



MINUTES

ESSAC Meeting # 5 ECORD Science Support & Advisory Committee (ESSAC)

26 October 2015
Naples, Italy



Photos by D. Weis



Table of Contents

	Pages
1. Introduction	1
1.1 Call to order, introductions	
1.2 Welcome and meeting logistics	
1.3 Approval of the (1) agenda and (2) minutes from the 4 th ESSAC meeting, Uppsala	
1.4 Review of consensus and action items from Uppsala ESSAC meeting #4	
 2. ESSAC Activities and News	 2
2.1 ESSAC representatives and National Office reports / issues	
 3. Expeditions, Nominations and Staffing	 6
3.1 Staffing	
3.1.1 Updates on expedition staffing and applications (<i>ESSAC Annex 1</i>)	
3.1.2 Discussion – Quotas, CPPs, in-kind contributions (<i>ESSAC Annex 2</i>)	
3.1.3 Upcoming deadlines	
3.2 Update on advisory panel members and applications	
 4. Education and outreach – updates and outstanding issues	 15
4.1 Update on status of DLP – scheduling, budget	
4.2 ECORD Summer Schools & Training Courses	
4.2.1 Update on Summer Schools 2015	
4.2.1 Summer Schools 2016	
4.3 ECORD Scholarships 2015 and statistics	
4.4 ECORD Grants	
4.4.1 Awardees 2015 and statistics	
4.5 Discussion of Grant awards criteria, procedure and ESSAC participation in rankings.	
4.5.1 Need for an official evaluation committee?	
4.5.2 Need to increase individual award amounts? Fewer awards, more money?	
4.6 Teachers at Sea	
4.6.1 Status of applications and participation	
4.7 Upcoming E & O calls 2016	
 5. Discussion of ESSAC Terms of Reference – (<i>ESSAC Annex 4</i>)	 25

6.	Discussion of proposed ESSAC Budget 2016	26
6.1.1	Increased budget Items	
6.1.2	Other/new items	
7.	ECORD Websites	27
8.	Next meetings	27
8.1	Any outstanding issues for discussion during Joint ECORD/ESSAC meeting #3?	
8.2	ESSAC #6, May/June, 2016 – proposal Portugal?	
9.	Any other business	29

ESSAC-Annex 1: Current Staffing (last update October 2015)

ESSAC-Annex 2: ECORD Quotas (last update October 2015)

ESSAC-Annex 3: Distinguished Lecturer Programme (DLP) update

ESSAC-Annex 4: ESSAC Terms Of Reference (TOR)

List of Participants

ESSAC Office

Julia Gutiérrez Pastor	ESSAC Science Coordinator
Dominique Weis (Meeting Chair)	ESSAC Delegate Canada

ESSAC Representatives

Andrea Argnani	ESSAC Delegate Italy
Georges Ceuleneer	ESSAC Delegate France
Aarno Kotilainen	ESSAC Delegate Finland
Lucas Lourens	ESSAC Delegate Netherlands
Xavier Monteys	ESSAC Delegate Ireland
Antony Morris	ESSAC Delegate UK
Werner Piller	ESSAC Delegate Austria
Marit-Solveig Seidenkrantz	ESSAC Delegate Denmark
Rüdiger Stein	ESSAC Delegate Germany
Piotr Przewdzicki	ESSAC Alternate Poland
Antje Voelker	ESSAC Delegate Portugal
Nicolas Waldmann	ESSAC Delegate Israel
Jean-Pierre Henriët	ECORD Council Belgium
Thomas Andrén	ESSAC Representative Sweden

EMA/ESO/ Liaisons

Patricia Maruéjol	EMA
Ursula Röhl	ESO

Apologies

Gretchen Früh-Green (Chair)	ESSAC Delegate Switzerland
Jan Behrmann	ESSAC Vice-Chair (Germany)
Flavio Anselmetti*	ESSAC Representative Switzerland
Gilbert Camoin*	EMA
Nadine Hallmann*	EMA
Ian Snowball	ESSAC Delegate Sweden
Kikki F. Kleiven	ESSAC Delegate Norway
David Van Rooij	ESSAC Delegate Belgium
Alan Stevenson	ESO

* Joint ECORD/ESSAC meeting only

1. Introduction

1.1 Call to order, Introductions

D. Weis welcomed all ESSAC delegates, alternates and observers and invited guests to the 5th ESSAC Meeting in Naples, Italy. The ESSAC meeting started with self-introductions of each participant.

1.2 Welcome and meeting logistics

M. Sacchi provided information about the meeting logistics.

1.3 Approval of the (1) agenda and (2) minutes from the 4th ESSAC meeting, Uppsala

D. Weis summarized the current agenda and reviewed goals of the meeting. The ESSAC Delegates approved the agenda.

ESSAC CONSENSUS 1510-01: ESSAC approves the agenda of the 5th ESSAC meeting on 26 October 2015 in Naples, Italy.

ESSAC CONSENSUS 1510-02: ESSAC approves the minutes of the 4th ESSAC meeting on 18-20 May 2015 in Uppsala, Sweden.

1.4 Review of action items since the ESSAC Zurich meeting

J. Gutierrez-Pastor and D. Weis asked to the delegates if there were any comments about the main action items since the last ESSAC meeting. No new comments were added. The list below contains the actions items, which were raised at the 4th ESSAC meeting in Uppsala. Action items that had been accomplished by the ESSAC Office were labelled as “Done”.

> **ESSAC Action Item 1505-01:** Prior to sending out ranking packages, the ESSAC Office will consult with the co-chiefs about details of required expertise and any other details of the expedition goals that may not be included in the expedition calls or summaries. *Done.*

> **ESSAC Action Item 1505-02:** The ESSAC Office shall standardize the acronyms used for countries to avoid confusion. *Done.*

> **ESSAC Action Item 1505-03:** The ESSAC Office shall contact the main proponents of the newly proposed ECORD Summer School in 2016 “Summer School in Petrophysics (physical properties of ocean sediments and basement from downhole logs and core)” in Leicester to have more details about the proposal (such as a detailed budget and amount requested, number of teachers, sources of funding, etc). This information will allow the ESSAC delegates to make a second evaluation of the proposal by email. *Done.*

> **ESSAC Action Item 1505-04:** After receiving more details about the organisation and budget of the 1st ECORD Summer School in Petrophysics, the ESSAC Office will initiate a discussion by email among the ESSAC delegates and/or Education and Outreach Subcommittee to have the final approval for funding. *Done.*

> **ESSAC Action Item 1505-05:** ESSAC intends to request € 25,000 to the ECORD Council to fund ECORD Summer Schools 2016. After email discussion, ESSAC will request € 30,000. *Done.*

> **ESSAC Action Item 1505-06:** The ESSAC Office shall communicate to the applicants the outcome of the selection of the ECORD scholarships and grants. *Done.*

> **ESSAC Action Item 1505-07:** The ESSAC Office shall communicate the outcome of the selection of the ECORD Summer Schools 2016 to the main proponents of the proposals. *Done.*

> **ESSAC Action Item 1505-08:** The ESSAC Office shall create an online questionnaire for the students that attended the ECORD Summer Schools. The purpose is to get feedback about their degree of satisfaction with the schools. The questions of this questionnaire should be circulated and approved by the ESSAC Education and Outreach Subcommittee. *Done.*

> **ESSAC Action Item 1505-09:** The ESSAC Office shall request a new budget from the main proponents of the ECORD Training School 2016 (Bremen) to clarify some inconsistency between the budget numbers and total amount requested. *Done.*

> **ESSAC Action Item 1505-10:** The ESSAC Chair shall communicate to ESO and the ECORD Council the wish to modernise the appearance, functionality and usability of the ECORD websites and to update the content to make them more user friendly, informative and attractive to the younger generations. *Done.*

> **ESSAC Action Item 1505-11:** The ESSAC Office shall include job descriptions for the IODP Expeditions in the “ECORD Guidelines for Applying to Sail” document that is posted on the ESSAC Website. *Done.*

> **ESSAC Action Item 1505-12:** In the interest of continuing good communication, the ESSAC Chair is requested to write a letter to EMA and the ECORD Council members to open discussions regarding the term of the ESSAC Chair, participation of EMA in ESSAC meetings, and participation and the role of the ESSAC Chair in VTF and ECORD Council meetings. A draft version shall be circulated by email and approved by the ESSAC delegates and alternates at the Uppsala ESSAC meeting. *Done.*

> **ESSAC Action Item 1505-13:** The ESSAC Chair shall circulate a new version of the ESSAC Terms of Reference (TOR) among the ESSAC delegates for final approval. These shall include responsibilities of the ESSAC Chair and ESSAC Science Coordinator. *Done.*

> **ESSAC Action Item 1505-14:** ESSAC shall identify potential ECORD scientists willing to lead and organise the IODP-ICDP Session “Achievements and perspectives in scientific ocean and continental drilling” of the Ocean and Continental Drilling subgroup of Stratigraphy, Sedimentology & Paleontology (SSP) at the annual EGU General Assembly (Vienna). *Done.* Jan Behrmann will organise the session.

> **ESSAC Action Item 1505-15:** The ESSAC Office shall contact Marco Sacchi as host of the next joint ESSAC/ECORD meeting (Naples) in October to request the possibility to change the order of dates for the ESSAC meeting and Fieldtrip (ESSAC meeting on the first day, Monday 26 October from 13:00 to 17:30, and the field trip on Tuesday 27 October). *Done.*

2. ESSAC Activities and News

2.1 ESSAC representatives and National Office reports / issues

Each ESSAC delegate gave a short summary about the latest national activities regarding IODP and ECORD issues.

UK, A. Morris

The Expedition 357 is leaving now from Southampton. This is the first IODP expedition in a British ship with a BGS rock drill for first time. There was an article in the BBC News related to Exp. 357. He wishes success in the Exp. 357. UK had a successful IODP Conference in Newcastle in September, which was particularly interesting for the young scientists. About 100 people attended the conference. A. Morris presented an update on UK-IODP Site Survey Initiative grant round 2015. The following proposals were supported:

Title: From Ridge to Trench, Mohole to Bend-Faults

Investigators: Henstock, Teagle (Soton), Morgan, Vannucchi (Royal Holloway)

Supports M2M - IODP-805MDP and Bend Fault Serpentinization proposal 876-Pre

Title: Paleogene Climate and Deep-water Evolution in the Southwest Atlantic: Seismic Reflection and Coring Investigations in Support of IODP Proposal 862-Pre

Investigators: Bohaty, Wilson (Soton), Larter, Hogan, Hillenbrand (BAS)

Supports 862-Pre

Title: Unlocking the secrets of slow slip with IODP drilling and next generation seismic experiments

Investigators: Bell, Morgan, Warner (Imperial), Fagering (Cardiff), McNeill (Soton)

Supports 781-MDP, 781A, 781B

Title: Virtual Site Survey of Pernambuco Plateau, Brazil in support of IODP 864: Origin, Evolution and Palaeoenvironment of the Equatorial Atlantic Gateway

Investigators: Jones, Reston, Dunkley Jones (Birmingham)

Supports 864

Total overall: £1,029,939 + superstructure costs

A. Morris mentioned that he is replacing to B. Wade as ESSAC delegate.

Ireland, X. Monteys

They do not have participants in IODP Expeditions. However, they have some IODP related events. There were a couple of open seminars in the University of Dublin and UCB, with very good attendance (students and post-docs). There is a new Geosciences program called ICRAAG, with a good component in Marine Geology and Hydrocarbons. They are recruiting people. There will be an annual seminar in November, with some IODP related topics.

Belgium, J. P. Henriët

J. P. Henriët represents the Flandres Funding Agency of Belgium in IODP. They have a small community, mainly in Brussels, Leuven and Gante. Early this year, there was a Workshop in Rabat, Morocco (RCMNS Interim Colloquium Mediterranean-Atlantic Gateways (Neogene to Present) (May 5-8, 2015), where the IODP Mediterranean Outflow community met. The Belgium ESSAC delegate, D. Van Rooij, was the head in the Gateway cruise on board of the Marion Dufresne. They are looking forward for the MSP Chicxulub Expedition. They are happy to move, in a modest active way, into ICDP activities.

Poland, P. Przewdziecki

P. Przewdziecki informed that they do not have a general director in PGI yet. The Ministry has not approved a new director, although the second competition has ended. The marine geology team in PGI wants to buy a motorboat with geophysical equipment for investigating the Polish coast.

Sweden, T. Andrén

He is substituting I. Snowball in this meeting. Although he has not 100% of the Swedish IODP updates for ESSAC, he has known from the council that the interest of Sweden is to drill the Arctic. T. Andrén was arranging the second post-cruise meeting of Exp. 347 "Baltic Sea". It has been very useful and fruitful, even getting titles for publications, not only topics of research. There is a proposal in the system from Sweden to drill in the Arctic.

Finland, A. Kotilainen

A. Kotilainen, the post-doc O. Hyttinen and a new master science student are working on Expedition 347. Regarding dissemination, they have presented results in the Japan Geoscience Union meeting (May 2015) and in the Baltic Sea Science Congress in Riga (Latvia, June 2015). Also he has participated in the 2nd post cruise meeting in Stockholm, where IODP presentations were done.

The Netherlands, L. Lourens

They had the annual meeting in March 13, 2015. Antony Morris was invited as a DLP lecturer. The lecture was successful and good attended. About Expedition applications they are doing very well: Willen Renema was sailing on Exp. 356 Indonesian Throughflow; John Reijmer is sailing on Exp. 359 Maldives Monsoon; Oliver Plumber will sail on Exp. 360 SW Indian Ridge Lower Crust and Moho; Jeroen Van der Lubbe will be sailing on Exp. 361 Southern African Climates. There is a good balance between disciplines: Climate and solid Earth. This is a good signal to show to the National Science Foundation.

Italy, A. Argnani

They set a new commission to run IODP Italy. There are several Italian applications. Currently there is an Italian scientist, Luca Lanci, sailing on Exp. 359 Maldives Monsoon. They still are a little behind in the organization. They do not know how to deal with funds for people that are not participating in IODP Expeditions. There is some money left after paying the ECORD fee. There are some ideas about how to invest this money: for post-cruise research, shore-based scientist, PhDs...but still it is not decided. There is quite a lot interest in the Antarctic research, mainly by the group in Trieste (OGS). There is an IODP Proposal with Italian proponents in the system.

France, G. Ceuleneer

Since January 2015, there are new people at the head of INSU (Institut National des Sciences de l'Univers of the CNRS): Pascale Delécluse, general director and Eric Humler, deputy director for Earth Sciences. INSU is in charge of the budget application to the Ministry of Research for the French participation of France in the IODP Program. Eric is an igneous petrologist with experience in IODP/ODP. He is a strong supporter of the program. One concrete action is that INSU is directly funding on its budget two post-docs contracts to allow young scientists to participate in Exp. 361 and 362. These are the first two post-doc that have benefited from such a direct support of CNRS to IODP-France. Another concrete action, supported by Gilbert Camoin, is that 200.000 euros/year is attributed to the IODP-France office to

support post-cruise research of participants to recent cruises and for the study of samples from older cruises. Projects are evaluated by a committee of 6 experts. There will be an IODP-France meeting in November 2016 at the CNRS in Paris. This meeting will be very important concerning to the renewal of IODP France in the program for the following 5 years. Improving the connections between IODP and ICDP is another goal of IODP France. It is still in process. There is a new local Newspaper issued by the IODP France Science coordinator that is available in the IODP France webpage.

Austria, W. Piller.

The Austrian community is doing well. There was a young scientist sailing on the ITF Exp. 356. Three projects for Post-docs and PhDs are running in the national Science Foundation. There is an invited scientist for the Exp. 364 Chicxulub Impact Crater. There is one more Austrian application in the system. M. Strasser moved from ETH to Innsbruck and he is very active. He is the main proponent on one recently finished proposal of J-FAST. He is working in two more proposals. They plan to do a meeting in spring presenting the results not only for the academy but also for the Ministry of Science.

Portugal, A. Voelker

A. Voelker will continue as ESSAC Delegate. L. Pinheiro, the previous alternate, is the new ECORD Delegate. There is a new ESSAC alternate, Cristina Veiga-Pires, who is from the South of Portugal. Because she has no experience in IODP, A. Voelker is training her. In the Science Foundation there are changes in the administration, with Telmo Carvalho of the Ocean Office as new responsible and new ECORD alternate. They will have an IODP day on the 3rd of November. Two DLP Lecturers will attend the meeting. The Science Foundation requested statistics about the Portuguese activity in IODP. She is working on this. In addition, they are working a lot on the material from Mediterranean Outflow Exp. 339. One Portuguese Post-doc is sailing in the Maldives Exp. 359. She is happy because there is one application (outside of Paleoclimate) for the Mariana Exp. 366.

Denmark, M. S. Seidenkrantz

One person was accepted to sail on Exp. 362 Sumatra Seismogenic Zone. Another scientist was interested in sailing on Exp. 364 but was too slow to apply. One Post-doc is working with her in Exp. 347 material. Hopefully there will be a publication soon, when the age models will be ready. The new government cut 33% in Science and there were some cuts in International Science also. She does not know what is going to happen.

Israel, N. Waldmann

There is one participant from Israel in Exp. 359, as sedimentologist. There is one applicant for Exp. 364 Chicxulub. He hosted Paola Vannucchi as DLP. The DLP Lectures, in two Universities, were very successful. There was one Israelite participant in the MagellanPlus Paleoseismicity Workshop at ETH, Zurich. Four proposals related to IODP were submitted to the Israel Science Foundation.

Canada, D. Weis

She has good news. There is a change in the government, Canada has now a liberal government which will mean a big difference for Science. They hope to have contribution for ECORD. They are doing well in terms of interest by the community. She has been invited for Exp. 357 Atlantis Massif as an onshore scientist; there is one invited onshore scientist for Exp. 364 Chicxulub; there was one application for Exp.

365 NanTroSEIZE; one Canadian has been invited to be member of SEP; One Canadian Educator has been invited for Exp. 360 SW Indian Ridge Lower Crust and Moho. Although there were no Canadian funds to support this educator, he has been accepted because he was specially selected by USSSP for his outreach/educational proposal.

Germany, R. Stein

The main news since the last ESSAC meeting is that the RV Polarstern will be available for the Arctic Drilling.

Switzerland presented the national news in the ECORD/ESSAC meeting (by Flavio Anselmetti).

3. Expeditions, Nominations and Staffing

3.1 Staffing

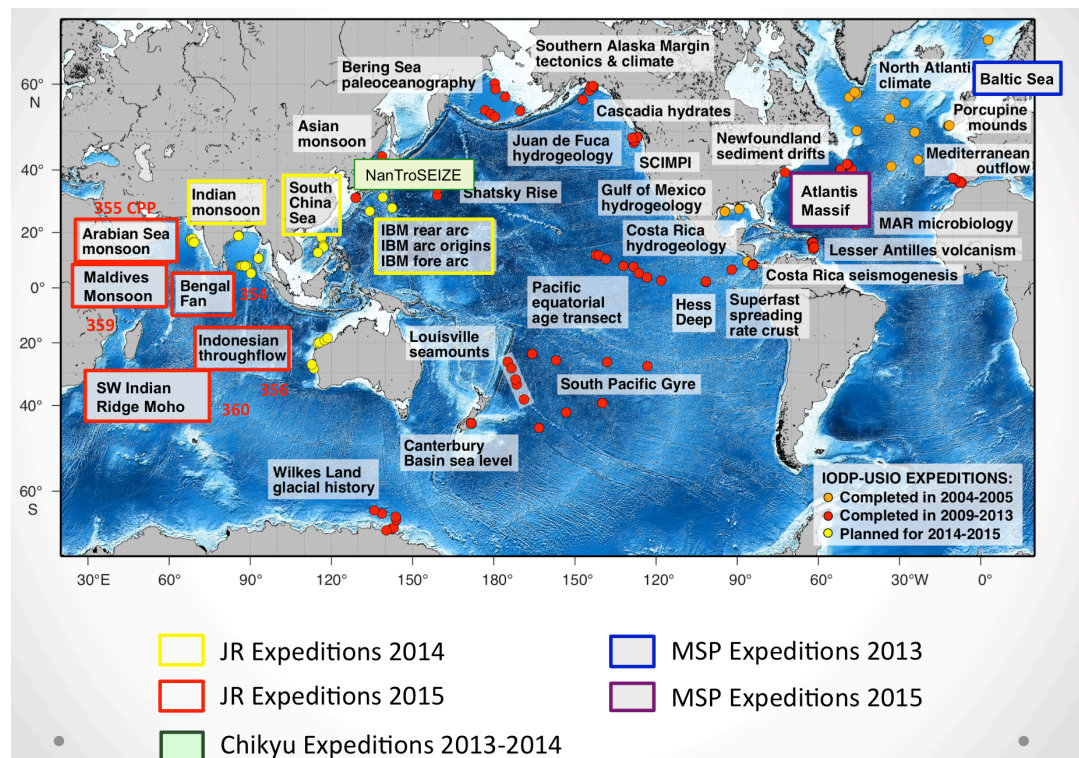
D. Weis reported on Staffing ([Annexes 1 and 2](#)).

3.1.1 Updates on expedition staffing and applications

3.1.2 Discussion – Quotas, CPPs, in-kind contributions

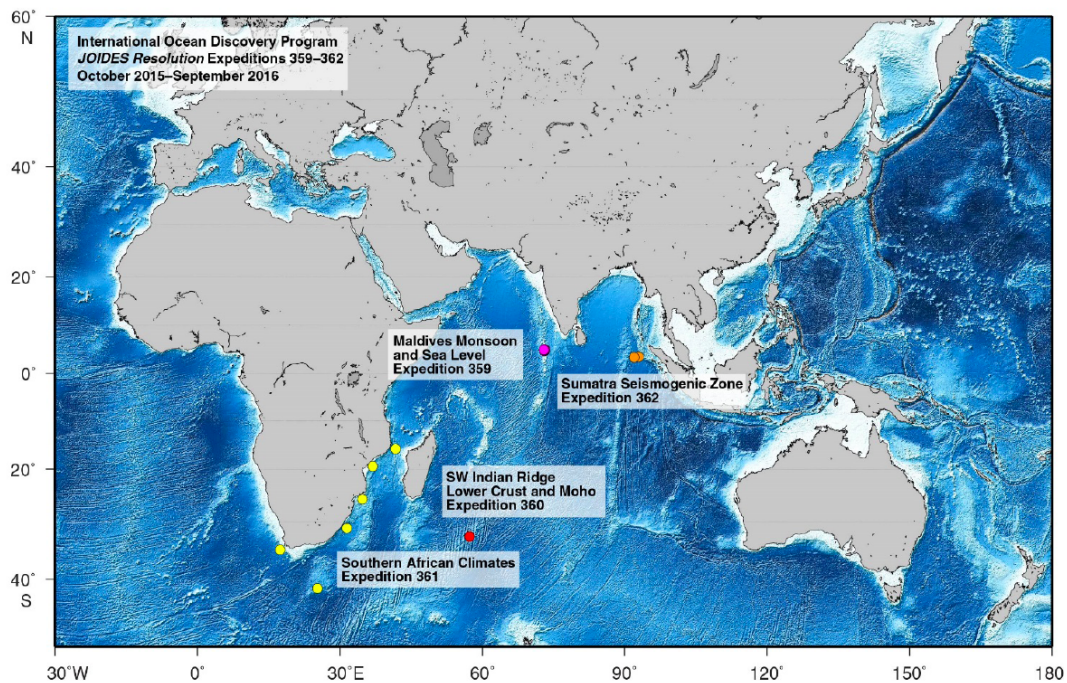
3.1.3 Upcoming deadlines

Completed and Upcoming IODP Expeditions 2015



Current & upcoming JR Expeditions – Staffing Complete Through Sept 2016 (Exp. 362)

2014 Quotas



JR Staffing – ECORD Co-chiefs on each expedition

JR Exp. 359: Maldives Monsoon and Sea Level (30 Sept to 30 Nov 2015)

Co-chiefs: Christian Betzler (Ger) & Gregor Eberli

- Staffing: 1 UK, 2 Ger, 1 Fr, 1 NL, 1 Israel, 1 Portugal
- Special Call for paleomagnetism and nanofossil micropaleontology: 1 Italy, 1 UK
- Teacher at Sea: Michelle Darrieu (Fr/Belgium)

JR Exp. 360: SW Indian Ridge Lower Crust & Moho (30 Nov 15 to 30 Jan 16)

Co-chiefs: Henry Dick & Christopher MacLeod (UK)

- Staffing: 1 UK, 1 Ger, 3 Fr, 1 NL, 1 Italy, 1 Poland
- Teachers at Sea: Marion Burgio (Fr) and Lucas Kavanagh (Can)

JR Exp. 361: Southern African Climates (30 Jan to 31 Mar 2016)

Co-chiefs: Ian Hall (UK) & Sidney Hemming

- Staffing: 2 UK, 3 Ger, 2 Fr, 1 NL
- Special Call for Nanofossil specialist: 1 Germ

JR Exp. 362: Sumatra Seismogenic Zone (31 July to 30 Sept 2016)

Co-chiefs: Lisa McNeill (UK) & Brandon Dugan

- Staffing: 2 UK, 2 Ger, 2 Fr, 1 Den, 1 Sweden
- Special Call for diatom specialist: 1 UK

MSP & Chikyu Staffing

MSP Exp. 357: Atlantis Massif Serpentinization & Life (26 Oct to 11 Dec 2015)

Co-chiefs: Gretchen Früh-Green (CH) & Beth Orcutt

- Staffing: 3 Ger, 4 Fr, 1 CH, 1 Can, 1 Italy, 2 Nor
- In-kind Contribution Berths 3 UK

An expedition of “firsts”:

- *1st MSP in the new programme*
- *1st time to use seabed rock drills*
- *1st time with > 50 % women in the science party*

15 ECORD Scientists + 1 ECORD Co-Chief

MSP Exp. 364: Chicxulub Impact Crater (April/May 2016 – TBD)

Co-chiefs: Joanna Morgan (UK) & Sean Gulick

- *Staffing: 3 UK, 4 Ger, 3 Fr, 1 Aus, 1 Belg, 1 Can, 1 NL*
– 4 ECORD scientists in the offshore phase

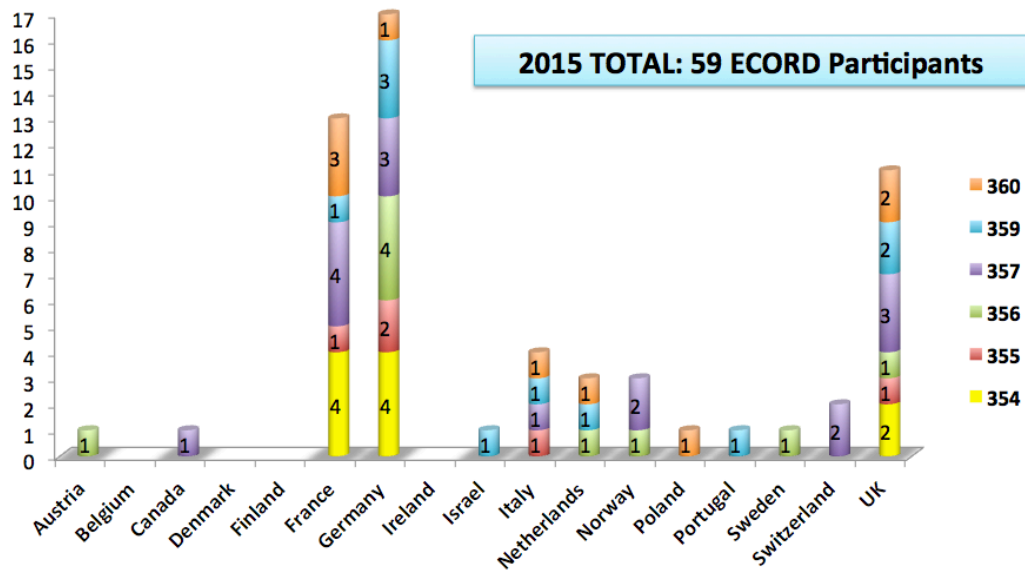
14 ECORD Scientists + 1 ECORD Co-Chief

Chikyu Exp. 365: NanTroSEIZE Shallow Megasplay LTBMS (26 March - 27 April 2016)

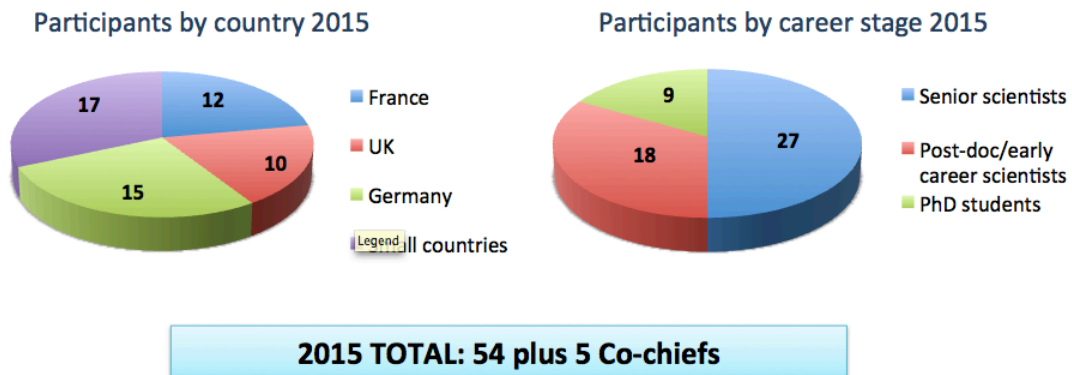
- *ONLY 1 application: Canada* – not forwarded because of over-quota for Canada

In addition, D. Weis presented some staffing statistics.

2015 Expedition Participants Expeditions 354 to 360 (Including 5 Co-chiefs, 3 Special Calls and 3 In-kind Contributions)



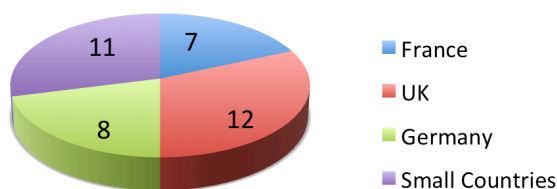
2015 Expedition Participants Exp. 354 to 360 (Including 3 Special Calls & 3 In-kind Contributions)



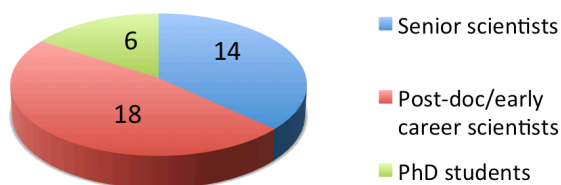
Exp.		Total participants	Special Calls & ECORD Co-chiefs
354	Bengal Fan	10	2 Co-chiefs Fr and Ger, 1 Sp. Call Fr
355	Arabian Sea Monsoon (CPP)	5	
356	Indonesian Throughflow	9	
357	Atlantis Massif (MSP)	16	1 Co-chief CH, 3 IKC UK
359	Maldives Monsoon	10	1 Co-chief Ger, 2 Sp. Calls, It & UK
360	SW Indian Ridge	9	1 Co-chief UK

2014 Participants Exp. 349 to 353

JR: 4 plus 1 CPP
26 Jan 2014 – 29 Jan 2015



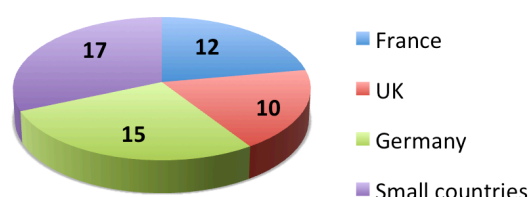
2014 TOTAL: 38 plus 2 Co-chiefs



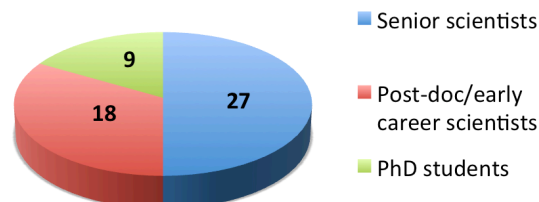
Including 6 Special Calls

2015 Participants Exp. 354 to 360

5 JR plus 1 MSP
29 Jan 2015 – 30 Jan 2016



2015 TOTAL: 54 plus 5 Co-chiefs



(Including 3 Special Calls & 3 In-kind Contributions)

Staffing – Ranking & Nominations in Progress & New Calls

JR Exp. 363: Western Pacific Warm Pool (30 Sept to 30 Nov 2016)

Co-chiefs: Yair Rosenthal & [Ann Holbourn](#)

- 24 applications: 10 UK, 8 Ger, 4 Fr, 2 NL, 1 Swe, 1 Nor, 2 Italy – *Nominations were sent 15 October*

JR Exp. 366: Mariana Convergent Margin (30 Nov 16 to 30 Jan 17)

Co-chiefs: Patricia Fryer & Geoffrey Wheat

- 17 applications: 4 UK, 5 Ger, 4 Fr, 1 Aus, 1 CH, 1 Italy, 1 Por – *Nominations to be sent 15 November*

New Calls for 2017



CALL FOR APPLICATIONS

for scientists based in ECORD Member Countries to participate in

**IODP SOUTH CHINA SEA RIFTED MARGIN
EXPEDITIONS 367 and 368**

on board the *JOIDES Resolution*
(February-March 2017 and April-May 2017)

DEADLINE to apply: 15 January 2016

L. Lourens asked why the shore-based scientists apply at the same time than the offshore scientists. Some time it is confusing the role of a shore-based scientist, even more in MSP expeditions. A. Morris suggests specifying the role of the shore-based scientists more clearly in the Calls/application forms.

> ESSAC Action Item 1510-01: The ESSAC office will specify the rules of shore-based scientists in the Expedition Calls and/or application form to sail.

G. Ceuleneer is concerned that when some possible applicants tried to look for the drill sites for Exp. 367 and 368, they did not find this information. It could be really useful to have this information, to clarify the goals of applicants interested in one or two Expeditions.

> ESSAC Action Item 1510-02: The ESSAC office will try to find information about drill holes for Expeditions 367 and 368. If the information is found, it will be added to the ESSAC webpage and Expedition Call reminders.

In addition, D. Weis presented the ECORD Member Contributions, Quotas 2014 & 2015 (Exps. 349 - 360), staffed expedition in 2016, and projected participation & quotas into 2016 (**Annex 3**).

D. Weis reminded L. Lourens on the over-quota of the Netherlands (as Canada). L. Lourens remembered the case of an applicant of Exp. 361 (J. Van der Lubbe) who was invited, firstly, as paleomagnetist (he marked this expertise by accident). After realising that he had not this expertise, Co-chiefs invited him as

Sedimentologist. This could have influenced the Netherlands quota. Maybe this application could have been considered in a different way, if the applicant had been considered sedimentologist from the beginning (as it was marked in his application also).

3.2 Update on advisory panel members and applications

D. Weis reported about the JR Advisory Panel Members rotations 2015/2016.

JR Advisory Panel Members 2015

SEP (Science Evaluation Panel)				
Science Evaluation Subgroup:			Term	Expertise
Kroon	Dick	UK	Chair – rotated off	Paleoceanography
Geldmacher	Jörg	Germany	Sept 12 - Dec 15	Igneous geochemistry, petrology, geodynamics
Heuer	Verena	Germany	Dec 12 - Dec 15	Biogeochemistry, organic geochemistry and deep biosphere
McNeill	Lisa	UK	Aug 12 - Dec 15	Tectonics, structure and geohazards
O'Regan	Matt	Sweden	May 13-Dec 15	Marine geology, paleoceanography
Godard	Marguerite	France	Jan 15-Dec 17	Petrology and geochemistry
Bohaty	Steven	UK	Jan 15-Dec 17	Paleoceanograph, sedimentary geochemistry
Piller	Werner	Austria	Jan 15-Dec 17	Carbonate sedimentology and Micropaleontology
Gutscher	Marc-André	France	Jan 15-Dec 17	Marine geophysics (bathymetry, seismics)
SEP (Science Evaluation Panel)				
Site Evaluation Subgroup:			Term	Expertise
Huuse	Mads	UK	Sept 12 - Dec 15	Shallow fluid flow, hydrocarbons in shallow sediments, slope stability, erosion, sedimentation
Mosher	David C.	Canada	Sept 12 - Dec 15	Structural geology
Unzelmann-Neben	Gabi	Germany	>3 years as member	Reflection seismology, sedimentology, seismostratigraphy, sediment transport
Krastel	Sebastian	Germany	June 13 - Jan 16	Submarine hazards, slope stability and submarine mass wasting
Berné	Serge	France	Jun 14- Jan 17	Seismic stratigraphy and sedimentology

JR Advisory Panel – Proposed Members 2016

SEP (Science Evaluation Panel)				
Science Evaluation Subgroup:			Term	Expertise
Godard	Marguerite	France	Jan 15 – Dec 17	Petrology and geochemistry
Gutscher	Marc-André	France	Jan 15 – Dec 17	Marine geophysics (bathymetry, seismics)
Bohaty	Steven	UK	Jan 15 – Dec 17	Paleoceanograph, sedimentary geochemistry
Piller	Werner	Austria	Jan 15 – Dec 17	Carbonate sedimentology and Micropaleontology
Kallmeyer	Jens	Germany	Jan 16 – Dec 18	Geomicrobiology and deep biosphere
Villinger	Verena	Germany	Jan 16 – Dec 18	Marine geophysics. Downhole tools and physical properties. Heat flow and hydrogeology
McCaig	Andrew	UK	Jan 16 – Dec 18	Oceanic crustal processes, tectonics of detachment faulting and hydrothermal processes
Jaccard	Samuel	Switzerland	Jan 16 – Dec 18	Climate and paleoceanography, nutrient dynamics and carbon cycles in polar environments
SEP (Science Evaluation Panel)				
Site Evaluation Subgroup:			Term	Expertise
Berné	Serge	France	Jun 14 – Jan 17	Seismic stratigraphy and sedimentology
Huuse	Mads	UK	Sept 12– Jan 16	Shallow fluid flow, hydrocarbons in shallow sediments, slope stability, erosion, sedimentation
Krastel	Sebastian	Germany	June 13 – Jan 16	Submarine hazards, slope stability and submarine mass wasting
Riedel	Michael	Germany	Jan 16 – Dec 18	Seismic and borehole measurements, gas hydrates and geohazard characterization
Campbell	Calvin	Canada	Jun 16 – May 19	Deep water sedimentary processes, marine geological hazards, bathymetry and seismic reflection
Ünzelmann-Neben	Gabriele	Germany	<i>Will rotate off after Jan SEP meeting</i>	Reflection seismology, sedimentology, seismostratigraphy, sediment transport

D. Weis mentioned that S. Berne provided his resignation as a member of SEP recently.

D. Weis showed the applications by theme and year in response to the Call for applications to serve as an ECORD panel member on SEP with deadline 11 September 2015.

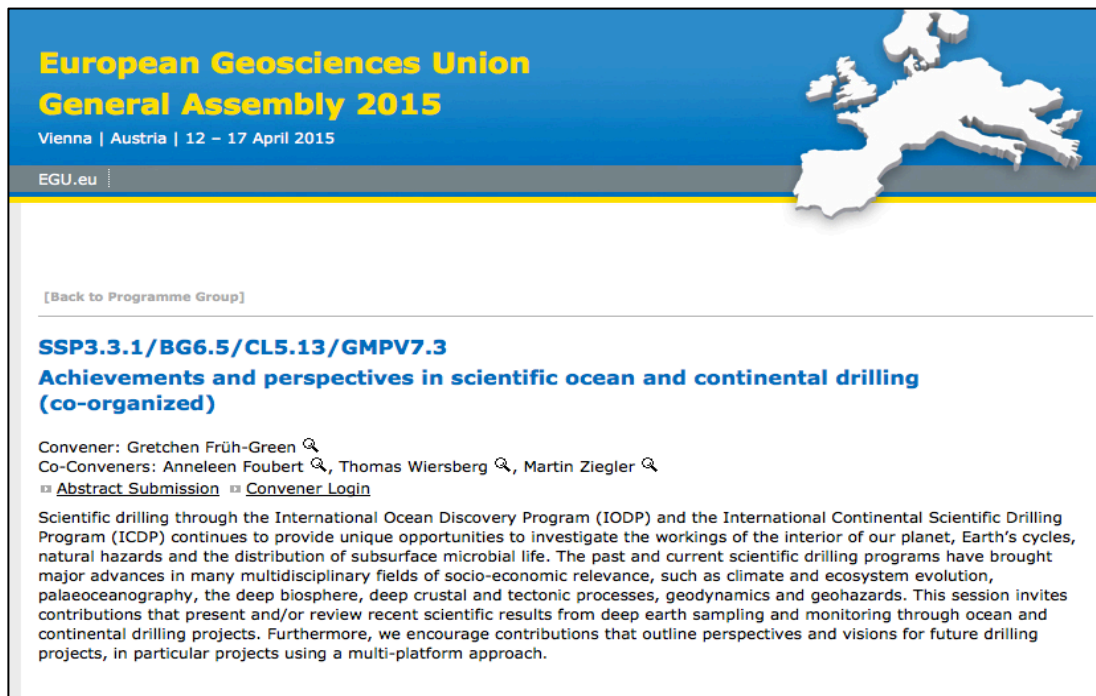
13 valid applications – ranking and nomination in progress	
Climate & Ocean Change	1 Ger, 2 UK, 1 CH, 1 Den (site ?)
Earth Connections	1 Ger, 2 UK
Earth in Motion	2 Ger (science); 1 Ger, Can (site)
Biosphere Frontiers	1 Ger

In addition, D. Weis presented the applications in response to the Call to serve on the JOIDES Facility Board of IODP with deadline 22 July 2015.

Benoit Ildefonse	France	Géosciences Montpellier
Mark Lever	Switzerland	Institute of Biogeochemistry and Pollutant Dynamics Department of Environmental Sciences, ETH Zurich
Oscar Romero	Germany	MARUM
Paul Wilson	UK	Ocean & Earth Science National Oceanography Centre, University of Southampton

Paul Wilson was selected as a new member of the JOIDES Facility Board.

Moreover, D. Weis reported about the European Geosciences Union General Assembly 2015.



**European Geosciences Union
General Assembly 2015**
Vienna | Austria | 12 – 17 April 2015
EGU.eu

[\[Back to Programme Group\]](#)

SSP3.3.1/BG6.5/CL5.13/GMPV7.3
Achievements and perspectives in scientific ocean and continental drilling (co-organized)

Convener: Gretchen Früh-Green
Co-Conveners: Anneleen Foubert, Thomas Wiersberg, Martin Ziegler
[Abstract Submission](#) [Convener Login](#)

Scientific drilling through the International Ocean Discovery Program (IODP) and the International Continental Scientific Drilling Program (ICDP) continues to provide unique opportunities to investigate the workings of the interior of our planet, Earth's cycles, natural hazards and the distribution of subsurface microbial life. The past and current scientific drilling programs have brought major advances in many multidisciplinary fields of socio-economic relevance, such as climate and ecosystem evolution, palaeoceanography, the deep biosphere, deep crustal and tectonic processes, geodynamics and geohazards. This session invites contributions that present and/or review recent scientific results from deep earth sampling and monitoring through ocean and continental drilling projects. Furthermore, we encourage contributions that outline perspectives and visions for future drilling projects, in particular projects using a multi-platform approach.

The session was successful with 41 abstracts, 27 oral presentations and 14 posters.

Jan Behrmann, as ESSAC Chair, will convene the European Geosciences Union General Assembly 2016.

W. Piller is concerned about the format of the Town Hall Meeting in EGU. It is the right one? This session is over-crowded and he feels it has lost the original idea/sense of the meeting. It should be a time to exchange ideas between colleagues, not like a normal session with 4/5 presentations. M. S. Seidenkrantz agrees.

P. Maruejol argued that the organisers are trying to avoid a regular format session at the end of the day. The purpose is to meet people and announce the main news. She suggests, as a possibility, one general presentation of IODP and one scientific highlight.

Everybody agreed that something should change in the session. Some ideas were raised:

- Shorter talks (2 minutes talks)
- Chose more spectacular topics, highlights
- Shorter session, in general

A. Voelker compared the AGU Town Hall with the EGU Town Hall. In AGU there are no seats and people can speak to each other, not only listening talks. She likes more the format at AGU compared to EGU.

A. Morris indicated that the time for science should be during the day sessions, not in the Town Hall meeting session, in which the talks should not be focused on presenting results, just should present highlights of the Expeditions, present more attractive/spectacular information...etc.

Some discussion followed regarding to the importance of emphasizing the Outreach in the session. D. Weis raised the following questions: What is the goal of the Town Hall in EGU? How much outreach do we need? What are our needs comparing to AGU, for example?


P. Maruejol would convey the message to T. Wiersberg and Gilbert Camoin about this discussion.

D. Weis showed the progress regarding to the new ECORD Publication Data Management System. J.

Gutierrez-Pastor added a few words to confirm that the database is in progress. We will arrange a meeting with T. Bingham to be able to continue the work initiated by her.

ECORD Publication Data Management System

- Teresa Bingham was hired (6 months) through ETH (ECORD funds) in mid-February to set up a publication data base
- Meeting in Zurich in February between Teresa, Patricia and Julia to establish method and priorities
- Testing and evaluation completed
- The data management system Zotero has been implemented & training for ESO staff needs to be completed.
- **We will inform you about the status as soon as more is definite**



4. Education and outreach – updates and outstanding issues

4.1 Update on status of DLP – scheduling, budget

J. Gutierrez-Pastor updated about the current DLP program.

ECORD invites you to Host a Lecture

The European Consortium for Ocean Research Drilling (ECORD) is sponsoring an initiative for a lecture series to be given by leading scientists involved with the International Ocean Discovery Program (IODP).

Applications to host a Distinguished Lecturer will be accepted from any college, university or non-profit organisation in all European countries, Israel and Canada.

CLIMATE AND OCEAN CHANGE

Himalaya: from mountains to drilling in the Bengal fan

Reconstructing palaeo-circulation: Reading sediment drifts with the aid of IODP information

BIOSPHERE FRONTIERS

What controls abundance and activity of microbial life in subsurface sediments? New insights from scientific drilling.

EARTH IN MOTION

Understanding megathrust earthquakes through ocean drilling

EARTH CONNECTIONS

What can magnetism tell us about oceanic tectonics? New insights from scientific drilling.

Apply by email to essac.office@erdw.ethz.ch

More information at: <http://www.essac.ecord.org>

Christian France-Lanord
Centre de Recherches Pétrographiques et Géochimiques - CNRS, Nancy, France

Gabriele Uenzelmann-Neben
Alfred-Wegener-Institut Helmholtz Zentrum für Polar- und Meeresforschung, Bremerhaven, Germany

Jens Kallmeyer
GFZ German Research Centre for Geosciences, Helmholtz Centre Potsdam, Germany

Paola Vannucchi
Earth Sciences Department, Royal Holloway, University of London, Surrey, UK

Antony Morris
School of Geography, Earth and Environmental Sciences, Plymouth University, UK

ECORD
Science Support & Education

J. Gutierrez-Pastor showed that there were a total of 49 lectures scheduled in 2015 and 2016 (Annex 4). J. Gutierrez-Pastor remarked that 14 Lectures would be in 2016: 7 UK, 1 Fin, 1 Swe, 1 Can, 1 Bel, 1 F and 2 Germ.

The ESSAC office has spent approximately 10.300 Euros in travel expenses for DLP Lectures.

The schedule is updated regularly in the ESSAC website:

<http://www.essac.ecord.org/index.php?mod=education&page=dlp>

4.2 ECORD Summer Schools & Training Courses

4.2.1 Update on Summer Schools 2015

J. Gutierrez-Pastor reported about the ECORD Summer Schools 2015.

ECORD Training Course 2015, Budget € 7,500

- 56 applications: PhD students, Postdocs, Researchers, and Master Students
- 17 different Countries
- Accepted 30 participants from ECORD and non-ECORD Countries
- Organiser's criteria of selection: compatibility of the applicant's professional training and their career status (e.g., for some of the Masters students it is too early). They also considered that the training course is more important for early career geoscientists than for a teacher or a technician running a chemistry lab.
- *Report in the April Newsletter!*

International School of Foraminifera, June 2015

- ISF is funded with € 5,000 to support 4-5 ECORD students to attend the course
- ISF will offer support for travel & accommodation

- The ESSAC office has required a Summer School Report to the organizers and a selected ECORD student for the November Newsletter

Awarded students:

- Stephanie Kloboth (Germany)
- Julia Wöger (Austria)
- Sergio d'Albero (Italy)
- Anna Binczewska (Poland)

Urbino Summer School in Paleoclimatology 2016, July 2016

- 33 Teachers
- 72 participants
- 8 ECORD Countries
- 3 non-ECORD Countries (USA, Australia and New Zealand)

2 reports provided for the upcoming November Newsletter!

- Report from Henrika Detlef (UK) and Amy Sparkes (UK)
- Report from Igor Obrecht (Germany)

ECORD Bremen Summer School 2015 Ocean crust processes: magma, faults, fluxes and life, MARUM, August September 2015

- 26 Teachers. G. Früh-Green was invited to be one of the Teachers.
- 33 participants
- 9 ECORD Countries
- 2 non-ECORD Countries (USA and Spain)

1 Report in the upcoming November Newsletter!

- Kristina Grete Dunkel (Norway)
- Jakub Ciazela (Poland)
- Joseph Offei Thompson (France)
- Sofia Escario Perez (France)

4.2.1 Summer Schools 2016

J. Gutierrez-Pastor reported about the ECORD Summer Schools 2016 applications.

Summer Schools Applications 2016

- Urbino Summer School in Paleoclimatology 2016, July 2016. Request: 20.000 €
- ECORD Bremen Summer School 2016 Submarine Geohazards: Mapping, Monitoring, and Modelling", MARUM. Usually in September. Request: 12.500 €
- ECORD Training Course 2016 "Virtual Drillship Experience", MARUM. March 2016. Request: 6.500 €
- ECORD Summer School: Petrophysics (physical properties of ocean sediments and basement

from downhole logs and core), Department of Geology at the University of Leicester, UK. June-July 2016. Request: 10.000 €

ESSAC requests 30.000 Euros for the 3 ECORD Summer Schools and 6.500 Euros for the ECORD Training course in Bremen.

J. Gutierrez-Pastor reminded to the ESSAC delegates the following ESSAC action item from the past ESSAC meeting:

> ESSAC Action Item 1505-03: The ESSAC Office shall contact the main proponents of the newly proposed ECORD Summer School in 2016 “Summer School in Petrophysics (physical properties of ocean sediments and basement from downhole logs and core)” in Leicester to have more details about the proposal (such as a detailed budget and amount requested, number of teachers, sources of funding, etc). This information will allow the ESSAC delegates to make a second evaluation of the proposal by email. *Done*.

- ✓ A new revised version of the proposal was presented with a requested budget of 10.000 Euros
- ✓ After an email discussion between the members of the Education and Outreach Subcommittee...
- ✓ We are requesting a €10,000 contribution from ECORD to support this Summer School next year.

ESSAC requests a total of 30.000 Euros for the 3 ECORD Summer Schools and 6.500 Euros for the ECORD Training course in Bremen.

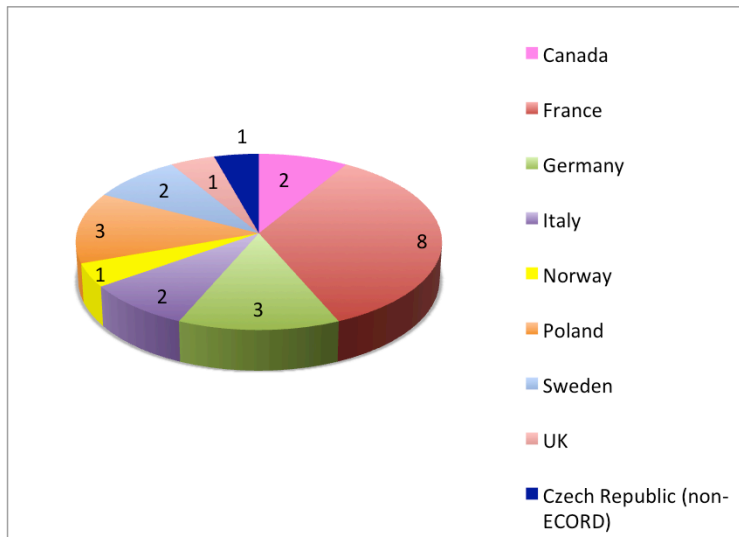
4.3 ECORD Scholarships 2015 and statistics

J. Gutierrez-Pastor presented the ECORD Scholarships awardees and applications.

Scholarships Applications/Awardees 2015 – Budget € 15,000

Bremen

Total Applications: 23

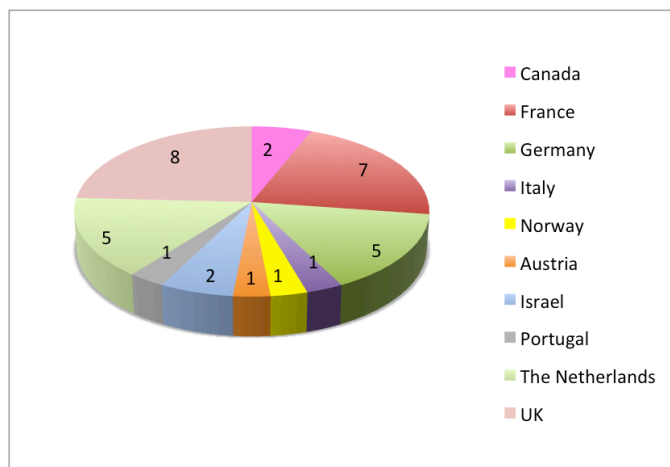


16 Awardees: 6 France, 3 Germany, 2 Canada, 2 Italy, 1 Norway, 1 Poland and 1 Sweden

PROPOSAL (Euros)	Name	Country	Institution
500	Amann, Méderic	France	University of Strasbourg, Institut de Physique du Globe
500	Berno, Davide	Italy	University of Pavia
500	Ciążela, Jakub	Poland	Institute of Geology, Adam Mickiewicz University
500	Patten, Clifford	Sweden	Stockholm University, Department of Geological Sciences
500	Seyedali, Minasadat	Canada	School of Earth and Ocean Sciences at University of Victoria
200	Basch, Valentine	Italy	UNIGE University of Genova
200	Dunkel, Kristina	Norway	University of Oslo, Norway
200	Escario, Sofia	France	Geosciences Montpellier
200	Ferrando, Carlotta	France	Geosciences Montpellier
500	Keith, Manuel	Germany	GeoZentrum Nordbayern, Universität Erlangen-Nürnberg
500	Kemner, Fabian	Germany	GeoZentrum Nordbayern, Universität Erlangen-Nürnberg
500	Teboul, Pierre-Alexandre	France	Aix-Marseille University
500	Thompson, Joseph Offei	France	IFREMER, Brest
500	Tian, Zhu	Canada	University of Victoria, Victoria, British Columbia
500	Weinzierl, Christoph Günther	Germany	GeoZentrum Nordbayern, Friedrich-Alexander-Universität Erlangen-Nürnberg
500	Wessels, Richard	France	University Pierre and Marie Curie-Paris (UPMC) and IFP Energies nouvelles (IFPEN)
TOTAL 6.800			

Urbino

Total Applications: 33



10 Awardees: 3 UK, 2 Germany, 1 France, 1 The Netherlands, 1 Austria and 2 Canada

PROPOSAL (Euros)	Name	Country	Institution
900	Detlef, Henrieka	UK	School of Earth and Ocean Sciences, Cardiff University
900	Menke, Valerie	Germany	University of Hamburg, Center for Earth System Research and Sustainability
900	Obreht, Igor	Germany	RWTH Aachen University
900	O'Connor, Lauren	UK	University of Oxford
600	Phillips, Anna	Canada	University of Toronto
900	Scharder, Cindy	The Netherlands	Utrecht University and the Netherlands Earth System Science Centre (NESSC)
900	Sparkes, Amy	UK	Cardiff University
900	Tetard, Martin	France	CEREGE, Aix Marseille University
600	Tsang, Man-Yin	Canada	University of Toronto, Department of Earth Sciences
900	Wolfring, Erik	Austria	University of Vienna
TOTAL 8.400			

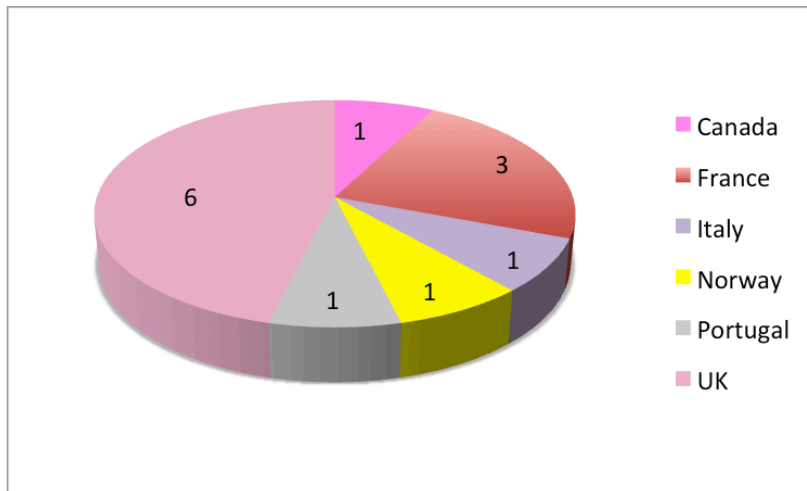
4.4 ECORD Grants

4.4.1 Awardees 2015 and statistics

J. Gutierrez-Pastor presented the ECORD Research Grants 2015 awardees and applications.

Grants Applications/Awardees 2015 – Budget € 15,000

Total Applications: 13



8 Awardees: 5 UK, 1 Portugal, 1 Italy and 1 Norway

Candidate	Country	Amount requested (€)	Fund
Barnet, James	UK	2000	2000
Alonso Garcia, Montserrat	Portugal	2.920	2000
Zindorf, Mark	UK	2000	2000
Gariboldi, Karen	Italy	3300	2000
Panitz, Sina	UK	1960	1960
Bhatia, Rehemat	UK	2000	2000
Jordan, Nina	UK	1828	1830
Baranwal, Soma	Norway	US\$ 5500	2000
		Total	15790

4.5 Discussion of Grant awards criteria, procedure and ESSAC participation in rankings.

4.5.1 Need for an official evaluation committee?

4.5.2 Need to increase individual award amounts? Fewer awards, more money?

J. Gutierrez-Pastor introduced the discussion about the ECORD Research Grants 2015 awardees and applications.

J. Gutierrez-Pastor pointed out:

- There was not a lot of participation in the ranking for Research Grants
- A second round of rankings was done to evaluate Grants projects after the ESSAC meeting....
- *CONCLUSION: Need to have a more coordinated, regulated procedure and clear criteria for future ECORD grant awards*

DISCUSSION (led by D. Weis)

Some suggestions & questions from Gretchen:

- Create a special subcommittee of 4/5 people to evaluate Grants proposal
- Discussion and selection of candidates early in the year, not wait for the ESSAC meeting in May. Grants projects would start earlier, avoiding the payment of grants in the following fiscal year (an issue when the ESSAC office moves to another country)
- Revise the criteria of selection/ranking; need to be homogeneous
- Need to increase individual award amounts? Fewer awards? More money?

The requirements for ECORD research Grants applicants were discussed by the ESSAC Delegates.

Previous Call

CALL FOR APPLICATIONS

for an ECORD Research Grant

DEADLINE: 31 March 2015

The European Consortium for Ocean Research Drilling (ECORD) is sponsoring merit-based awards for outstanding young scientists to conduct innovative research related to the International Ocean Discovery Program. The research may be directed toward the objectives of upcoming or past DSDP/ODP/IODP expeditions, using core material and/or data, or address broader aspects directly related to the IODP Science Plan. The ECORD Grants will cover travel and lab expenses or other approved costs related to the study. Preference will be given to studies conducted in a laboratory/institution other than the applicant's home institution and to studies that promote new collaborations and/or the acquisition of new scientific expertise. Grants will not typically exceed 2000 €. Applicants should be enrolled in either a PhD or "early-career", post-doctoral research programme at any institution from an ECORD country.

After discussion among the delegates during the meeting, the following agreement was reached:

Proposal to evaluate Research Grants more consistently:

- Mini-proposal (40%) + Budget plan (10 %): 50 %
- Letters of Support (20%)
- CV (30%)
- ✓ Minimum number of Rankings: 5, instead of making a Subcommittee. Suggested by X. Monteys.
- ✓ Delegates from the E&O subcommittee may inform to the ESSAC office if they are not going to rank
- ✓ All delegates are welcome to rank, not only the E&O Subcommittee

ESSAC CONSENSUS 1510-03: The ESSAC delegates agree that ECORD Research Grants need to be evaluated homogeneously according to the following criteria: 1) Mini-proposal (40%) + Budget plan (10 %): total: 50 %, 2) Letters of Support (20%) and, 3) CV (30%).

ESSAC CONSENSUS 1510-04: In addition, the ESSAC delegates agree that the ESSAC office should receive a minimum of 5 rankings from 5 ESSAC delegates to evaluate ECORD Research Grants applications. The goal is to have a more consistent evaluation process. First, the ESSAC office will ask the E & O Subcommittee to rank applications. ESSAC delegates who are not able to rank are asked to inform the ESSAC office as soon as possible. All ESSAC delegates are encouraged to rank ECORD Research Grants.

Requirements for the applicants:

- The research may be directed toward the objectives of upcoming or past DSDP/ODP/IODP expeditions
- Preference will be given to studies conducted in a laboratory/institution other than the applicant's home institution and to studies that promote new collaborations and/or the acquisition of new scientific expertise
- Applicants should be enrolled in either a PhD or "early-career", post-doctoral research programme at any institution from an ECORD country

ESSAC CONSENSUS 1510-05: ESSAC agrees that the main requirements for the ECORD research Grants applicants are:

- The research is directed toward the objectives of upcoming or past DSDP/ODP/IODP expeditions

- Preference will be given to studies conducted in a laboratory/institution other than the applicant's home institution and to studies that promote new collaborations and/or the acquisition of new scientific expertise
- Applicants should be enrolled in either a PhD or "early-career", post-doctoral research programme at any institution from an ECORD country.

ESSAC needs to watch and take into consideration the mother language of the applicant. Usually, UK applicants have more advantage in their applications because they have better English knowledge than the rest of the applicants. This is a factor to take into account.

A. Morris remarks the importance of the letters of support and interest. We need to evaluate, for instance... What is the special contribution besides the PhD project? What is new?

To be finalized:

- ESSAC suggests to increase the budget for the Research Grants to 18.000 Euros
- ESSAC also suggests to increase the maximum amount to award ECORD applicants (2.000 Euros is too low, it could be about 3,000 Euros) and make it clear in the Call (fewer awards, more money for individual applications)
- ESSAC will circulate a draft of the Call to get the input of all the ESSAC delegates

> ESSAC Action Item 1510-03: ESSAC suggests increasing the maximum amount to award ECORD Research Grants applicants. ESSAC proposes a minimum of 3000 Euros, instead of 2000 Euros per awarded student. It will mean awarding less individual research grants but providing more funds for individual applicants to guarantee the quality of the research and make the award more competitive and more significant.

> ESSAC Action Item 1510-04: The ESSAC office will circulate a draft of the ECORD Research Grants call, taking into account the above action item 1510-03 and consensus 1510-05 to get the input of all ESSAC delegates.

There was also some discussion about the timing of evaluation: Should we evaluate the grants by email early in the year. Although no consensus was reached, the delegates showed a positive response about this approach. This is something to re-consider when the ESSAC office circulates the draft of the call.

> ESSAC Action Item 1510-05: The ESSAC office will ask the ESSAC delegates to initiate the evaluation for research grant applications earlier in the year via email. This action will allow avoiding the payment of Grants in the following fiscal year, as much as possible.

4.6 Teachers at Sea 2015/2016

4.6.1 Status of applications and participation

J. Gutierrez-Pastor gave an update about the Teachers at Sea program.

J. Gutierrez-Pastor showed the last Call for applications for Teachers/Educators at Sea and the list of applicants.



Onboard Education Outreach Officer/Teacher at Sea

CALL FOR APPLICATIONS

for Teachers & Educators based in ECORD Member countries
to sail on board *the JOIDES Resolution*

Deadline to apply: **29 July 2015**



The European Consortium for Ocean Research Drilling (ECORD) offers you the unique opportunity to sail in the framework of the International Ocean Discovery Program (IODP), an international research program for drilling at sea.

Educators and teachers are invited to apply to sail on one of three upcoming IODP expeditions on the incredible 143-m long *JOIDES Resolution*, a platform outfitted for state-of-the-art scientific exploration and education. We are looking for applicants with strong educational and science backgrounds, comfort with using the web, multi-media and social media tools, and a passion for sharing the excitement of science with students, other educators and the general public. It is also advantageous to be flexible, adventurous, and good at working with all kinds of people.

The expedition schedule is planned as follows:

1. Expedition 359: Maldives Monsoon and Sea Level (30 September - 30 November 2015)
http://iodp.tamu.edu/scienceops/expeditions/maldives_monsoon.html
2. Expedition 360: SW Indian Ridge Lower Crust and Moho (30 November 2015 - 30 January 2016)
http://iodp.tamu.edu/scienceops/expeditions/indian_ridge_moho.html
3. Expedition 361: Southern African Climates (30 January - 31 March 2016). Subject to berth availability
http://iodp.tamu.edu/scienceops/expeditions/southern_african_climates.html

Teachers at Sea 2015 Applications

NAME	POSITION	COUNTRY	EXP. INTEREST IN ORDER OF PRIORITY	COMMENTS
Burgio, Marion	High School Teacher	France	360	
Darrieu, Michelle	High School Teacher	Belgium/ France	359	Applied for Exp.353 and 354. Now She is applying for Exp. 359. Sharon Cooper and the ESSAC office agreed to use the previous application for her evaluation, with a new cover letter.
Kavanagh, Lucas	Freelance Earth Scientist, coordinating activities between Codemakers and Actua	Canada	361, 359, 360	Codemakers is a private company. Actua is a national Canadian charity dedicated to providing hands-on science education to all youth.
Le Gall, Christophe	High School Teacher	France	359, 360, 361	
Maricou, Hans	High School Teacher	Belgium	359	
Puig, Jean Noël	Middle School-High School Teacher	France	360, 361, 359	

The selected teachers are highlighted in yellow.

IODP France is going to support M. Darrieu and M. Burgio. ESSAC will co-fund travel expenses.

J. Gutierrez-Pastor reminded to the ESSAC delegates about an ESSAC Consensus from the past ESSAC

meeting:

ESSAC CONSENSUS 1410-07: ESSAC approves to add a budget item for ECORD “Teachers at Sea”. ESSAC shall request € 5,000 for travel support, assuming an average of 2 teachers/year participate on *JR* expeditions.

4.7 Upcoming E & O calls 2016

J. Gutierrez-Pastor listed the upcoming E & O Calls.

- Call to apply for ECORD Scholarships to attend the ECORD Summer Schools 2016:
December 2015
- Call for Institutions to host an ECORD Summer School 2017:
December 2015 /January 2016
- Call to apply for ECORD Research Grants 2016:
January 2016
- Call to be an ECORD Distinguished Lecturer 2016/2017:
January/February 2016

> **ESSAC Action Item 1510-06:** The ESSAC office shall issue the call for ECORD Distinguished Lecturer 2016/2017 applications in January 2016.

> **ESSAC Action Item 1510-07:** The ESSAC office shall issue the calls for ECORD Grants 2016, ECORD Summer Schools 2016 and a call to Host Summer Schools 2017 in December 2015 and/or January 2016.

In addition, J. Gutierrez showed the ways of the ESSAC office to distribute ECORD/ESSAC News & announcements:

- ESSAC News (monthly). By email.
- Facebook: 365 friends
- ESSAC distribution list

J. Gutierrez-Pastor added that the ESSAC office will be represented at the upcoming AGU meeting in San Francisco (14-18 December 2015) in the IODP-ICDP Booth.

5. Discussion of ESSAC Terms of Reference (Annex 4)

D. Weis asked the delegates if they had any comment or additional suggestions on the new revised document of the ESSAC Terms of Reference (ToR) that was circulated by email before the ESSAC meeting. D. Weis reminded that this document had to be approved by the ECORD Council in the following joint ECORD/ESSAC meeting and that R. Stein would be in charge of reporting about the new changes made on the document.

R. Stein suggested highlighting the main changes in the text to be presented in the ECORD/ESSAC meeting, instead of going through the whole document. We need to emphasize the new changes and present the text by pieces. Everybody agrees.

The main changes in the ToR document are:

- *Term of office for the ESSAC Chair*
- *Role of the ESSAC Chair and invitation/participation in ECORD Council and VTF meetings*
- *EMA director attendance at ESSAC meetings: importance*
- *ESSAC Chair and Science Coordinator responsibilities (listed in the new version of the ESSAC ToR)*

ESSAC CONSENSUS 1510-06: ESSAC approves the ESSAC Terms of Reference (ToR) that the ESSAC office circulated by email for comments and suggestions. The ESSAC ToR was presented during the joint ECORD/ESSAC meeting (28-29 October 2015) for final approval by the ECORD Council.

6. Discussion of proposed ESSAC Budget 2016

6.1.1 Increased budget Items

6.1.2 Other/new items

D. Weis presented the ESSAC Budget 2016 for J. Behrmann.

ESSAC Budget for FY 2016, GEOMAR Kiel DRAFT 12th October 2015	Budget FY16 (EUR)	Budget FY15 (EUR)	Evolution 2015-16
Salaries			
Science Coordinator (TVÖD E14,03-12,2016	66.686,41€	101.015,00 €	
Science Coordinator ETHZ (01-02, 2016)	20.000,00€		
Chair, Compensation	50.000,00€	50.000,00 €	0,00%
Assistant für Publications Database	0,00€	11.000,00 €	-100,00%
Total Salaries/Compensation	136.686,41€	162.015,00 €	-15,64%
Non-Salary Costs			
Travel and Subsistence Costs			
Science Coordinator	6.000,00€	6.000,00 €	0,00%
Chair	15.000,00€	10.000,00 €	50,00%
Office Costs			
General Office Costs	6.000,00€	6.000,00 €	0,00%
Meetings			
ESSAC May Meeting	2.500,00€	2.000,00 €	25,00%
ESSAC October Meeting	2.500,00€	2.500,00 €	0,00%
Travel Support Invited Speakers to Mtg.	3.000,00€	3.000,00 €	0,00%
Travel Support ESSAC Liaison to SEP Mtg.	0,00€	5.000,00 €	-100,00%
Conference Travel Support	4.000,00€	3.000,00 €	33,33%
Education and Outreach			
Support ECORD Dist. Lecturer Programme	10.000,00€	18.000,00 €	-44,44%
ECORD Summer School Support	30.000,00€	20.000,00 €	50,00%
ECORD Training Course	6.500,00€	7.500,00 €	-13,33%
ECORD Summer School student support	15.000,00€	15.000,00 €	0,00%
ECORD Research Grants	16.000,00€	15.000,00 €	6,70%
Teachers at Sea, travel support	7.500,00€	5.000,00 €	50,00%
Subtotal Non-Salary Costs	124.000,00€	118.000,00 €	5,08%
Total ECORD Contribution in EUR	260.686,41€	280.015,00 €	-6,90%

ESSAC Budget 2016 – Facts Relative to 2015 Budget

- Total proposed budget down 6.9 by percent
- Salary costs down by 15.64 percent
- Non-salary costs up by 5.08 percent
- More summer schools to be supported (3)
- More teachers at sea to be supported

ESSAC Budget 2016 - Notes about changes

- Science Coordinator Kiel 3-12, 2016: new contract at GEOMAR, based on monthly 2015 figures, +3%
- Science Coordinator Zurich 01-02, 2016, extension of existing contract at ETHZ, 9932.80 CHF/mo
- Travel Support ESSAC Liaison to SEP Mtg: no longer necessary at 2015 level - Werner Piller is SEP member and can report
- Support ECORD Dist. Lecturer Programme: Based on discussions and review of projected expenditures by ESSAC Office
- ECORD Summer School Support: Based on discussions - support of 3 Summer Schools in 2016
- ECORD Training Course: Bremen changed their request
- Teachers at Sea, travel support: T.A.S. changed from 2 to 4, France will support 1, request here is to support 3

The ESSAC delegates expressed concerns about the decrease in the budget for DLPs. They argued that this current DLP program has costed less because many lectures were in Europe, concentrated in the same country. It could happen, in the future, that the DLP lecturers are from Canada, Israel..., having more expensive trips. Also it could happen that European Lecturers travel further, to more expensive destinations, as it has happened in previous DLP programmes.

D. Weis and J. Gutierrez-Pastor justified this decrease on the base of current costs (2015) of the ongoing DLP program and indicated that it was temporary.

In addition, following the ECORD Research Grants discussion, ESSAC suggests increasing the budget for the ECORD Research Grants, although it means to award less grants.

> ESSAC Action Item 1510-08: ESSAC suggests increasing the ECORD Research Grants budget item to 18.000 Euros, instead of 15.000 Euros (follow-up of ESSAC Action Item 1510-03). The ESSAC office will communicate this recommendation to the upcoming ESSAC Chair, Jan Behrmann.

7. ECORD Websites

P. Maruejol informed that the new proposed changes to the ECORD websites would be presented in the joint ECORD/ESSAC meeting that would take place the following days (See Minutes ECORD/ESSAC meeting). No additional information was added

8. Next meetings

8.1 Any outstanding issues for discussion during Joint ECORD/ESSAC meeting #3?

D. Weis initiated a discussion about the implication in the ranking process of expeditions by the ESSAC delegates.

It is essential that all delegates are involved in the ranking process of expeditions. To have a control in the process, some ideas were given by the delegates:

-N. Waldmann proposed to know which countries rank and which not. Do we need a secret vote?

- M. S. Seidenkrantz remarked the importance of the reminders to rank expeditions

- G. Ceuleneer proposed to give the national comments on applicants after the rankings. The purpose is not influencing the ranking decision to the rest of delegates. In this way, you consider the application “in sensu stricto”, without the point of view of the national delegate. A. Morris argued that this measure may be democratic but may be not efficient. He approaches: After the final ranking, is the discussion by the S&N Subcommittee by email really necessary/useful?

Finally, all delegates agreed that they may compromise to rank the expeditions, even if all have “full agendas”. If they cannot rank, they should contact to the appropriate alternate.

8.2 ESSAC #6, May/June, 2016 – proposal Portugal?

The location of the spring ESSAC meeting was also discussed. To fix the dates we have to take into consideration the JRFB meeting the third week of May.

A. Voelker proposed the Algarve, in the South of Portugal, as possible location of the next ESSAC spring meeting. She presented few slides provided by Cristina Veiga-Pires (ESSAC Portugal alternate), suggesting different locations for a possible fieldtrip.



ESSAC CONSENSUS 1510-07: ESSAC agrees to hold the May 2016 ESSAC meeting in Algarve, Portugal. The dates of the meeting will be scheduled for the second half of May. Antje Voelker will follow up next week with a doodle poll to finalize the date. It was mentioned that the week of the JRFB meeting should be avoided.

There was some discussion about having 2 or 1 ESSAC meetings/year. Delegates preferred to have two meetings for the moment but we keep open the option of having just one, in case there are no big decisions to take face-to-face.

ESSAC CONSENSUS 1510-08: ESSAC agrees to keep two ESSAC meetings each year (October and May meetings). Only if there are no major items that need to be discussed at an upcoming ESSAC meeting, ESSAC will evaluate the possibility to deal with the items that require a decision via e-mail and skip a meeting.

9. Any other business

D. Weis asked to the attendants if there was any other business.

There was a discussion about the fact that it was important to have actions and consensus finalized at the end of meetings. Delegates find it important to participate in the meeting.

For this meeting, as we did in previous ESSAC meetings, J. Gutierrez-Pastor would prepare the draft of Actions and Consensus to circulate it by email.

ESSAC CONSENSUS 1510-09: ESSAC agrees that it is important to have actions and consensus finalized at the end of ESSAC meetings, instead of circulating them by email. In this way, ESSAC delegates can agree and finalize the items discussed during the meeting and feel more involved.

D. Weis thanked to M. Sacchi for the organisation of this meeting. D. Weis and the rest of ESSAC delegates gave thanks to:

ESSAC CONSENSUS 1510-10: ESSAC warmly thanks Marco Sacchi for hosting the 5th ESSAC meeting in Naples (October 26, 2015).

ESSAC CONSENSUS 1510-11: ESSAC thanks G. Früh-Green, as ESSAC Chair, and J. Gutierrez-Pastor, as ESSAC Science Coordinator, for their service to ESSAC during 2014 & 2015 in the ESSAC office at ETH, Zurich, Switzerland.

ESSAC CONSENSUS 1510-12: ESSAC also thanks R. Stein for his work as German ESSAC delegate for many years in ESSAC.

Masters and PhD Students

MCCARTHY, Anders (Switzerland, PhD) Igneous Petrologist

Teachers at Sea

FINGERLE, Markus (Germany) Withdrawn

Expedition 352: Izu Bonin Mariana: Fore Arc (30 July-30 September, 2014)

Co-chief Scientists: [Julian Pearce](#) (UK) & [Mark Reagan](#) (USA)

Senior Scientists

CARVALLO, Claire (France)	Paleomagnetist	
GODARD, Marguerite (France)	Inorganic Geochemist	
ALMEEV, Renat (Germany)	Physical Properties Specialist	
KUTTEROLF, Steffen (Germany)	Sedimentologist	
PRYTULAK, Julie (UK)	Petrologist	
ROBERTSON, Alastair (UK)	Sedimentologist	
KURZ, Walter (Austria)	Structural Geologist	Special Call

Post-doctoral Researchers and Early Career Scientists

KIRCHENBAUR, Maria (Germany, Post-doc) Inorganic Geochemist

Expedition 353: Indian Monsoon Rainfall (29 Nov 2014-29 January 2015)

Co-chief Scientists: [Steven Clemens](#) & [Wolfgang Kuhnt](#) (Germany)

Senior Scientists

MARTINEZ, Philippe (France)	Sedimentologist
ANAND, Pallavi (UK)	Physical Properties Specialist
ROMERO, Oscar (Germany)	Diatom Micropaleontologist

Post-doctoral Researchers and Early Career Scientists

BOLTON, Clara (France)	Nannofossil Micropaleontologist
HATHORNE, Ed (Germany)	Inorganic Geochemist
LITTLER, Kate (UK)	Sedimentologist
BARTOL, Milos (Sweden)	Nannofossil Micropaleontologist

RODRIGUEZ, Mathieu (France)	Physical Properties	Withdrawn
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Masters and PhD Students

TAYLOR, Samuel (France, PhD)	Paleomagnetist	
GARIBOLDI, Karen (Italy, PhD)	Diatom Micropaleontologist	Special Call

Teachers at Sea

FINGERLE, Markus (Germany)

Expedition 354: Bengal Fan (29 January-31 March 2015)

Co-chief Scientists: [Christian France-Lanord](#) (France) & [Volkhard Spiess](#) (Germany)

Senior Scientists

GALY, Albert (France)	Inorganic Geochemist	
HUYGHE, Pascale (France)	Sedimentologist	
MEYNADIER, Laura (France)	Paleomagnetist,	Special Call
WEBER, Michael (Germany)	Physical Properties Specialist	
NAJMAN, Yani (UK)	Sedimentologist	
CASTELLTORT, Sebastian (Switzerland)	Sedimentologist	Withdrawn

Post-doctoral Researchers and Early Career Scientists

ADHIKARI, Rishi Ram (Germany, Post-doc)	Organic Geochemist	
LANTZSCH, Hendrik (Germany, Res. assist.)	Sedimentologist (replacing Castelltort)	
ANTHONISSEN, Erik (Norway, Statoil)	Foraminifer Micropaleontologist	Declined

Masters and PhD Students

FOX, Lyndsey (UK, PhD)	Foraminifer Micropaleontologist	
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Teachers at Sea

HANANO, Diane (Canada)		
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Expedition 355: Arabian Sea Monsoon (CPP) (31 March-31 May 2015)

Co-chief Scientists: [Dhananjai Pandey](#) & [Peter Clift](#)

Senior Scientists

BENDLE, James (UK)	Organic Geochemistry	
ANDO, Sergio (Italy)	Sedimentologist	

Post-doctoral Researchers and Early Career Scientists

STEINKE, Stephan (Germany, Post-doc)	Planktonic Foraminifers Micropaleontologist	
HAHN, Annette (Germany, Post-doc)	Physical Properties Specialist	

Masters and PhD Students

YU, Zhaojie (France, PhD)	Inorganic Geochemistry	
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Expedition 356: Indonesian Throughflow (31 July-30 September 2015)

Co-chief Scientists: [Stephen Gallagher](#) & [Craig Fulthorpe](#)

Senior Scientists

HENDERIKS, Jorijntje (Sweden)	Nannofossil Micropaleontologist	
RENEMA, Willem (Netherlands)	Stratigraphic Correlator	
REUNING, Lars (Germany)	Sedimentologist	
LANGER, Martin (Germany)	Benthic Foram Micropaleontologist	Withdrawn

Post-doctoral Researchers and Early Career Scientists

GROENEVELD, Jeroen (Germany, Post-doc)	Planktonic Foram Micropaleontologist	
PETRICK, Benjamin (UK, Post-doc)	Sedimentologist	

Agenda Item 24: ESSAC: ECORD Expedition staffing and quotas

HIMMLER, Tobias (Germany, Post-doc)	Sedimentologist
DE VLEESCHOUWER, David (Germ, Post-doc)	Phys. Props/Downhole Measurements
BARANWALI, Soma (Norway, Post-doc)	Planktonic Foram Micropaleontologist

PhD Students:

AUER, Gerald (Austria, PhD)	Sedimentologist	
ANGUE MINTO'O, Charlie (France, Post-doc)	Benthic Foram Micropaleontologist	Declined

MSP Expedition 357: Atlantis Massif Serpentinization and Life October - December 2015

Co-chief Scientists: [Gretchen Früh-Green](#) (Switzerland) and [Beth Orcutt](#)

Senior Scientists:

QUEMENEUR, Marianne (France)	Microbiology	Offshore & Onshore
MENEZ, Bénédicte (France)	Microbiology	Onshore
WEIS, Dominique (Canada)	Geochemistry	Onshore
CANNAT, Mathilde (France)	Igneous Petrology	Onshore
BOSCHI, Chiara (Italy)	Metamorphic Petrology	Onshore
BEHRMANN, Jan (Germany)	Structural Geology	Onshore
ESCARTIN, Javier (France)	Structural Geology/Physical Properties	Onshore

Post-Docs & Early Career Scientists:

ROUMEJON, Stephane (Switzerland)	Metamorphic Petrology	Onshore
SCHWARZENBACH, Esther (Germany)	Metamorphic Petrology	Onshore

PhD Students:

ZHAO, Rui (Norway)	Microbiology	Onshore
HESSE, Kirsten (Germany)	Igneous Petrology	Onshore
DUNKEL, Kristina (Norway)	Physical Properties	Onshore

In-Kind Contribution berths:

McCAIG, Andrew (UK) (Senior Scientist)	Structural Geology	Onshore
HARRIS, Michelle (UK) (Early Career)	Metamorphic Petrology	Onshore
BAYAKCI, Gaye (UK) (Early Career)	Physical Properties	Offshore & Onshore

Expedition 359: Maldives Monsoon 30 September - 30 November 2015

Co-chief Scientists: [Christian Betzler](#) (Germany) & [Gregor Eberli](#)

Senior Scientists

REIJIMER, John (The Netherlands)	Sedimentologist	
KROON, Dick (UK)	Foraminifer Micropaleontologist	
LÜDMANN, Thomas (Germany)	Petrophysics - Downhole Measurements	
LANCI, Luca (Italy)	Paleomagnetist	Special Call
YOUNG, Jeremy (UK)	Nannofossil Micropaleontologist	Special Call
CEDRIC John (UK)	Stratigraphic Correlator	Declined
WADE, Bridget (UK)	Foraminifer Micropaleontologist	Withdrawn

Post-doctoral Researchers and Early Career Scientists

HAFKEN, Sebastian (France)	Petrophysics - Physical Properties
BIALIK, Or (Israel)	Sedimentologist
ALONSO-GARCIA, Montserrat (Portugal)	Planktonic Foraminifer Micropaleontologist

Masters and PhD Students

REOLID PEREZ, Jesus (Germany)	Sedimentologist
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Teachers at Sea

DARRIEU, Michelle (France/Belgium)

**Expedition 360: SW Indian Ridge Lower Crust and Moho
30 November 2015 - 30 January 2016**

Co-chief Scientists: [Henry Dick](#) & [Christopher MacLeod](#) (UK)

Senior Scientists

KOEPKE, Jürgen (Germany)	Metamorphic Petrologist	accepted
TRIBUZIO, Riccardo (Italy)	Metamorphic Petrologist	accepted
ILDEFONSE, Benoit (France)	Structural Geologist	accepted
MORRIS, Anthony (UK)	Paleomagnetist	accepted

Post-doctoral Researchers and Early Career Scientists

FRANCE, Lyderic (France)	Igneous Petrologist	accepted
PLUMPER, Oliver (The Netherlands)	Structural Geologist	accepted

Masters and PhD Students

CIAZELA, Jakub (Poland)	Geochemist, Inorganic	accepted
FERRANDO, Carlotta (France)	Structural Geologist	accepted

Teachers at Sea

BURGIO, Marion (France)
KAVANAGH, Lucas (Canada)

**Expedition 361: Southern African Climates
(Agulhas Current Density Profile APL)**

30 January - 31 March 2016

Co-chief Scientists: [Ian Hall](#) (UK) and [Sidney Hemming](#)

Senior Scientists:

BARKER, Stephen (UK)	Stratigraphic Correlator	accepted
GRUETZNER, Jens (Germany)	Physical Properties	accepted

Post-Docs & Early Career Scientists:

CALEY, Thibaut (France)	Sedimentologist	accepted
CRESPIN, Julien (France)	Sedimentologist	accepted
KOUTSODENDRIS, Andreas (Germany)	Sedimentologist	accepted
JUST, Janna (Germany)	Paleomagnetist	accepted
SIMON, Margit (UK)	Benthic Foraminifer	accepted

PhD Students:

VAN DER LUBBE, Jeroen (Netherlands)	Sedimentologist	accepted
TANGUNAN, Deborah (Germany)	Nannofossil Micropaleontologist	Sp Call accepted

Expedition 362: Sumatra Seismogenic Zone

31 July - 30 September 2016

Co-chief Scientists: [Lisa McNeill](#) (UK) & [Brandon Dugan](#)

Senior Scientists:

PICKERING, Kevin (UK)	Core description/Sedimentologist	accepted
MOREAU, Julien (Denmark)	Core description/Sedimentologist	accepted
KUTTEROLF, Steffen (Germany)	Core description/Structural Geologist	accepted
HENSTOCK, Tim (UK)	Core-Log-Seismic Integr./Geophysicist	accepted
BACKMAN, Jan (Sweden)	Nannofossil Micropaleontologist	accepted
BOURLANGE, Sylvain (France)	Petrophysicist-Physical Properties	accepted

Post-Docs & Early Career Scientists:

POUDEROUX, Hugo (France)	Sedimentologist	accepted
HÜPERS, Andre (Germany)	Inorganic Geochemist	accepted

PhD Students:

MITCHISON, Freya (UK)	Diatom Specialist	Special Call accepted
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MSP Expedition 364: Chicxulub Impact Crater

April-May 2016

Co-Chief Scientists: Joanna Morgan (UK) and Sean Gulick

Senior Scientists:

CLAEYS, Philippe (Belgium)	Impact Petrology	Onshore
COCKELL, Charles (UK)	Microbiologist	Onshore & Offshore
OSINSKE, Gordon (Canada)	Microbiologist	Onshore
RILLER, Ulrich (Germany)	Structural Geology	Onshore
GEBHARDT, Catalina (Germany)	Physical Properties	Onshore
OCAMPO-TORRES, Ruben (France)	Organic Geochemistry	Onshore
SMIT, Jan (The Netherlands)	Paleontology	Onshore & Offshore

KENKMANN, Thomas (Germany)	Structural Geology	Declined
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Post-Docs & Early Career Scientists:

FERRIÉRE, Ludovic (Austria)	Impact Petrology	Onshore
POELCHAU, Michael H. (Germany)	Structural Geology	Onshore & Offshore

PhD Students:

PICKERSGIL, Annemarie E. (UK)	Inorganic Geochemistry	Onshore
ZYLBERMAN, William (France)	Paleomagnetism	Onshore
CHENOT, Elise (France)	Inorganic Geochemistry	Onshore
AURIOL, Rae (UK)	Geophysics and logging	Onshore & Offshore

Participants in Expeditions in 2015 & Current Quotas

					Exp 354 Bengal Fan		Exp 355 Arabian Sea Monsoon CPP		Exp 356 Indonesian Flowthrough		MSP Exp 357 Atlantis Massif		Exp 359 Maldives Monsoon		Exp 360 Indian Ridge Moho		Co-chiefs FY 15	Quotas 2014 & 2015 (Exps 349 - 360)				
Member	Financial Contribution (%)	FY 2014 (\$ US)	FY 2015 (\$ US)	Total Contribution (\$ US)	Invited	Special Call	Invited	Special Call	Invited	Special Call	Invited	IKC	Invited	Special Call	Invited	Special Call		Total Berths invited	Total Berths special calls/IKC	Entitled berths - excl. sp. calls & Cc	Diff.	Total Sailed, incl. co-chiefs
France	25.96%	5,212,080	4,353,380	9,565,460	2	1	1				4		1		3		1	18	1	20.51	-2.51	20
Germany	30.39%	5,600,000	5,600,000	11,200,000	3		2		4		3		2		1		2	23	0	24.01	-1.01	26
UK	22.56%	4,296,400	4,016,470	8,312,870	2		1		1			3	1	1	1		1	16	6	17.82	-1.82	24
Sum	78.90%	15,108,480	13,969,850	29,078,330	7	1	4	0	5	0	7	3	4	1	5	0	4	57	7	62.33	-5.33	66
Austria	0.54%	100,000	100,000	200,000					1									1	1	0.43	0.57	2
Belgium	0.16%	30,000	28,100	58,100														0	0	0.12	-0.12	0
Canada	0.41%	75,000	75,000	150,000							1							1	0	0.32	0.68	1
Denmark	0.91%	184,000	150,200	334,200														0	0	0.72	-0.72	0
Finland	0.43%	80,000	80,000	160,000														0	0	0.34	-0.34	0
Iceland*	0.08%	30,000		30,000														0	0	0.06	-0.06	0
Ireland	0.78%	137,000	149,360	286,360														0	0	0.61	-0.61	0
Israel	0.16%	30,000	30,000	60,000									1					1	0	0.13	0.87	1
Italy	2.17%	400,000	400,000	800,000			1				1			1	1			3	2	1.71	1.29	5
Netherlands	2.71%	500,000	500,000	1,000,000					1				1		1			4	0	2.14	1.86	4
Norway	5.97%	1,100,000	1,100,000	2,200,000					1		2							4	0	4.72	-0.72	4
Poland	0.16%	30,000	30,000	60,000											1			1	0	0.13	0.87	1
Portugal	0.49%	90,000	90,000	180,000									1					1	1	0.39	0.61	2
Sweden	2.87%	528,000	528,000	1,056,000					1									3	1	2.26	0.74	4
Switzerland	3.26%	600,000	600,000	1,200,000							1					1		3	1	2.57	0.43	5
Sum	21.10%	3,914,000	3,860,660	7,774,660	0	0	1	0	4	0	5	0	3	1	3	0	1	22	6	16.67	5.33	28
* only 2014																						
TOTAL ECORD		19,022,480	17,830,510	36,852,990	7	1	5	0	9	0	12	3	7	2	8	0	5	79	13	79.00	0.00	94

Invited Participants in Expeditions in 2016 to date & Projected Quotas

				Quotas 2014 & 2015 (Exps 349 - 360)						Exp 361 S. African Climates		Exp 362 Sumatra Seismogenic Zone		MSP Exp 364 Chicxulub Impact Crater		Co- chiefs FY 16	Projected Quotas to Sept 2016 (Exps 349 - 362 & 364)				
Member	Financial Contribution (%)	FY 2014 (\$ US)	FY 2015 (\$ US)	Total Contribution (\$ US)	Total Berths invited	Total Berths special calls/IKC	Entitled berths - excl. sp. calls & Cc	Diff.	Total Sailed, incl. co- chiefs	Invited	Special Call	Invited	Special Call	Invited	Special Call		Total Berths invited	Total Berths special calls/IKC	Entitled berths - excl. sp. calls & Cc	Diff.	Total Sailed, incl. co- chiefs
France	25.96%	5,212,080	4,353,380	9,565,460	18	1	20.51	-2.51	20	2		2		3			25	1	28.29	-3.29	27
Germany	30.39%	5,600,000	5,600,000	11,200,000	23	0	24.01	-1.01	26	3	1	2		4			32	1	33.13	-1.13	36
UK	22.56%	4,296,400	4,016,470	8,312,870	16	6	17.82	-1.82	24	2		2	1	3		3	23	7	24.59	-1.59	35
Sum	78.90%	15,108,480	13,969,850	29,078,330	57	7	62.33	-5.33	66	7	1	6	1	10	0	3	80	9	86.00	-6.00	98
Austria	0.54%	100,000	100,000	200,000	1	1	0.43	0.57	2					1			2	1	0.59	1.41	3
Belgium	0.16%	30,000	28,100	58,100	0	0	0.12	-0.12	0					1			1	0	0.17	0.83	1
Canada	0.41%	75,000	75,000	150,000	1	0	0.32	0.68	1					1			2	0	0.44	1.56	2
Denmark	0.91%	184,000	150,200	334,200	0	0	0.72	-0.72	0			1					1	0	0.99	0.01	1
Finland	0.43%	80,000	80,000	160,000	0	0	0.34	-0.34	0								0	0	0.47	-0.47	0
Iceland*	0.08%	30,000		30,000	0	0	0.06	-0.06	0								0	0	0.09	-0.09	0
Ireland	0.78%	137,000	149,360	286,360	0	0	0.61	-0.61	0								0	0	0.85	-0.85	0
Israel	0.16%	30,000	30,000	60,000	1	0	0.13	0.87	1								1	0	0.18	0.82	1
Italy	2.17%	400,000	400,000	800,000	3	2	1.71	1.29	5								3	2	2.37	0.63	5
Netherlands	2.71%	500,000	500,000	1,000,000	4	0	2.14	1.86	4	1				1			6	0	2.96	3.04	6
Norway	5.97%	1,100,000	1,100,000	2,200,000	4	0	4.72	-0.72	4								4	0	6.51	-2.51	4
Poland	0.16%	30,000	30,000	60,000	1	0	0.13	0.87	1								1	0	0.18	0.82	1
Portugal	0.49%	90,000	90,000	180,000	1	1	0.39	0.61	2								1	1	0.53	0.47	2
Sweden	2.87%	528,000	528,000	1,056,000	3	1	2.26	0.74	4			1					4	1	3.12	0.88	5
Switzerland	3.26%	600,000	600,000	1,200,000	3	1	2.57	0.43	5								3	1	3.55	-0.55	5
Sum	21.10%	3,914,000	3,860,660	7,774,660	22	6	16.67	5.33	28	1	0	2	0	4	0	0	29	6	23.00	6.00	36
TOTAL ECORD		19,022,480	17,830,510	36,852,990	79	13	79.00	0.00	94	8	1	8	1	14	0	3	109	15	109.00	0.00	126

DLP SPEAKER	COUNTRY	INSTITUTION
C. FRANCE LANORD	F	ISTerre, Maison des Geoscience, Grenoble Cedex, Alexandra Gourland
	UK	University of Southampton & National Oceanography Centre, Christopher Pearce
	Turkey	IODP Day, Istanbul
	UK	St Andrew's Dept. of Earth and Environmental, UK, Timothy Hill
	UK	Newcastle University, Christian Maerz
	UK	University of Bristol, Stephan Lautenschlager
	UK	Imperial College London, Alex Whittaker
	FIN	University of Helsinki, Juha Karhu
	UK	University of Cambridge, Edward Tipper
J. KALLMEYER	C	University of Toronto, James Brennan
	C	Ottawa-Carleton Geoscience Centre (OCGC) and the Geological Survey of Canada, Christopher Lawley
	UK	Scottish Universities Environmental Research Centre (SUERC), Dan Barford
	UK	Newcastle University, Ian Head
	C	University of British Columbia, Sea Crowe
	Turkey	IODP Day, Istanbul
	DENM	Center for Geomicrobiology at Aarhus University, Denmark, Ian Marshall
	POR	Universities of Aveiro, Luis Pinehiro
	SWE	Uppsala University, Ian Snowball
A. MORRIS (plus DLP ESSAC meeting Uppsala)	ETHIOPIA (decline)	Addis Ababa University, Ethiopia, Tesfaye Kidane
	F	Géosciences Montpellier, Benoît Ildefonse
	F	IPGS (Institut de Physique du Globe de Strasbourg), Sauter, Daniel
	GER	Leibniz University Hannover, Jürgen Koepke
	GER	University of Bremen, Wolfgang Bach
	GER	Institute for geophysics and extraterrestrial physics, TU Braunschweig, Martin Neuhaus
	The Netherlands	Utrecht University, Marco Maffione
	C	University of Alberta, Canada, David Potter
G. UENZELMANN (plus DLP ESSAC meeting Naples)	F	University of Perpignan, Serge Berne
	GER	Universität Heidelberg, Oliver Friedrich
	UK	University College London, Bridget Wade
	UK	University of Leicester, Sally Morgan
	UK	Department of Geography at Northumbria, Vasile Ersek
	UK	University of Hull, UK, Rebecca Williams
	POR	Instituto Portugues do Mar e da Atmosfera (IPMA), Fatima Abrantes
	UK	University of Exeter, Alastair Graham
	Germany	Helmholtz Centre Potsdam - GFZ German Research Centre for Geosciences, Magdalena Scheck-Wenderoth
P. VANNUCCHI	AUS	University of Graz, Walter Kurz
	C	University of Victoria, Laurence Coogan
	F	Géosciences Montpellier, Benoît Ildefonse
	IS	Haifa and Ben Gurion Universities, Nicolas Waldmann
	IT	University of Modena e Reggio Emilia, Francesca Remitti
	UK	Durham University, Richard Hobbs
	UK	Plymouth University, Antony Morris
	Turkey	IODP Day, Istanbul
	F	Institut de Physique du Globe de Paris, Equipe Géosciences Marines, Catherine Mevel
	BEL	Ghent University, Davi Van Rooij
	UK	British Geological Survey, Nottingham, Melanie J. Leng
	F	Géosciences Rennes at the University of Rennes, Benjamin Guillaume
	GER	GEOMAR, Michael Sipp

Total Lectures
49

Total Lectures
for 2016: 14

- 7 UK
- 1 FIN
- 1 SWE
- 1 CAN
- 1 BEL
- 1 F
- 2 GERM

	Lectures completed
	Lectures in 2016
	Lectures to be done before January 2016

European Consortium for Ocean Research Drilling (ECORD)

ECORD Science Support and Advisory Committee (ESSAC) Terms of Reference

(revised June 2015)

- **Representation**

The ECORD Science Support and Advisory Committee (ESSAC) consists of a national delegate and an alternate from each participating country in the European Consortium for Ocean Research Drilling (ECORD), appointed by the respective Member Organization(s). Alternates can attend, in addition to delegates, as non-voting members. Additional non-voting representation may be invited on an ad hoc basis. Terms of office of the committee members will be reviewed every three years. A three-year rotation is recommended where possible, and no more than one-third of the membership should be replaced in a given year. The first rotation review will be in 2016 after an appointment of 3 years. Terms of office will normally begin in January of any given year.

- **Chair and Vice-Chair**

A Chair and Vice-Chair shall be appointed by the Executive Bureau and approved by the ECORD Council following an open call, review of applications, and nominations by ESSAC. The Chair is responsible for reporting to the ECORD Council and liaising with the ECORD Managing Agency (EMA) and ECORD Science Operator (ESO). The incoming Chair will serve one year as Vice-Chair followed by two years as Chair and rotates off as Vice-Chair during the fourth year. An optional third year as Chair may be considered after discussions between the ECORD Council and ESSAC, and after regulation of the duration of the term of the incoming and outgoing Vice-Chairs. The Chair cannot serve two consecutive terms and consecutive terms in the same host country should be avoided.

ESSAC is represented on the ECORD Facility Board either by the ESSAC Chair or the Vice-Chair. In addition, the ESSAC Chair will act as chair of the Vision Task Force organized by EMA.

- **Division of membership benefits**

The IODP-assigned quota of expedition participants granted to ECORD shall reflect the financial contributions of each member country and specific interests of each participating country. ESSAC, in consultation with EMA, shall annually review the distribution effective as of 1 October 2014 and make recommendations in view of the target ratio and specific drilling interests.

The delegates and alternates on IODP Science Advisory Panels and the ECORD Facility Board shall be designated by ESSAC after an open call and recommendations from national offices, and shall be approved by the ECORD Council and the *JOIDES* Resolution Facility Board. IODP panel membership shall reflect the financial contribution of each participating country over a rolling three-year period. In the normal case, all ECORD

representatives on the IODP advisory panels shall serve for a three-year period and may not be re-appointed for a second consecutive term.

- **Obligations of the ESSAC delegates**

- To ensure that all ESSAC and joint ECORD meetings are attended by the delegates or by their alternates. If neither can participate, the relevant committee shall be informed and, if possible, a substitute nominated.
- To actively participate in the evaluation process of applications and selection of candidates for IODP Expeditions, ECORD Scholarships, ECORD Grants, DLP lectures and members of IODP and ECORD advisory panels.
- To ensure that the scientific interests of ECORD as a whole are represented by whoever attends the IODP advisory panel meetings on behalf of ECORD.
- To ensure that the minutes of ESSAC meetings are distributed to the national alternates and national ECORD representatives.
- To attend ECORD workshops and to report to ESSAC when requested.
- To provide information to interested parties within the national scientific communities of each ESSAC member country and to advise on national regulations and policies.

- **Voting**

A quorum is required before decisions can be taken. There is no power of attorney for absent members. A quorum requires the presence of a majority of the members. Where possible ESSAC shall proceed by consensus; if this is impossible, there shall be a majority vote. Each delegate present has one vote and the Chair has a casting vote. If no decision is reached, the issue shall be passed to the ECORD Council.

- **Secretariat**

The ESSAC Office shall be funded from the budget of EMA, after approval by the ECORD Council. The Office shall rotate, on a two-year basis, with the Chair of ESSAC. The budget shall be sufficient to provide salary for a Science Coordinator with a scientific background, the full cost of maintaining an office and resources to compensate the Chair.

- **Tasks**

ESSAC is responsible for the scientific planning and coordination of Europe's contribution to and participation in IODP. The main purpose of ESSAC is to maximize ECORD's scientific and technological contribution to IODP.

ESSAC is responsible for:

- Advising ECORD funding organisations and ECORD Council members on IODP issues.
- Coordinating expedition applications, nominating shipboard participants and reviewing quotas of shipboard scientists between participating countries.
- Reporting to the ECORD Council.
- Liaising with EMA and ESO.
- Interacting with the appropriate IODP bodies, in particular the IODP scientific bodies.

- Coordinating ECORD Training, Education and Outreach Programmes, through the evaluation of applications and the funding of ECORD Grants, ECORD Schools, ECORD Scholarships, Teachers/Educators at Sea and the Distinguished Lecturer Programme.
- Evaluating applications and nominating scientists to participate in the ECORD Facility Board.
- Nominating representatives (delegates and alternates) on IODP advisory panels.
- Responding to the ECORD Council on requests for evaluation of its activities and initiation of evaluations of the ECORD scientific input to IODP.
- Assisting and advising EMA on extending the scientific community of the consortium to non-member countries.
- Initiating and monitoring workshops on specific scientific themes and syntheses of European IODP programs.
- Assisting and advising EMA on the formulation of proposals for funding European related infrastructure.
- Providing stimulation and guidance for the writing of drilling proposals in accordance with the IODP Science Plan and encourage IODP-related activities among participating countries.
- Encouraging (a) innovative science and technology development, and (b) the formulation of long-term integrated IODP studies.
- Assisting and advising EMA and ESO on public outreach.

The ESSAC Chair represents and supports ESSAC in all ECORD and IODP activities. It is the responsibility of the ESSAC Chair to:

- Manage the ESSAC Office.
- Oversee and manage ESSAC's scientific activities, including scientific planning, evaluation and staffing of IODP expeditions, and evaluation and nominations of ECORD panel members.
- Oversee and coordinate educational activities and participation in defining strategies for ECORD science, funding and technology.
- Communicate with and advise IODP program managing and support offices regarding nomination and staffing of expeditions and coordination of education and outreach activities.
- Oversee quotas and maintain country balance for IODP expeditions and panel members and participants of education and outreach activities.
- Liaise with the ECORD Council, EMA and ESO.
- Report to the ECORD Council.
- Organise and chair the meetings of ESSAC.
- Attend meetings of the ECORD Executive Bureau, ECORD Council and the ECORD Facility Board and provide advice on ECORD science priorities and long-term scientific planning in accordance with the IODP Science Plan.
- Chair the ECORD Vision Task Force and assist in ECORD's scientific strategy.
- Represent ESSAC at other IODP meetings, such as the JR Facility Board and IODP Forum meetings, or arrange for an appropriate alternate.
- Inform the ESSAC delegates of ECORD and IODP activities and decisions.
- Provide contributions to ECORD Newsletters and ECORD Annual Reports.
- Ensure that an IODP-ECORD/ICDP session is organised at the EGU General Assembly meetings.

The ESSAC Science Coordinator shall assist the ESSAC Chair in running the ESSAC Office and is responsible for:

- The day-to-day administration of the ESSAC Office and communication with ESSAC delegates and the wider IODP science community.
- Coordinating, preparing, distributing and posting “Calls for Applications” to participate in IODP expeditions, IODP advisory panels and ECORD education and outreach activities (ECORD Research Grants, ECORD Summer Schools, ECORD Scholarships and the Distinguished Lecture Program, opportunities for teachers/educators at sea)
- Distributing other relevant information and announcements through the ESSAC mailing list and social media platforms.
- Receiving, compiling and archiving applications for all science, education and outreach activities. Distribute application lists and compile rankings and participant information received from the ESSAC national delegates.
- Maintaining and updating the ESSAC website (including Facebook)
- Supporting the scientific community and the IODP National Offices.
- Coordinating ECORD Education & Outreach activities, attending ECORD Education & Outreach Task Force meetings, and participating in outreach activities at international meetings (e.g., EGU).
- Planning and assisting in the ESSAC meetings. Preparing the Agenda Book and minutes of these meetings.
- Providing contributions for the ECORD Annual Report and ECORD Newsletter.

- **Proceedings**

ESSAC shall meet twice a year, or at the request of one-fourth of the members, the ECORD Council, or the ESSAC Chair. Fall meetings will usually be joint meetings with the ECORD Council and spring meetings shall be dedicated to planning and discussion of ESSAC activities. Liaisons from EMA and ESO are invited to attend the ESSAC meetings.

The normal agenda shall include:

- Reports from EMA and ESO.
- Reports from recent IODP advisory panel or facility board meetings.
- Staffing nominations, progress and evaluation.
- Update and planning of Education and Outreach activities
- Reports from completed expeditions.
- Any other tasks.

ESSAC can implement working groups and define their terms of reference.