides intensive instruction on **marine radioactivity**. It was originally developed during the Rio5 SCOR Working Group (<https://scor-int.org/group/146/>) and aims to foster knowledge exchange and capacity building across the ocean science community.

The workshop is designed for **university students, early-career researchers, and professionals** who are interested in, or will pursue research and/or management positions that require knowledge of radioactivity and its application in ocean sciences. Participants will gain both **theoretical knowledge and practical experience** through lectures, laboratory activities, and field sampling exercises.

This training workshop was **first organized at Xiamen University in 2016**. The **2026 edition marks the 10th anniversary** of the program, continuing a series of successful international training events held in Xiamen (China, 2016), Paris (France, 2017), Puerto Rico (USA, 2019), Joondalup (Australia, 2019), and Selangor Darul Ehsan (Malaysia, 2024).

Workshop Subjects

- The workshop will introduce the **key concepts and applications** of radionuclides in marine science, including:
 - Basics of radioactivity
 - Natural, anthropogenic, and cosmogenic radioisotopes in the marine environment
 - Radioecology, tracer and dating techniques
 - Other applications of radionuclides as ocean tracers
- In addition to lectures, the workshop will provide **hands-on training**, including:
 - Fieldwork at coastline along the Xiamen City
 - Collection and pretreatment of sediment samples, submarine groundwater discharge (SGD) water, and seawater for radionuclide analysis
 - Laboratory techniques and data analysis training, covering alpha/gamma spectrometry, low-background beta counting (among others).
 - Hands-on engagement in radionuclide application discussions to address pressing scientific questions

Confirmed Lecturers



Dr. Claudia Benitez-Nelson
University of South
Carolina, USA



Dr. Minhan Dai
Xiamen University,
China



Dr. Willard S. Moore
University of South
Carolina, USA



**Dr. Núria Casacuberta
Arola**
Institute of Marine
Sciences, Barcelona, Spain



Dr. Ken O. Buesseler
Woods Hole
Oceanographic Institution,
USA



Dr. Sabine Charmasson
IRSN, Institut de
Radioprotection et de
Sûreté Nucléaire, France

How to Apply

The workshop is open to **approximately 30** participants worldwide. Applicants must complete the **online application form** and submit all required materials before the deadline. Selected applicants will be notified and asked to confirm their participation. Website: https://mel2.xmu.edu.cn/conference/marrad_2026



Application Timeline

- March 15, 2026 First Announcement and Application Opens
- May 15, 2026 Application Deadline
- June 30, 2026 Notification of Acceptance
- October 24–25, 2026 Participant Arrival
- October 25, 2026 Icebreaker Reception (17:00 – 21:00)
- October 26–29, 2026 Training Workshop

Registration Fee

The workshop registration fee is **USD 300**. The fee includes:

- Workshop tuition and training materials
- Field sampling and laboratory activities
- Meals during the workshop
- Accommodation at Xiamen University (for non-local participants)

Organizing Committee

- Dr. Ken Buesseler, Woods Hole Oceanographic Institution, USA
- Dr. Minhan Dai, Xiamen University / Fujian Ocean Innovation Center, China
- Dr. Claudia Benitez-Nelson, University of South Carolina, USA
- Dr. Weifang Chen, Xiamen University, China

Financial Support

Limited funding is available through CMER and MEL to provide partial or full support for participants in need, with priority given to those from developing countries.

Notes

- Local participants will not be provided accommodation.
- The registration fee will be charged **after participant selection** and must be paid in advance to confirm attendance.

Contact Us

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Organizers

