



**ESSAC Spring Meeting 2024 (#21)**  
28-30 May 2024

Geological Survey of Finland (GTK)  
Espoo, Finland

Meeting Minutes  
18/06/2024

## List of Participants

Role	Member country	Delegate	Alternate	Delegate	Alternate
		In person		Remote	
ESSAC	Austria	Michael Strasser			
ESSAC	Canada			John Jamieson*	
ESSAC	Denmark			Marit-Solveig Seidenkrantz	
ESSAC	Finland	Joonas Virtasalo	Christoph Beier		
ESSAC	France		Anne Le Friant		
ESSAC	Germany	Susann Henkel			
ESSAC	Ireland	David Hardy			
ESSAC	Italy	Angelo Camerlenghi			
ESSAC	Netherlands	Jeroen van der Lubbe		Martin Ziegler*	
ESSAC	Norway			Jan Sverre Laberg	
ESSAC	Portugal	Antje Voelker			
ESSAC	Spain			Carlota Escutia	
ESSAC	Sweden			Matt O'Regan*	
ESSAC	Switzerland			Gretchen Früh-Green	
ESSAC	United Kingdom	Antony Morris			
ESSAC SCI. COORD	Italy	Hanno Kinkel			
EMA				Gilbert Camoin	
ESO				David McInroy	
ECORD EFB				Sasha Turkhyn	
SEP				Tim Reston	
MAGELLAN+				Gilbert Camoin	
OBSERVERS					

\* Announced remote participation but could not attend

# Agenda

ESSAC Meeting 28-30 May 2024 – Agenda (Eastern European Time)	
28 May 2024	
09:00	1 – Introduction, logistics (Joonas, Angelo)
09:15	2 – Updates on the ESSAC composition
09:30	3 – Minutes of ESSAC Fall 2023 Meeting and actions
09:45	4 – Update on end of IODP, IODP3 and other scientific ocean drilling programmes
10:30 – 11:00	<i>Coffee break</i>
11:00	4 – <i>(continued)</i>
13:00 – 14:00	<i>Lunch break</i>
14:00 – 15 :30	5 – Reporting from boards and committees (~15 minutes each + discussion)
	Facility Board (Sasha Turchyn) (remote)
	ESO (David McInroy) (remote)
	SEP (Tim Reston) (remote)
	Magellan Plus (Gilbert Camoin) (remote)
	PMOs (Angelo Camerlenghi) on site
15:30 – 16:00	<i>Coffee break</i>
16:30	Science Talk by Christoph Beier (University of Helsinki): Drilling a subducting seamount chain – what comes up must go down
17:30	<i>Bus transfer to SAUNA (bring your swimsuit) and DINNER. Return to Helsinki Central Station at ca. 23:00</i>
29 May 2024	
09:00	6 – IODP LeAPs Calls
09:30 – 10 :30	7 - Training and Outreach
	ECORD Grants, Summer Schools and Scholarships
	Distinguished Lecturer Program
	EGU GA 2024 and ECORD sphere
10:30 – 11:00	<i>Coffee break</i>
11:00	Future training and Outreach activities
11:30	8 - Expedition Staffing
	Review of the expedition schedule and ECORD participants
13:00 – 14:00	<i>Lunch break</i>
14:00	Final quota table
15:30	9 - ECORD participation by countries and monitoring of ECORD participation in scientific ocean drilling
16:00	10 - AOB and Date and place of Next Meeting
16:30	End of meeting
30 May 2024	
09:00 – 16:00	Field Excursion to 1.9-1.8 Ga metavolcanic and metasedimentary rocks in eastern Helsinki led by Aku Heinonen.

## **1 – Introduction, logistics**

Joonas summarises the organization of the meeting.

The meeting scope was defined as:

1. Update ESSAC delegates on:
  - Ongoing process of preparation of IODP<sup>3</sup>
  - The recent activities of ECORD
  - Review ECORD activities in IODP-2 in view of the Autumn meeting with ECORD Council
2. Openly discuss and brainstorm on how to shape ESSAC in IODP<sup>3</sup>

## 2 - Updates on the ESSAC composition

The composition of ESSAC has not officially changed since the last meeting. The following changes are announced by delegates (reflected in the list below):

- Norway: Jan Sverre Laberg and Helga F. Kleiven switch their roles as Delegate and Alternate.
- UK: Kate Littler replaces Tony Morris as Delegate (Tony representing UK for the last time in the present meeting) and Uisdean Nicholson as Alternate.
- Spain will communicate the name of the new Delegate (replacing Carlota Escutia) and Alternate soon.
- Sweden will communicate the name of the Alternate Soon.
- Portugal announces that Antje Voelker, Cristina Veiga-Pires and, at the ECORD Council, Fatima Abrantes will rotate off in favour of younger delegates. The change should happen with the transition to IODP<sup>3</sup>.
- Denmark will decide on delegates after membership in IODP<sup>3</sup> is secured.

Country	Delegate	Alternate
Austria	Michael Strasser	Walter Kurz
Canada	John Jamieson	Dominique Weis
Denmark	Marit-Solveig Seidenkrantz	Paul Knutz
Finland	Joonas Virtasolo	Christoph Beier
France	Georges Ceuleneer	Anne Le Friant
Germany	Susann Henkel	André Bornemann
Ireland	David Hardy	Xavier Monteys
Italy (Chair)	Angelo Camerlenghi	Riccardo Tribuzio
Netherlands	Martin Ziegler	Jeroen van der Lubbe
Norway	Jan Sverre Laberg	Helga F. Kleiven
Portugal	Antje Voelker	Cristina Veiga-Pires
Spain	Carlota Escutia	tbd
Sweden	Matt O'Regan	tbd
Switzerland	Gretchen Früh-Green	Silvia Spezzaferri
United Kingdom	Kate Littler	Uisdean Nicholson

Colour: Changes of delegates and their alternates. To be communicated officially via the ECORD Council members.

### ESSAC office, Chair and Vice-Chair

OGS and CNRS have signed a renewed agreement for the year 2024. Because the MoU/Agreement of ECORD members in IODP<sup>3</sup> is not yet finalized, it was not possible to sign an agreement spanning across the transition to 2025. A new Agreement CNRS/OGS will be signed to guarantee the continuation of the ESSAC Office in Trieste in 2025.

#### Next ESSAC Office:

- Call released on May 10 2024 (<https://www.ecord.org/19657-2/>)
- No big changes in the call text compared to previous calls, except duration of the appointment is increased from 2 to 3 years

- New ESSAC Chair, and ESSAC Office location must be decided in time for formal appointment during the Autumn ECORD Council Meeting (Oct 28-31 Oslo)

Appointed ESSAC Chair will become ESSAC Vice-Chair on January 1st 2025.

Tony Morris, presently extended Vice-Chair, has taken the role of co-director of the IODP<sup>3</sup> Science Office on May 1st, 2024 together with Nobu Eguchi. Therefore, in a message on February 21<sup>st</sup> to the ESSAC Chair, Tony announced that he ceases being the Vice-Chair.

ESSAC faces the situation of remaining without a Vice-Chair until the end of 2024. This situa is not expected to impact day-to-day activity of teh ESSAC Office. However, a potential impact exists in case of impediments of the Chair.

ESSAC reaches a consensus that the role of ESSAC Vice-Chair until the end of 2024 will be taken by the most senior ESSAC Member, who is Carlota Escutia (not present in the meeting).

<p><b>Action #1.</b> The ESSAC Chair asks Carlota Escutia if she is avaiable to accept the role of Vice-Chair until the end of 2024.</p>
--

### **3 – Minutes of ESSAC Fall 2023 Meeting and actions**

All actions have been completed:

**Action #1** – ESSAC Office discusses the post-2024 educational offer as a possible joint activity among PMOs during the PMO meeting in Wollongong, Australia.

More discussion planned in the 2024 PMO meeting in Japan.

**Action #2** – ESSAC Office presents the matrix of activities to be monitored in IODP<sup>3</sup> in the PMO meeting in Wollongong, Australia, for discussion with other PMOs and the results of the discussion will be reported in the next ESSAC meeting.

Presentation made. Results will be discussed under Agenda Item 7.

**Action #3** – ESSAC Office to communicate the invited lecturers and prepare the call for hosting the lectures in 2024.

Call for DLP launched. Lectures are being programmed.

**Action #4** – ESSAC Office to circulate a Doodle to set the date of the ESSAC Spring 2024 Meeting in Helsinki  
Done.

A question from Antje regarded the counting of Observers (Emilia Salgueiro in this case for Iberia Margin). All ECORD participants will be counted to measure the performance of each member country (See Agenda items 8-9)

#### **4 – Update on Future Scientific Ocean Drilling. ESSAC post 2024**

Since the last meeting the following milestones in the development of post-2024 scientific drilling have been identified:

October 11-12-13, 2023, Wollongong, Australia

IODP Forum meeting and PMO Meeting

November 1, 2023

NSF Deadline for submission of expressions of interest to Provide a Coordinating Office for Scientific Ocean Drilling Activities

December 11-15, 2023

AGU Fall Meeting TH43E, Scientific Drilling in the Polar Regions

IODP Townhall meeting

11 December Poster Session #190422, Novel Approaches in the Use of Scientific Ocean Drilling Data

Conveners: Rebecca S Robinson, Elisabetta Erba, Harue Masuda, Zhifei Liu, Nisha Nair

December 2023 – May 2024

NSF USSSP FOCUS Workshop ADDRESSING FUTURE OCEAN DRILLING IN THE UNITED STATES (“FOCUS”) <https://usoceandiscovery.org/focus/>. Planning for post-2024 subseafloor sampling activities.

Stefanie Brachfeld, Montclair State University (brachfelds@montclair.edu)

Justin Dodd, Northern Illinois University (jdodd@niu.edu)

March 14-15, 2024 - Kobe, Japan

Joint EFB-CIB Meeting

March 18-20, 2024 – Nachikatsuura, Japan

Phase#2 ECORD Japan Workshop on the future of scientific ocean drilling with MSP and Chikyu

April 2-4, 2024 – Washington, D.C.

NSF USSP Workshop: Integrating Ocean Drilling and NASA Science

Convener/Program Committee: Clive Neal, Sean Gulick, Charity Phillips-Lander, Mitch Schulte, Ginger Sigmon

April 30, 2024

NSF 24-568: Scientific Ocean Drilling Coordination Office (SODCO) for the Division of Ocean Sciences. Program Solicitation (deadline July 30)

April 2024

Scientific Drilling Journal, Volume 33, 2024 Issue 1, pages 1–92

<https://doi.org/10.5194/sd-33-89-2024>

ECORD Newsletter#40

<https://www.ecord.org/?ddownload=19633>

May 1, 2024

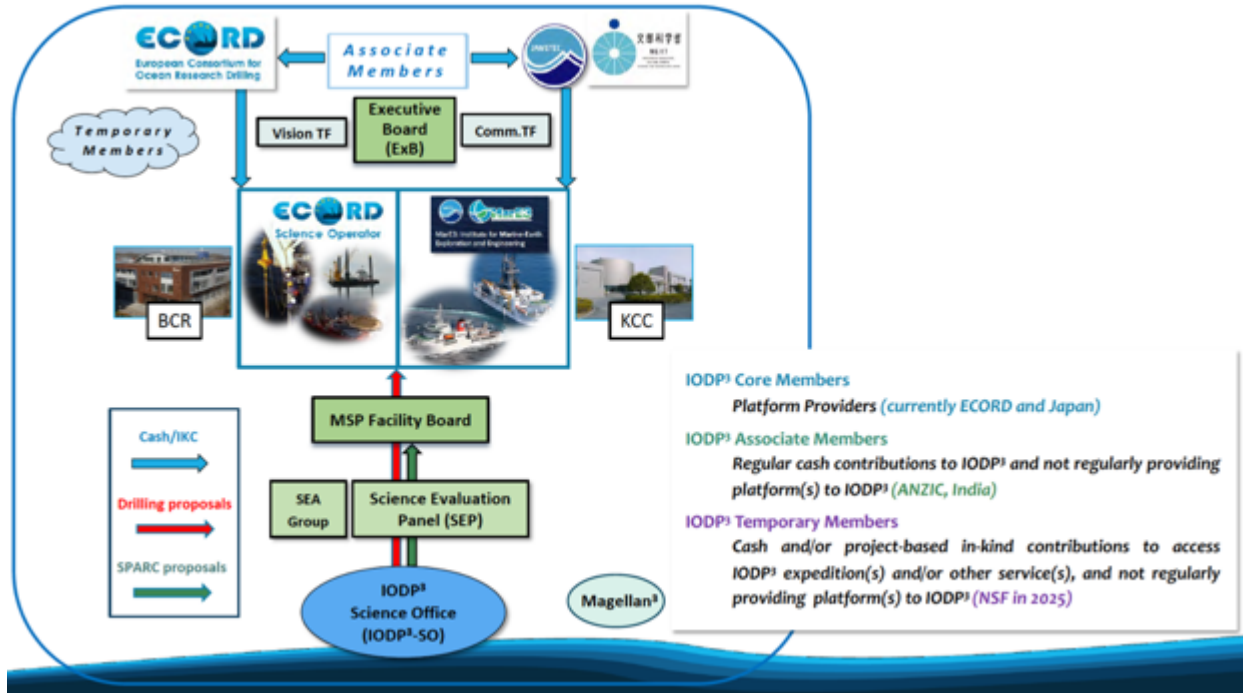
IODP<sup>3</sup> Science Office begins



State of the art of the process of establishing IODP<sup>3</sup>

Gilbert Camoin summarizes the state of the art of the process of establishing IODP<sup>3</sup>. The slides are made available to the participants.

The following graphics efficiently summarize the planned structure of the ECORD (reflected in the structure of Jamstec-Mare3) as Core Members (Shop operators) of IODP<sup>3</sup>, and the role of Associate or Temporary members:



It is important to note that:

- ECORD and Japan will maintain their own identity and entities in IODP<sup>3</sup>.
- The BCR will become an ECORD entity.
- The IODP<sup>3</sup> Science Office has been established and is operative since the first of May 2024.
- Former Expedition 406 postponed to 2025 will become an IODP<sup>3</sup> expedition implemented jointly with NSF, while the Chikyu will implement two former APLs as two separate expeditions in 2025.
- The MoU between the Core repositories and NSF ensure the continuity of core curation until 2029. It is envisaged that the geographical distribution of cores will be maintained in IODP<sup>3</sup> and in the future NSR drilling program.
- The scientific Drilling Forum will be an entity across all scientific drilling programs, including one co-chair from ocean drilling and one from continental drilling.
- The SPARCS will guarantee a widening of the participation through the study of legacy data and cores.
- The Priority is to finalize the IODP<sup>3</sup> Agreement to be signed by IODP<sup>3</sup> members (ECORD and Japan as core members to start with). Subsequently, the new MoU/Agreements for ECORD members will be finalized (expected by the end of summer 2024).
- The ECORD MoU will work based on the calendar year, using the Euro as currency.

Some discussion has addressed the following details:

- Coverage of travel costs (to core repositories and Workshops) within SPARCS.
- Many stressed the importance of allowing the SPARC members to use the 300 k Eur budget to cover travel costs. Alternatively, travel costs should be paid by the national office of ECORD

Members. It should be considered that ESO covers the accommodation costs during sampling parties in Bremen. However, it is well known that not all ECORD members have the same policy with respect to covering travel costs in relation to drilling expeditions and subsequent post-cruise meetings as well as attendance to Panel meetings. This situation may lead to disparities among ECORD members in SPARCS.

- A similar issue is raised in relation to the coverage of the costs associated to safety/survival training needed to board the Chikyu or other MSP vessels. Not all ECORD members are able to support the costs for such Costs
- Similarly, a need is recognized to clarify the financial coverage of scientists moving from one ECORD member state to another.

**ACTION #2.** ESSAC Chair suggests to the IODP<sup>3</sup> MoU Writing Group that:

- the Guidelines of SPARCS include the rules for travel costs
- the safety/survival training course are included in the MoU/Agreements as a budget item to be considered by ECORD members.
- the financial coverage of scientists moving from one ECORD member state to another is clarified.

### IODP<sup>3</sup> Science Office

Within the reporting on IODP<sup>3</sup>, Tony Morris gave an extensive presentation on the planned organization of the Science Office, codirected by himself and Nobu Eguchi, and based at the University of Plymouth. Because of the preliminary nature (first time shown) of the presentation, the slides are not distributed. Points worth of note that triggered discussion:

- Publications will be handled through an external service provider (likely Copernicus) and will include a peer review process.
- The SO will manage a global (IODP<sup>3</sup> -wide) application portal and standard application forms so that the tracking of the performance indicators across IODP<sup>3</sup> members will be possible based on common entry data.
- Each applicant (for any IODP<sup>3</sup> activity) will fill a minimum amount of personal data that will permit a uniform identification of the career stage and the expertise of each applicant.

### Reports on other IODP<sup>3</sup>-related activities by Angelo Camerlenghi

#### *SPARCS vs LeAPS*

Other IODP members have started initiatives to support the use of legacy data:

**J-DESC** Repository Core Re-Discovery Program (ReCoRD)

**ANZIC** Legacy Analytical Funding Program (AILAF)

**NSF** Call for use of scientific drilling legacy data

With respect to LEAPs, SPARCS have the following characteristics:

- Rapid assessment and rapid implementation
  - One submission deadline/year
  - 1-stage proposal (< 1 year from submission to approval)
  - Reviewed by IODP<sup>3</sup> SEP and forwarded to MSP-FB for final approval and scheduling
- Open Call for international scientific participation according to Membership quota
- Seed Funding Scheme for IODP<sup>3</sup> members in the Science Party

- Each SPARC will receive a fixed contribution of €300k through the institution of one of the Co-chiefs or other project members.
- Implementation similar to expeditions: Staffing-Scientific Prospectus-Proceedings Volume-Moratorium for access to newly generated data.
- SPARCs should ideally contribute to the implementation of Flagship Initiatives of the 2050 SF.

The goal for the beginning of IODP<sup>3</sup> is to implement 2 SPARCs / year, with the first Call likely to be issued in late 2024.

Events to celebrate the end of the last IODP Expedition of the JOIDES Resolution

- USSSP and USAC will work with the international community to organize a celebration of the JR during the AGU 2024 Fall Meeting in Washington DC, including a AGU Union session.
- No specific USSSP/USAC plans exist for JR celebrations in Amsterdam.

Workshop on the Future of Scientific Ocean Drilling with MSPs and Chikyu – Phase 2 Hybrid

**Phase 2**  
in-person

**Workshop** on the future of  
**Scientific Ocean Drilling:**  
Toward submission of drilling proposals  
**for IODP<sup>3</sup>**

Jointly organised by ESSAC and J-DESC/JAMSTEC

18 - 20 March 2024  
followed by a 2-day field trip

Nachikatsuura, Kii Peninsula

Nachikatsuura Town Sports & Cultural Center, 441-8 Tenma, Nachikatsuura-cho, Higashimuro-gun, Wakayama, 649-5331, Japan

JAPAN  
Kii peninsula

The Phase 2 Workshop was expected to offer the following benefits to participants:

- Allow a direct contact between proponents and operators
- Allow a direct contact between proponents and experienced senior scientists who will provide scientific advice
- Move from Design to Implementation

Participation:

251 registered participants

- 138 on-site

- 113 online

WORKSHOP (1&2) Steering Committee				
★ ECORD	★ Angelo Camerlenghi (Co-Chair)	OGS, Trieste, Italy	Tomo Morishita	Kanazawa University, Japan
	Masa Kinoshita (Co-Chair)	University of Tokyo, Japan	Yuki Morono	JAMSTEC, Japan
	Natsue Abe	JAMSTEC, Japan	★ Antony Morris	University of Plymouth, UK
	★ Giovanni Aloisi	IPGP, Paris, France	★ Oliver Plümer	Utrecht University, Netherlands
	★ Thorsten Bauersachs	Kiel University, Germany	★ Esther Schwarzenbach	University of Fribourg, Switzerland
	★ Rebecca Bell	Imperial College London, UK	★ Damon Teagle	University of Southampton, UK
	★ Helen Coxall	Stockholm University, Sweden	★ Lotta Ternieten	University of Utrecht, The Netherlands
	Junichiro Kuroda	University of Tokyo, Japan	Kohtaro Ujiie	Tsukuba University, Japan
	Azumi Kuroyanagi	Tohoku University, Japan	Asuka Yamaguchi	The University of Tokyo, Japan
	★ Steffen Kutterolf	GEOMAR, Kiel, Germany	Sanny Saito (PMO representative)	J-DESC, Japan
Kenji Matsuzaki	The University of Tokyo, Japan	★ Hanno Kinkel (PMO representative)	ESSAC, Italy	

THEMATIC BREAKOUT SESSIONS CONVENERS	2023	2024
Climate Change and Ocean Health	★ Helen Coxall Junichiro Kuroda	★ Junichiro Kuroda ★ Thorsten Bauersachs ★ Kenji Matsuzaki
Deep Earth	★ Esther Schwarzenbach Tomo Morishita	★ Natsue Abe ★ Damon Teagle ★ Lotta Ternieten
Geohazards	★ Becky Bell Kohtaro Ujiie	★ Steffen Kutterolf ★ Asuka Yamaguchi
Deep Life	★ <u>Vanni Aloisi</u> ★ <u>Yuki Morono</u>	★ <u>Vanni Aloisi</u> ★ <u>Yuki Morono</u>

Geography	On-site	Online	Total
<b>ECORD</b>	<b>42</b>	<b>30</b>	<b>72</b>
Austria	1	1	2
Canada	3	0	3
Denmark	-	-	-
France	9	1	10
Germany	11	9	21
Ireland	-	-	-
Italy	5	7	12
Portugal	-	-	-
Spain	1	0	1
Sweden	0	2	2
Switzerland	-	-	-
The Netherlands	1	1	2
UK	11	9	20
<b>Japan</b>	<b>81</b>	<b>42</b>	<b>123</b>
<b>ANZIC</b>	<b>5</b>	<b>6</b>	<b>11</b>
Australia	4	4	8
New Zealand	1	2	3
<b>USA</b>	<b>7</b>	<b>3</b>	<b>10</b>
<b>Others</b>	<b>11</b>	<b>8</b>	<b>19</b>
Brasil	4	0	4
Chile	1	0	1
China	0	4	4
Czech Republic	0	1	1
Korea	4	1	5
Pakistan	0	1	1
Philippines	0	1	1
Taiwan	2	0	2

**Preliminary considerations:**

- The objective of communicating the state-of-the-art in the shaping of IODP<sup>3</sup> to a wide audience has been achieved.
- Large diverse participation;
- Need for scientific ocean drilling confirmed by the scientific community;
- Large spread of geographic areas and many research questions within each scientific theme;
- Identification of gaps in scientific interests and the development of plans to involve more scientists to fill these gaps.
- It is hoped that the short-term outcome of the workshop will be the implementation of Planning Workshops, for both drilling expeditions and SPARCs.
- Planning workshops can be focussed not only on one drilling initiative, but also on a cluster (geographic/thematic) of drilling initiatives, perhaps bridging drilling expeditions and legacy assets.

The Workshop report is in progress.

## 5 – Reporting from boards and committees

- **Facility Board** (Sasha Turchin reports remotely, slides available to the participants)

Main messages: 4 Proposals Addendums have been accepted at January SEP, and 10 Proposals Addendums to be considered at June SEP meeting. Overall, we look at 14 proposals transferred from JRFB. To be added to those already residing at EFB and CIB. We should not consider that there is a 'queue' of proposals ready to be implemented, but rather a Pool of proposals. There is need of additional proposals to be submitted to IODP<sup>3</sup>. Next EFB Meeting (Joint with CIB) – Cambridge, UK - September 25-26

- **ESO** (Dave McInroy reports remotely, slides available to the participants)

Main messages: A new science operations Manager, Leo Barbosa, formerly Petrobras, has been hired. Schedule for IODP Exp. 406 – IODP<sup>3</sup> Exp. 501 (New England Hydrogeology). Tender to be published from July to September 2024.

- Evaluation September 2024
- Contract signed in October 2024.
- Funding will be shared among IODP<sup>2</sup>, IODP<sup>3</sup> and NSF. Up-scoping of the drilling plan and associated increasing costs allowed by expected NSF co-funding.
- Science Party will be maintained as selected for 2024 implementation (At least from the ECORD Side).

- **SEP** (Tim Reston reports remotely, slides available to the participants)

- **Magellan+** (Gilbert Camoin reports remotely, slides available to the participants)

Main message: Magellan3+ still under discussion with Japanese counterparts. The next call for workshops will close on September 15th, 2024 and can include workshops to plan SPACRS (for applications to be submitted in January 2026). The call might already solely be focused on IODP<sup>3</sup>.

- **PMOs (Angelo Camerlenghi) on site.**

The PMO Meeting in Wollongong, Australia, Oct. 12-13, 2023 addressed in particular the following:

- Publication reports

**Consensus item #3** *The publication office of the JOIDES Resolution Science Operator (JRSO) has demonstrated a commendable commitment to comprehensively capturing and analyzing the scientific outcomes of our program, delivering immense value to the PMOs. Their dedication to elucidating the broader societal impacts of our scientific results through Altimetric analysis is both insightful and serves as a reminder of the often-overlooked challenge of effectively communicating and educating the public about our program.*

**PMO Action item #1** *To ensure that the record of IODP publications and outcomes is complete, each PMO will develop a plan to identify Master's and PhD theses that are missing from the JRSO's publication records and coordinate with their respective communities on regularly reporting new theses.*

A discussion has addressed the possible ways to track PhD dissertations and Master Theses originating from Scientific Ocean Drilling data. A consensus is reached that ESSAC should prioritize the tracking of PhD dissertations, possibly through the Global PhD Data Base, to be explored. ESSAC should also contact scientists participating in Scientific Ocean Drilling to ensure they comply with the submission of the data of their students to the Global Database

<b>Action #3.</b> ESSAC will develop a plan to identify Masters and PhD theses that are missing from the JRSO's publication records and coordinate with their respective communities on regularly reporting new theses.
---

- Scientists Participation in IODP

**Consensus item #4** *The PMOs recognise that dedicated funding for international training is not available to all PMOs. While it is desirable to support undergraduate students attending international training courses, it can prove*

*challenging for the majority of countries to provide such assistance. To enhance support for students and to diversify cohorts, there is a pressing need for improved international cooperation and strategic planning.*

**Consensus item #6** *The PMOs agreed to establish their own mechanism to establish a mentoring database containing suitable scientists from each IODP lab, analysis and age groups, aimed at mentoring students and ECRs before and while they sail.*

After discussion, the consensus is that ESSAC delegates do not feel that mentorship is an issue. It is recognized that mentorship occurs spontaneously. The ECORD Web Page could include a button to request contacts for mentorship.

- Concluding IODP

**Consensus item #8** *Based on the suggestions and outcomes of the Outreach Working Group established at the September 2022 Forum, it is evident that the successful continuation of the scientific ocean drilling would benefit from the creation of two pivotal documents:*

1. *A closure report designed for the IODP community that demonstrates IODP's achievements against the IODP Science Plan. This document will identify the specific range of expeditions covered in the report, as the report will likely not cover results from the final IODP expeditions.*
2. *White paper(s) tailored for policymakers that are tied to the UN Decade of Ocean Sciences and present a forward-looking perspective on the continued need for scientific ocean drilling. These documents will need to cater to non-specialist audiences and encompass outcomes that are relevant to specific countries.*

**PMO meeting Action item #8** *PMOs are to nominate 1 or 2 scientists to join a new Science WG that will assist the Outreach Working Group in identifying the most significant IODP scientific findings and their implications. Nominations should be directed to the Chair of the Outreach WG by 31 October. The nominated representatives will then select two Science WG leaders.*

**PMO meeting Action item #10** *The Outreach WG will draft a white paper(s) for policy makers to be shared with PMOs in April 2024.*

**Action #4.** ESSAC Chair stands by and wait for the detailed agenda o the PMO Meeting in Japan. After that, ESSAC Chair will contact members to ask for input.

A discussion reaches a consensus that the summary of achievements is being done within ECORD members already, and it is too late to start working on a document to support policy makers in their deciaion regarding ECORD and IODP<sup>3</sup>.

**Action #5.** A short ESSAC white Paper will be drafted with input from Finland and Netherlands that need to compile a document for their national fundung agencies.

- Post-IODP and looking forward

**Consensus item #11** *The PMOs agreed that a coordinated approach to encouraging proposals and research around Flagship Initiatives would benefit the community, but given current uncertainties, the PMOs will wait until after the end of IODP before putting together a steering committee for the Flagship Initiative on Ground Truthing Future Climate Change.*

**Consensus item #12** *The PMOs agreed on a model whereby the meeting host acts as Chair for that meeting and for the period (about a year) until the next PMO meeting. The PMO host for the following meeting, once a location is determined, will provide a Vice Chair to assist over the year preceding the subsequent meeting. Under this arrangement, Ron Hackney will continue as PMO Chair until the next meeting, tentatively planned for Japan in September 2024, with Sanny Saito to take on the Vice Chair role.*

**PMO meeting Action item #11** *PMOs to work with ICDP to establish a Land-to-Sea Drilling Working Group to help overcome the challenges in implementing these types of drilling projects and to encourage more land-to-sea proposals*

Discussion reaches a consensus that Flagship Initiatives could be addressed by a specific Workshop within IODP<sup>3</sup>. Alternatively, the future Scientific Drilling Forum may be tasked to address and define the implementation process of Flagship Initiatives.

- Implementation of L2S proposals and drilling

The following items were presented for further discussion:

### **IODP<sup>3</sup> and ICDP guideline for discussion**

#### Co-design

Joint workshops Magellan<sup>3</sup>?

#### Land2Sea projects Implementation

Co-management

Cross-Programs Staffing

Co-funding of land drilling operations

#### Training

Schools and Courses under a joint 'scientific drilling' umbrella?

#### Outreach

Joint activities at International meetings (EGU, AGU other parts of the world?)

Scientific Drilling

other?

- Next PMO meeting

The next PMO meeting will be held back to back with IODP Forum in Shimizu (Japan), 3-5 September 2024 with the following draft agenda:

0900-1030 Welcome, introduction, PMO Reports

1030-1050 Coffee Break

1050-1230 Review of Action Items

1230-1330 Lunch

1330-1400 Status PMO Communications Working Group

1400-1500 Program Using Legacy Assets (Follow-up of Consensus 202310-10)

1500-1530 Coffee Break

1530-1630 Post-IODP and Looking Forward

- Steering Committee and Workshop on Flagship Initiatives (Follow-up of Consensus 202310-11)

- Ties with ICDP (Follow-up of Action 202310-11)

- Future PMO Coordination

1630-1700 Conclusions



## 6 – IODP LeAPs Calls

**IODP Pilot Call for LeAPs** (<https://www.iodp.org/submitting-leap-proposals>)

**Call# 1 Submission November 1, 2023**

**5 Pre-Proposals submitted.**

3 invited to submit a full proposal

2 invited to re-submit

**Call#2 Submission Deadline: April 1, 2024**

**2 Full-Proposals submitted** (to be reviewed by SEP in June 2024)

## 7 - Training and Outreach

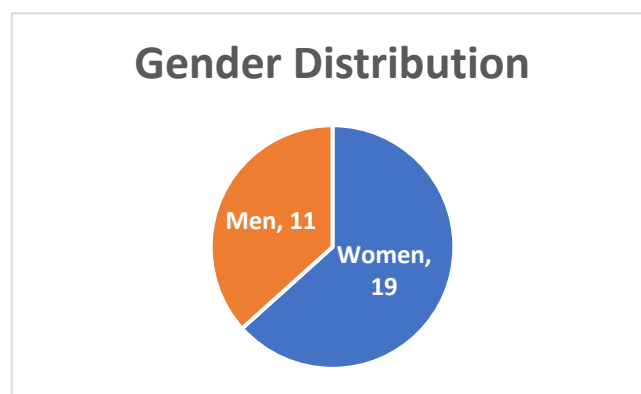
Hanno Kinkel summarizes the Training and Outreach activities.

### ECORD Grants, Summer Schools and Scholarships



\* ESSAC discussed and agreed to fund the Belgian applicant for the Urbino Summer School.

<u>URBINO 2024</u>	<u>20</u>
<u>LEICESTER 2024</u>	<u>5</u>
<u>BREMEN2024</u>	<u>5</u>



Distinguished Lecturer Program



Institutes that have requested the lectures (dark green: first priority; light green: second priority; no colour: third priority)

Cédric Michael John	University of Western Ontario	University of Innsbruck	Université de Lorraine	University Padua	OGS Trieste	University College Dublin		
Laura De Santis	Durham University	Kiel University	University College Cork	Ghent University	University of Ottawa	University of Leicester	University of Padua	Heidelberg University
Thomas Westerhold	Universidade of Aveiro	University of Leicester	Heidelberg University	Durham University	Ghent University	Leeds University	OGS Trieste	
Sverre Planke	Trinity College Dublin	University of Utah	University of Trieste	Géosciences Montpellier	University of Naples Federico II	Universidade of Aveiro		
Jenny A. Gales	Kiel University	University College Cork	University of Innsbruck	University Plymouth	University of Tromsø			
Rosalind M. Coggon	Géosciences Montpellier	University of Naples Federico II	Leeds University	University College Dublin	Trinity College Dublin	University of Western Ontario		

Note that the request from Ghent University to host the Lectures of DeSantis and Westerhold have been accepted.

Discussion on a possible proposal of an ECORD-Japan Program tailored to ECRs: JET: JAPAN ECORD EARTH SCIENCE RESEARCH TEAMS

To foster the collaboration between research in ECORD member countries and Japan within IODP<sup>3</sup>, we propose to establish a joint research program **JET (JAPAN ECORD RESEARCH TEAMS)**.

Through the past decades, the collaboration between researchers in Japan and ECORD member countries has grown, due to the intense involvement in scientific drilling programs (DSDP, ODP, IODP and ICDP).

However, no systematic exchange program, to support Early Career Researchers (ECR) has been developed. We therefore propose such a program to facilitate the exchange between the research communities.

A JET Research Team consists of two ECRs from an ECORD member country and Japan, respectively. These two researchers must develop and submit their proposal together, addressing a research topic that is relevant to the Science Framework and utilises material and/or data from DSDP/ODP/IODP/IODP<sup>3</sup> (this includes material and data, that are relevant for planning future MSP (Mission Specific Platform) expeditions within IODP<sup>3</sup>, e.g. seismic data).

The selected JETs will benefit from a two-month exchange (1 month Japan/ 1 month ECORD member country), where the ECRs work closely together in the respective home/host institution of the JET partners. We will ensure inclusivity of the program, by allowing virtual exchange in the case, that one, or both JET proponents are not able to travel.

The Host Institutions must support the JET teams by providing work and lab space, as well as help in organising the accommodation during the stay of the JET member abroad. In the case, that is beyond the capabilities of the host institution, the JET TEAM members must seek assistance from their national IODP<sup>3</sup> office/program. The Travel costs will be covered by the JET program. Details of the JET program, if implemented, should be discussed with ECORD members.

As this program is tailored towards Early Career Researchers, we will ensure, that opportunities are created to prepare a JET proposal. Therefore, we will prepare a virtual matchmaking conference JET-START (Science Team And Research Talks), that will enable ECRs to pitch their research ideas briefly and find an adequate partner. In addition, we will provide a website, where ECRs can advertise their ideas.

The duration of a JET will be one year in total, and the selected JET teams must present their (preliminary) results at the beginning of the annual JET-START conference, providing guidance for new ECRs in how to set up a proposal. (We retain flexibility in timing, as the main aim of reporting to JET-Start is to facilitate the matchmaking process and not presenting results, thus even teams who have started later are able to contribute).

After the end of the JET project, the JET team must provide a written report to the IODP<sup>3</sup> Office including a detailed plan for one publication.

Eligibility: All IODP<sup>3</sup> core members? Associated members (pending financial contribution)

Budget: 5000€/per Team member, covering travelling costs, lab costs, etc. (In kind contributions in term of accommodation by the host institution are welcome)

Application Procedure: Call released December, Matchmaking Event February, Deadline for submission Late March.

The proposal is well received and discussed with the following recommendations:

- 1) The JDESC should be willing to co-fund the initiative. A proposal should be presented to the ECORD-Japan IODP<sup>3</sup> planning group.
- 2) The JET calls do not replace entirely the Calls for ECORD grants, that are considered very useful to ECRs of ECORD Countries.

#### ECORD Sphere and future Training and Outreach activities

Recent exhibitions of the ECORD Sphere: Portugal, Italy, The Netherlands. Germany could be the next.

There is a need of an update of the ECORD Sphere content. A couple of volunteers are needed. The involvement of a student in science communication can be considered. The new content should relate more clearly to the science framework scientific themes. Should the sphere embrace all IODP<sup>3</sup> activities or only ECORD Activities (should the sphere become an IODP<sup>3</sup> sphere and be included in the communication and outreach plan of IODP<sup>3</sup>?).

<b>Action #8.</b> ESSAC Office reports to EOTF the need to plan the update of the content of the ECORD Sphere
---

**Action #9.** ESSAC Office makes the Flat (PC) version of the ECORD Sphere contents available to the ESSAC Delegates

An in-depth discussion has addressed the general issue of the outreach and communication strategy.

ESSAC delegates consider that the communication of the ECORD expeditions until now has not followed a coherent plan, with heterogeneous products and not consistent messages, communication channels, and targets. The identification of a Communication and Outreach Strategy could result from a Communication and Outreach Workshop.

ESSAC further express concern for the end of the involvement of Malgo Bednarz in ECORD. The occasion of a turnover should be taken to shape the Communication and outreach strategy in view of the start of IODP<sup>3</sup>.

**Action #10.** ESAC Office reports to the ECORD Council the urgent need to begin to define an IODP3-wide Outreach and Communication strategy in which the target audience, the communication channels, and the key messages are identified.

Special Issue on Scientific Drilling of the PAGES Magazine (Antje Voelker reports on-site, slides available to the participants)

The next PAGES Magazine, due out in Northern Hemisphere Fall 2024, will look at achievements and perspectives in scientific ocean and continental drilling in the field of paleoscience. With this Special Issue, the aim is to inform the broader paleoscience community about what is being done in the field related to the following topics: paleoceanography, paleoclimate, ecology, evolution of life, and geohazards. The issue will be guest edited by Shouting Tuo, Ron Hackney, Kenji Matsuzaki, Margarita Caballero, Kaustubh Thirumalai, Lisa Park-Boush, Simona Pierdominici, Katja Heeschen and Antje H. Voelker.



PAGES Magazine, Scientific Drilling issue 2024 vol 2

33 contributions:

19 linking to IODP of which 2 MSP and 1 Chikyu

Schedule:

- June 2024: Authors send articles to guest editors; review process begins
- **July 2024:** Review process continues, including PAGES IPO review of articles and additional reports in the magazine; guest editors write editorial
- As articles are finalized: typesetting, creation of proofs
- September 2024: Final reviews; check proofs and make corrections
- October 2024: Create webpages for magazine landing page and articles; publication

## 8 - Expedition Staffing

Below is a summary of the recent ECORD participation in IODP Expeditions

2023-2024-2025 Schedule		
STAFFED AND COMPLETED	Exp. 398 Hellenic Arc Volcanic Field	Dec 11, 2022 – Feb 10, 2023
	Exp. 399 Building Blocks of Life, Atlantis Massif	Apr 12 – Jun 12, 2023
	Exp. 395 Reykjanes Mantle Convection and Climate	Jun 12 – Aug 12, 2023
	Exp. 400 NW Greenland Glaciated Margin	Aug 12 – Oct 12, 2023
	Exp. 389 Hawaiian Drowned Reefs	Aug 31 – Oct 31, 2023
	Exp. 401 Mediterranean-Atlantic Gateway Exchange	Dec. 10, 2023 – Feb. 9, 2024
STAFFED AND ABOUT TO GO	Exp. 402 Tyrrhenian Continent-Ocean Transition	Feb. 9 – Apr. 8, 2024
	Exp. 403 Eastern Fram Strait Paleo-archive	June 4 – Aug. 2, 2024
STAFFED	Exp. 405 Japan Trench Tsunamigenesis	Sep 6 - Dec 20, 2024
STAFFED AND POSTPONED TO 2025 (IODP3)	Exp. 406 New England Shelf Hydrogeology	2025

### Exp. 401 Mediterranean-Atlantic Gateway Exchange

10 December 2023–9 February 2024, Amsterdam, Netherlands to Napoli, Italy

1	<b>Co-chief Scientist</b>	FLECKER, Rachel	UK	F
2	<b>Co-chief Scientist</b>	DOUCASSOU, Emmanuelle	FRA	F
3	<b>Sedimentologist</b>	FABREGAS, Natacha Fabregas	NOR	F
4	<b>Sedimentologist</b>	HERNANDEZ MOINA, Javier	UK	M
5	<b>Paleomagnetist</b>	KRIJGSMAN, Wout	NED	M
6	<b>Physical Properties specialist / Downhole Measurements</b>	RAAD, Fadl	FRA	M
7	<b>Micropaleontologis (Foraminifera)</b>	SIERRO Francisco Javier	ESP	M
1	<b>Special Call / Sedimentologist</b>	RODRIGUEZ TOVAR Francisco Javier	ESP	M
1	<b>Observer / Physical Properties Specialist</b>	TEIXEIRA, Manuel	POR	M

### Exp. 402 Tyrrhenian Continent-Ocean Transition

9 February–8 April 2024, Napoli to Napoli, Italy

1	<b>Co-chief Scientist</b>	ZITELLINI Nevio	ITA	M
2	<b>Igneous petrologist</b>	BICKERT, Manon	FRA	M
3	<b>Igneous petrologist (Shore-based)</b>	TRIBUZIO, Riccardo	ITA	M
4	<b>Inorganic/organic geochemist</b>	GONTHARED, Swanne	FRA	F
5	<b>Physical Properties</b>	LORETO Maria Filomena	ITA	F
6	<b>Sedimentologist</b>	MENAPACE, Walter	GER	M
7	<b>Physical properties / downhole measurements</b>	PEZARD, Philippe	FRA	M
1	<b>Special Call / Micropaleontology (Nannofossils)</b>	DISTEFANO, Agata	ITA	F
1	<b>Observer/Igneous Petrologist</b>	SANFILIPPO Alessio	ITA	M
2	<b>Observer/Structural Geologist/Petrologist</b>	VANNUCCHI Paola	ITA	F

### **Exp. 403 Eastern Fram Strait Paleo-Archive**

4 June–2 August 2024, Amsterdam to Amsterdam, The Netherlands

1	<b>Co-chief Scientist</b>	LUCCHI Renata Giulia	ITA	F
2	<b>Micropaleontologist (Dinocysts)</b>	DE SHEPPER Stijn	NOR	M
3	<b>Stratigraphic Correlator and Sedimentology</b>	GEBHARDT Catalina	GER	F
4	<b>Micropaleontologist/Nannofossils</b>	GONZALEZ-LANCHAS Alba	UK	F
5	<b>Physical Properties Specialist</b>	GRUEZTNER Jens	GER	M
6	<b>Micropaleontologist (foraminifers)</b>	HUSUM Katrine	NOR	F
1	<b>Special Call /Micropaleontologist (diatoms)</b>	BARCENA Maria A.	ESP	F

### **Exp. 405 Tracking Tsunamigenic Slip Across the Japan Trench (JTRACK)**

6 September – 20 December 2024, Shimizu to Shimizu, Japan

1	<b>Co-chief Scientist</b>	CONIN, Marianne	FRA	F
2	<b>Co-chief Scientist</b>	KIRKPATRICK, Jamie	CAN	M
3	<b>Physical Properties &amp; Logging</b>	MAI-LIN, Doan	FRA	F
4	<b>Structural Geology</b>	VANNUCCHI, Paola	ITA	F
5	<b>Sedimentology</b>	NICHOLSON, Uisdean	UK	M
6	<b>Sedimentology</b>	PIZER, Charlotte	AUT	F
7	<b>Sedimentology</b>	BELLANOVA, Pierro	GER	M
8	<b>Sedimentology</b>	BRUNET, Morgane	FRA	F
9	<b>Physical Properties</b>	IKARI, Matt	GER	M
10	<b>Physical Properties &amp; Logging</b>	JURADO, Maria-Jose	ESP	F
11	<b>Physical Properties &amp; Logging</b>	PEI, Pei	FRA	F
12	<b>Physical Properties &amp; Logging</b>	FORD, Jonathan	ITA	M
13	<b>Geochemistry</b>	ROBERTSON, Rebecca	UK	F
14	<b>Geochemistry</b>	ZHANG, Junli	GER	M
1	<b>Special Call / Structural Geology</b>	GÜRER, Derya	GER	F
2	<b>Special Call / Sedimentology</b>	GOUGH, Amy	UK	F
3	<b>Special Call / Sedimentology</b>	TUREL, Cédric	FRA	M
4	<b>Special Call / Paleomagnetism</b>	SATOLLI, Sara	ITA	F

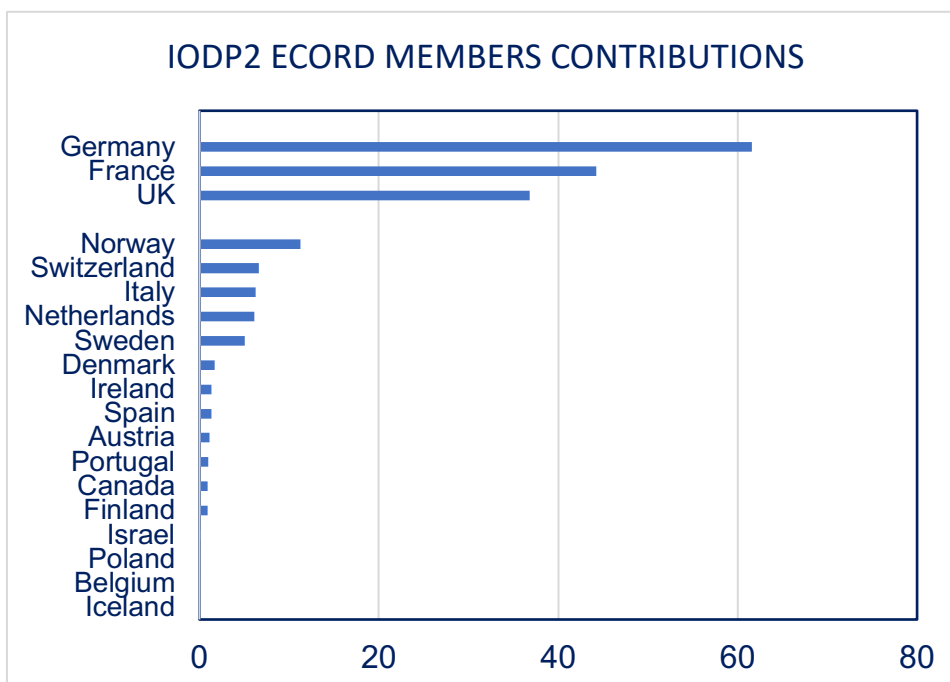
### **Exp. 406 New England Shelf Hydrogeology**

2025, TBD with IODP<sup>3</sup>

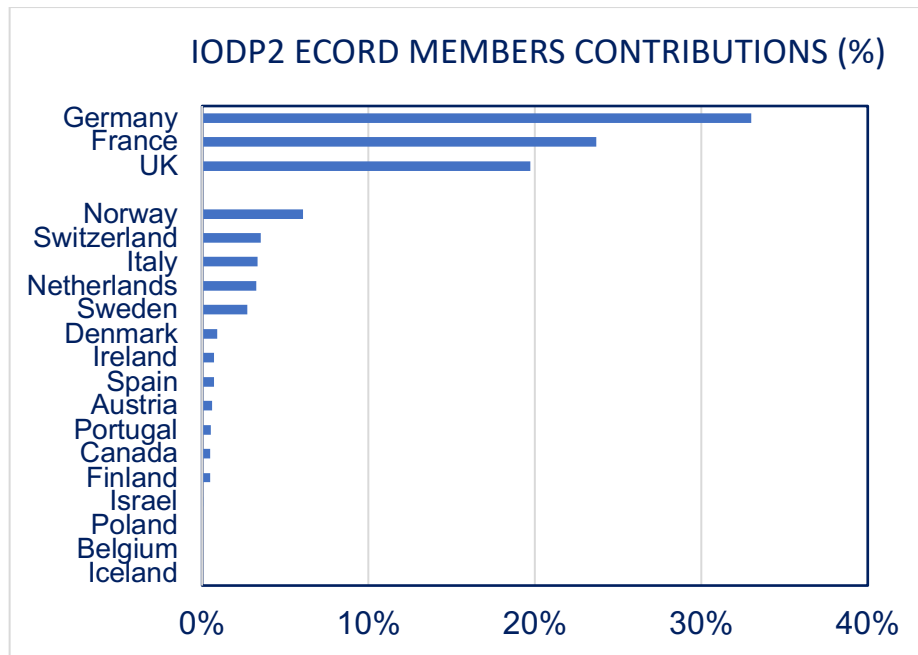
1	<b>Core Description, Stratigraphic Correlation Petrophysics</b>	GAMBOA, Davide	POR	M
2	<b>Organic Geochemistry</b>	HEUER, Verena	GER	F
3	<b>Inorganic Geochemistry</b>	KIPFER, Rolf	SUI	M
4	<b>Inorganic Geochemistry</b>	MÜLLER, Thomas	GER	M
5	<b>Inorganic Geochemistry</b>	van BREUKELEN, Boris	NED	M
6	<b>Inorganic Geochemistry</b>	ZABEL Matthias	GER	M
7	<b>Core description, Inorganic Geochemistry</b>	BEKAERT, David	FRA	M
8	<b>Core description</b>	ROSSI Valentina	ITA	F
9	<b>Inorganic Geochemistry</b>	LONGEAU, Alize	FRA	F
10	<b>Organic Geochemistry</b>	ten HIETBRINK, Sophie	SWE	F
11	<b>Petrophysics</b>	SOLEIMANI, Mojgan	FRA	M

The final situation of ECORD members contribution (and resulting percentages) during IODP is the following:

Member	Financial contributions						Total contributions	% contribution
	Contributions (\$US) upto and inc 2019	FY 2020 (\$US)	FY 2021 (\$US)	FY 2022 (\$US)	FY 2023 (\$US)	FY 2024 (\$US)		
France	26,682,460	3,908,000	4,328,800	3,146,680	3,146,680	3,000,000	44,212,620	23.69%
Germany	33,600,000	5,600,000	5,600,000	5,600,000	5,600,000	5,600,000	61,600,000	33.01%
UK	22,089,870	3,364,000	3,545,300	3,386,000	1,110,000	3,315,572	36,810,742	19.72%
<b>Sum</b>	<b>82,372,330</b>	<b>12,872,000</b>	<b>13,474,100</b>	<b>12,132,680</b>	<b>9,856,680</b>	<b>11,915,572</b>	<b>142,623,362</b>	<b>76.42%</b>
Austria	600,000	100,000	100,000	100,000	100,000	100,000	1,100,000	0.59%
Canada	323,400	106,000	115,000	115,000	115,000	115,000	889,400	0.48%
Denmark	940,800	146,000	146,000	150,000	150,000	147,180	1,679,980	0.90%
Finland	480,000	80,000	80,000	80,000	80,000	80,000	880,000	0.47%
Ireland	746,810	109,000	120,000	120,000	120,000	100,000	1,315,810	0.71%
Italy	2,700,000	500,000	600,000	700,000	750,000	1,000,000	6,250,000	3.35%
Netherlands	3,100,000	600,000	600,000	600,000	600,000	600,000	6,100,000	3.27%
Norway	6,600,000	1,100,000	1,100,000	1,100,000	1,100,000	291,058	11,291,058	6.05%
Portugal	540,000	90,000	87,700	90,000	90,000	90,000	987,700	0.53%
Spain	329,000	0	0	660,000	165,000	150,000	1,304,000	0.70%
Sweden	3,040,000	400,000	400,000	400,000	400,000	400,000	5,040,000	2.70%
Switzerland	3,600,000	600,000	600,000	600,000	600,000	600,000	6,600,000	3.54%
Belgium	58,100						58,100	0.03%
Iceland	30,000						30,000	0.02%
Israel	90,000						90,000	0.05%
Poland	60,000						60,000	0.03%
<b>Sum</b>	<b>23,574,110</b>	<b>3,831,000</b>	<b>3,948,700</b>	<b>4,715,000</b>	<b>4,270,000</b>	<b>3,673,238</b>	<b>44,012,048</b>	<b>23.58%</b>
<b>TOTAL ECORD</b>	<b>105,946,440</b>	<b>16,703,000</b>	<b>17,422,800</b>	<b>16,847,680</b>	<b>14,126,680</b>	<b>15,588,810</b>	<b>186,635,410</b>	<b>100.00%</b>







The resulting berths distribution across the whole IODP2 program is the following:

Total berths	Total quota berths	Total non-quota berths	Berth entitlement	Quota difference	Total difference	% of quota berths	% of total berths	% budget	% difference quota berths	% difference total berths
88	82	6	86.9	-4.9	1.1	22.34	18.84	23.69	-1.35	-4.85
136	111	25	121.1	-10.1	14.9	30.25	29.12	33.01	-2.76	-3.88
111	77	34	72.4	4.6	38.6	20.98	23.77	19.72	1.26	4.05
<b>335</b>	<b>270</b>	<b>65</b>	<b>280.5</b>	<b>-10.5</b>	<b>54.5</b>	<b>73.57</b>	<b>71.73</b>	<b>76</b>	<b>-2.85</b>	<b>-4.68</b>
12	6	6	2.2	3.8	9.8	1.63	2.57	0.59	1.05	1.98
6	4	2	1.7	2.3	4.3	1.09	1.28	0.48	0.61	0.81
7	5	2	3.3	1.7	3.7	1.36	1.50	0.90	0.46	0.60
1	1	0	1.7	-0.7	-0.7	0.27	0.21	0.47	-0.20	-0.26
3	3	0	2.6	0.4	0.4	0.82	0.64	0.71	0.11	-0.06
30	18	12	12.3	5.7	17.7	4.90	6.42	3.35	1.56	3.08
14	13	1	12.0	1.0	2.0	3.54	3.00	3.27	0.27	-0.27
18	17	1	22.2	-5.2	-4.2	4.63	3.85	6.05	-1.42	-2.20
7	3	4	1.9	1.1	5.1	0.82	1.50	0.53	0.29	0.97
11	8	3	2.6	5.4	8.4	2.18	2.36	0.70	1.48	1.66
10	8	2	9.9	-1.9	0.1	2.18	2.14	2.70	-0.52	-0.56
10	8	2	13.0	-5.0	-3.0	2.18	2.14	3.54	-1.36	-1.39
1	1	0	0.1	0.9	0.9	0.27	0.21	0.03	0.24	0.18
0	0	0	0.1	-0.1	-0.1	0.00	0.00	0.02	-0.02	-0.02
1	1	0	0.2	0.8	0.8	0.27	0.21	0.05	0.22	0.17
1	1	0	0.1	0.9	0.9	0.27	0.21	0.03	0.24	0.18
<b>132</b>	<b>97</b>	<b>35</b>	<b>86.5</b>	<b>10.5</b>	<b>46.1</b>	<b>26.43</b>	<b>28.27</b>	<b>23.4</b>	<b>3.03</b>	<b>4.86</b>
<b>467</b>	<b>367</b>	<b>100</b>	<b>367</b>	<b>0</b>	<b>101</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>0</b>	<b>0</b>

It is suggested that the presentation of the Performance of ECORD members with respect to participation in Expeditions science parties in IODP2 should be expressed in total berths in relation of the Berth entitlement proportional to the financial contribution. The difference between quota berths and non-quota berths is considered as an unnecessary complexity. The final representation is therefore the following:

<b>ECORD IN IODP2</b>	Berths
TOTAL ENTITLED	367
TOTAL	467
GAIN	100

ALL ECORD MEMBERS OBTAINED MORE BERTHS THAN THEY PAID FOR WITH THE FOLLOWING EXCEPTIONS:

	Berths
Finland	-0.7
Norway	-4.2
Switzerland	-3.0

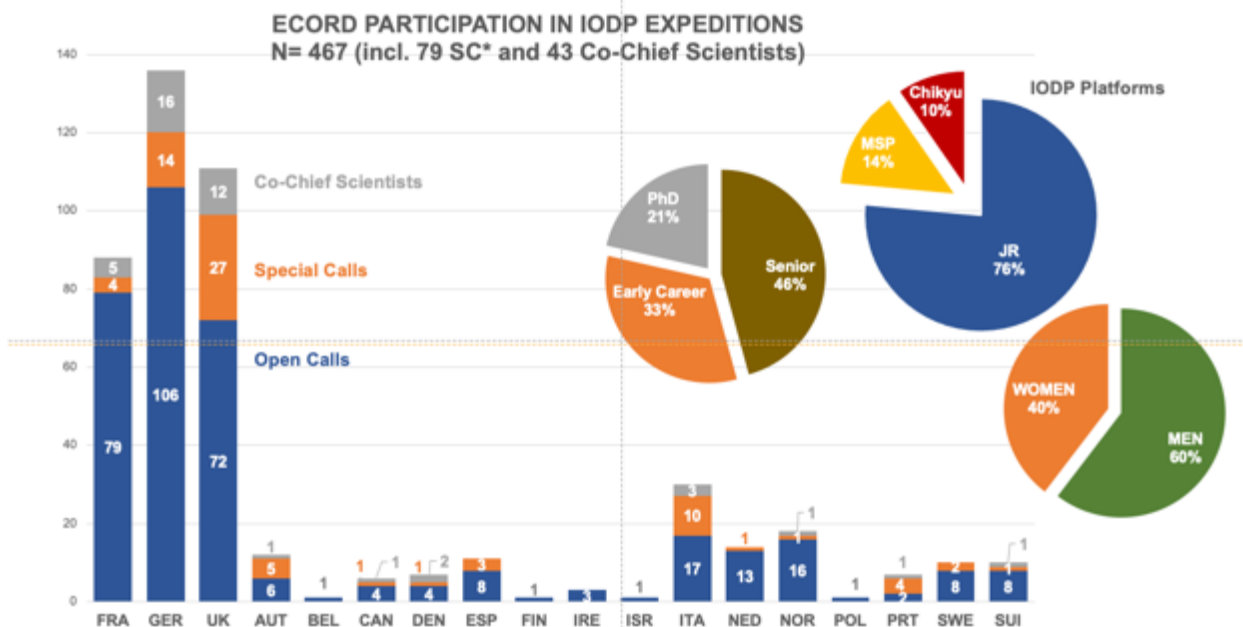
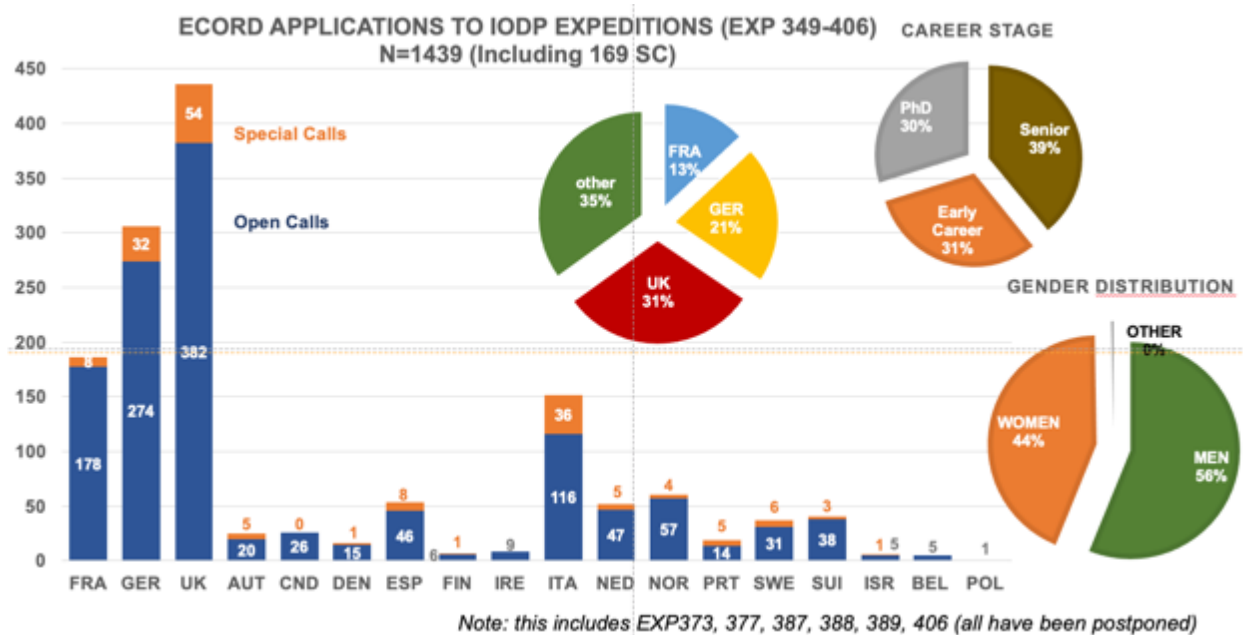
Member	Berth entitlement	Total berths	Total difference
France	86.9	88	1.1
Germany	121.1	136	14.9
UK	72.4	111	38.6
<b>Sum</b>	<b>280.5</b>	<b>335</b>	<b>54.5</b>
Austria	2.2	12	9.8
Canada	1.7	6	4.3
Denmark	3.3	7	3.7
Finland	1.7	1	-0.7
Ireland	2.6	3	0.4
Italy	12.3	30	17.7
Netherlands	12.0	14	2.0
Norway	22.2	18	-4.2
Portugal	1.9	7	5.1
Spain	2.6	11	8.4
Sweden	9.9	10	0.1
Switzerland	13.0	10	-3.0
Belgium	0.1	1	0.9
Iceland	0.1	0	-0.1
Israel	0.2	1	0.8
Poland	0.1	1	0.9
<b>Sum</b>	<b>86.5</b>	<b>132</b>	<b>46.1</b>
<b>TOTAL ECORD</b>	<b>367</b>	<b>467</b>	<b>101</b>

The negative budget of Norway can be ascribed to cancellation/postponement of ArcOP and Brazil margin, and 399 change of affiliation/relatively low number of applications received. The negative budget of Switzerland can be ascribed to a relatively low number of applications received.

Exceptionally positive budgets have been obtained by the following members:

- Austria: thanks to special Call success with Chikyu expeditions in particular.
- Italy: thanks to the exceptional participation in 2024 that includes 6 berths (of which 2 observers and one co-chief scientist) in IODP Exp 402 (Tyrrhenian Sea)
- Spain: Thanks to the relatively high number of applications compared to budget and success in Special Calls.

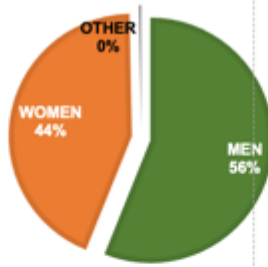
Additional statistics is summarized in the plates below:



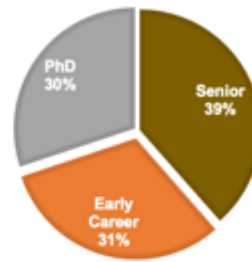


Applications  
N= 1439 (incl. 169 SC)

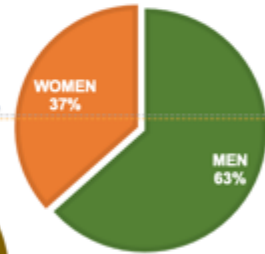
GENDER DISTRIBUTION



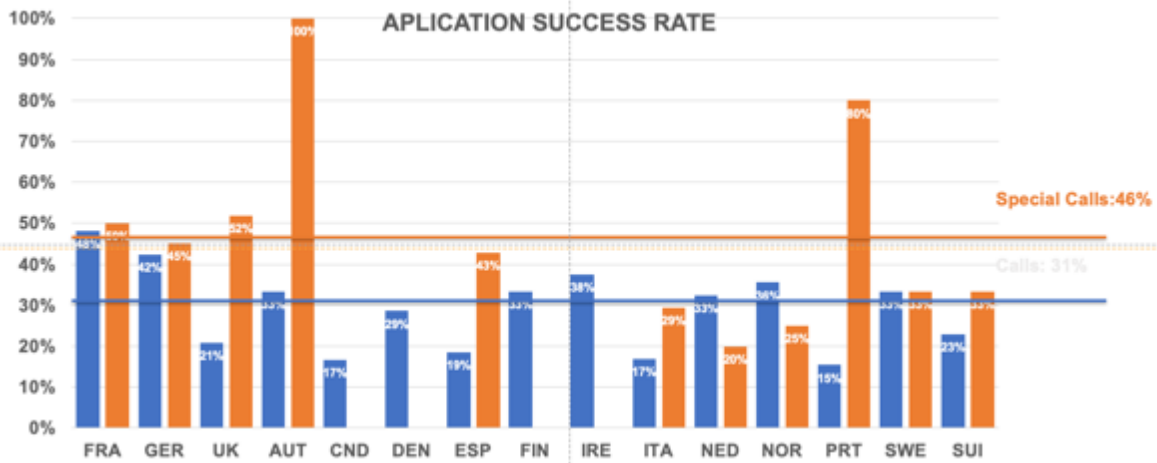
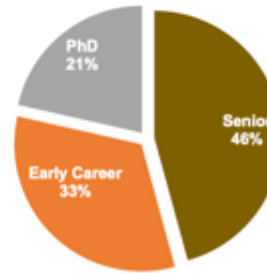
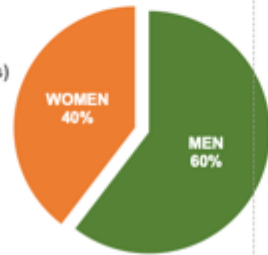
CAREER STAGE



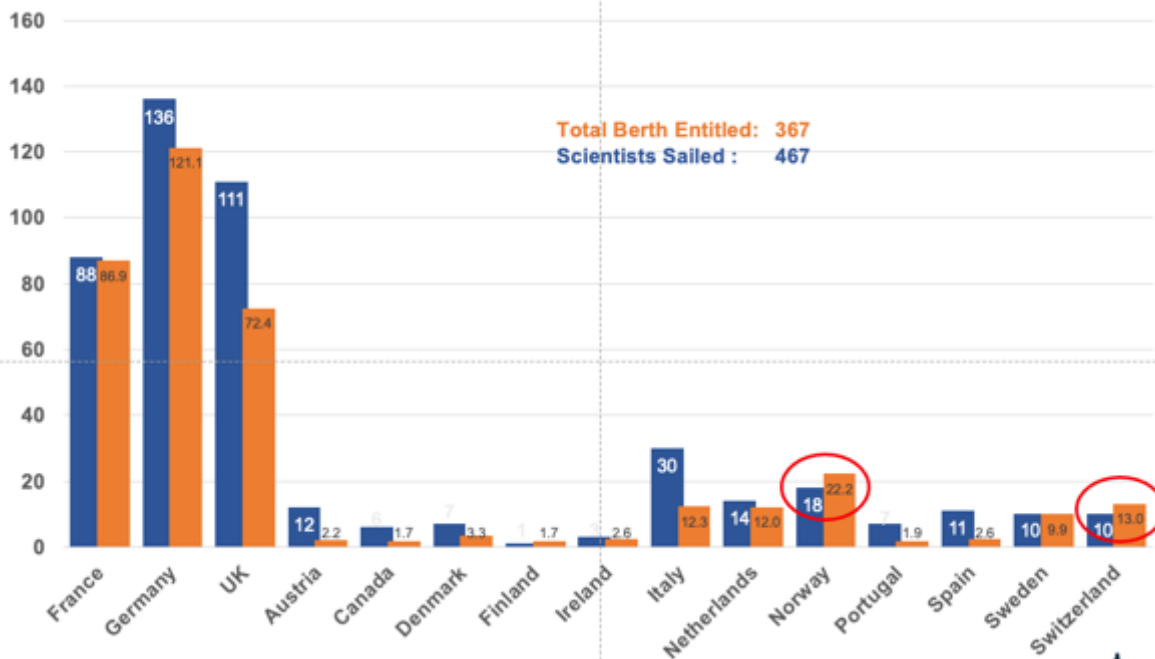
CO-CHIEF SCIENTISTS  
N=43



Sailing  
N= 467  
(incl. 79 SC\* and 43 Co-Chief Scientists)



Total Berth vs Berth Entitlement



## 10 - AOB AND NEXT MEETING

In view of the rotation off ESSAC of former Chair and Vice-Chair Tony Morris, as a sign of appreciation for the dedication and sympathy that has characterized Tony's involvement in ESSAC during the last 6 years, the delegates honor Tony Morris with the special **ESSAC Red Chair**, which he can take with him as often as he wants to remember the friends of ESSAC.

Next Meeting (ESSAC Fall 2024 Meeting) will be held before the Joint ECORD Council – ESSAC Meeting in Oslo, Norway on Monday October 28 afternoon.

Delegates and Alternates are invited to consider hosting the ESSAC Spring 2025 Meeting.

ESSAC warmly thanks Joonas Virtasalo and Christoph Beier for hosting the meeting.

The meeting ends at 16:30 on May 29 2024