

**3rd Meeting of the
ECORD Science Support & Advisory Committee**

ESSAC

October 7, 2014
Zurich, Switzerland

MINUTES



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List of Participants

ESSAC Office

Gretchen Früh-Green (Chair and host) ESSAC Delegate Switzerland
Julia Gutiérrez Pastor ESSAC Science Coordinator

ESSAC Representatives

Sigal Abramovich ESSAC Alternate Israel
Andrea Argnani ESSAC Delegate Italy
Jochen Erbacher ESSAC Alternate Germany, MagellanPlus Workshops
Kikki F. Kleiven ESSAC Delegate Norway
Aarno Kotilainen ESSAC Delegate Finland
Anne Le Friant ESSAC Alternate France
Markus Kienast ESSAC Alternate Canada
Lucas Lourens ESSAC Delegate Netherlands
Kenneth Mertens ESSAC Alternate Belgium
Xavier Monteys ESSAC Delegate Ireland
Werner Piller ESSAC Delegate Austria
Luis Pinheiro ESSAC Alternate Portugal
Marit-Solveig Seidenkrantz ESSAC Delegate Denmark
Ian Snowball ESSAC Delegate Sweden
Piotr Przewdziecki ESSAC Alternate Poland
Bridget Wade ESSAC Delegate UK

EMA/ESO/ Liaisons

Milena Borissova EMA
Gilbert Camoin EMA
Gil Young Kim IODP Korea
Tom Janecek NSF
Patricia Maruéjol EMA
Ursula Röhl ESO

Observers / Guests:

Nadine Hallmann CEREGE
Silvia Spezzaferri ESSAC Alternate Switzerland

Apologies

Bryndís Brandsdóttir ESSAC Delegate Iceland
Georges Ceulener ESSAC Delegate France
Carlota Escutia ESSAC Vice-Chair
Rüdiger Stein ESSAC Delegate Germany
Alan Stevenson ESO
David Van Rooij ESSAC Delegate Belgium
Antje Voelker ESSAC Delegate Portugal

Szymon Uscinowicz
Nicolas Waldmann
Dominique Weis

ESSAC Delegate Poland
ESSAC Delegate Israel
ESSAC Delegate Canada

1. Introduction

1.1 Call to order, welcome and introductions

G. Früh-Green welcomed all ESSAC delegates, alternates, observers and invited guests to the 3rd ESSAC Meeting in Zurich, Switzerland. The ESSAC meeting started with self-introductions of each participant.

1.2 Meeting logistics

G. Früh-Green provided information about the meeting logistics.

1.3 Discussion and approval of the (1) agenda and (2) minutes from the 2nd ESSAC meeting in Keflavik, Iceland

G. Früh-Green summarized the current agenda and reviewed goals of the meeting. The ESSAC Delegates approved the agenda.

ESSAC CONSENSUS 1410-01: ESSAC approves the agenda of the 3rd ESSAC meeting on 7 October 2014 in Zurich, Switzerland.

ESSAC CONSENSUS 1410-02: ESSAC approves the minutes of the 2nd ESSAC meeting on 26-28 May 2014 in Keflavick, Iceland.

1.4 Review of Keflavik ESSAC meeting action items

G. Früh-Green presented the main action items since the last ESSAC meeting. The list below contains the actions items, which arose at the 2nd ESSAC meeting in Keflavick. Action items that have been accomplished by the ESSAC Office are labelled as “Done”. Action items not yet fulfilled are labelled “in progress” or “pending”.

> **ESSAC Action Item 1405-01:** The ESSAC chair shall discuss with Gilbert Camoin possibilities for the ESSAC chair or liaison to act as an official voting alternate on the JR Facility Board (JRFB) in the case that the official EMA representative cannot attend the JRFB meetings and ECORD would be without a vote in the final decisions. ***Done***

> **ESSAC Action Item 1405-02:** The ESSAC office shall contact EMA to enquire about the possibility to carry over the unused portion of the ECORD Grant budget for other purposes. ***Done***

> **ESSAC Action Item 1405-03:** The ESSAC office shall communicate the outcome of scholarships and grants to applicants. ***Done***

> **ESSAC Action Item 1405-04:** The ESSAC E&O Subcommittee shall reformulate the Call to apply for ECORD Scholarships to clarify what is meant by the acceptance of applications from non-ECORD members “under exceptional circumstances”. The discussion will be by email. In ***progress***

G. Früh-Green added that this action needs a general discussion of ESSAC policies of non- ECORD member applications.

> **ESSAC Action Item 1405-05:** The ESSAC office shall include the stage of early career of each scholarship applicant when compiling the Excel file to rank. *To do, in due time*

> **ESSAC Action Item 1405-06:** The ESSAC office shall make an internal Scholarship database for ESSAC to compile all the names of students that have applied, participated in and have been awarded scholarships in previous years up to the present (2007-present). This will facilitate the selection for future Scholarship applications. *In progress*

> **ESSAC Action Item 1405-07:** The ESSAC E&O subcommittee shall establish criteria to rank the ECORD Scholarship and Grant applications and will present a clear proposal of selection with standardised guidelines after the Breakout session. *To do, before next spring ranking*

G. Früh-Green added that this action requires email discussions among the ESSAC Education & Outreach subcommittee.

> **ESSAC Action Item 1405-08:** The ESSAC office will attempt to add an option in the “apply to sail” webform for applicants to select both full and shore-based modes. *Done*

> **ESSAC Action Item 1405-09:** The ESSAC Office shall inform all DLP applicants of the status of their applications. *Done*

> **ESSAC Action Item 1405-10:** The ESSAC Office will issue a Call for institutions to host ECORD Distinguished Lecturers in 2014 and 2015. *Done*

> **ESSAC Action Item 1405-11:** The ESSAC Office will inform the lecturers of their budget and responsibilities. In some cases, the ESSAC Office shall request revised lecture titles that more clearly reflect the link to ocean drilling. The ESSAC Office will provide guidelines for the lectures and introductory IODP / ECORD slides to be used as a mandatory part of the lectures. The ESSAC Office shall encourage the 2014/2015 Distinguished Lecturers to provide a short YouTube video summarising their presentation and to advertise the lectures on the ESSAC website. *Done*

> **ESSAC Action Item 1405-12:** The ESSAC office shall provide a draft version of the Call for Applications for future ECORD Distinguished Lecturers (post 2015), which will include the request to provide an abstract and a 3-5 minute YouTube video of the content of the planned lecture candidates as part of the application package. These videos should be made available to advertise the lectures on the ESSAC website. *To do, in due time*

> **ESSAC Action Item 1405-13:** The ESSAC office shall issue a general call to replace members of SEP rotating off the panel after the June 2014 SEP meeting (2 F, 1 CH) after the SEP chairs have indicated the needed expertise and subpanel distributions. *Done*

> **ESSAC Action Item 1405-14:** The ESSAC office will compile an official list of alternates for the IODP Advisory Panels and shall ask past members and those rotating off the advisory panels to be official alternates to SEP and EPSP. *In progress*

> **ESSAC Action Item 1405-15:** The ESSAC Office is to inform the applicants for past Advisory Panel calls of the status of their applications. *Done*

- > **ESSAC Action Item 1405-16:** The ESSAC office shall revise the wording of the general Calls to sail to (1) highlight the general expertise that may be required for the expedition and to (2) indicate that the candidate is required to send a copy of the application packages to the National Offices or national delegates. **Done**

- > **ESSAC Action Item 1405-17:** The ESSAC office shall revise the wording of the special Calls to Sail that have short deadlines and which request specific expertise. To avoid confusion, these calls shall be named “Special Calls”, not emergency calls or urgent calls. The term “Urgent Call” shall refer to specific cases where a new member of the science party is required at very short notice, close to the sailing date. **In progress**

- > **ESSAC Action Item 1405-18:** The ESSAC office shall try to reduce the size of email attachments of all calls, so that one is more likely to open them (such as when using a smart phone). **Done/continuous**

- > **ESSAC Action Item 1405-19:** When issuing Calls to sail, the ESSAC office shall provide a short accompanying email text that is more informative and includes links to websites where more information is available. **Done/continuous**

- > **ESSAC Action Item 1405-20:** The ESSAC office shall send the outcome of expedition rankings and nominations to all delegates, after discussion and decision by the subcommittee members. **Done**

- > **ESSAC Action Item 1405-21:** The ESSAC office shall prepare a letter to be sent to all ECORD scientists invited to sail on an expedition to remind them of their obligations, such as: (1) to report all publication resulting from the expedition to the ESSAC Office and to their national delegate/office; and (2) present their results at international meetings, such as EGU. **To do**

- > **ESSAC Action Item 1405-22:** ESSAC will not rank applications related to Special Calls; however, the ESSAC Office shall distribute the applications to the ESSAC delegates for comments prior to sending them to IODP. **Done**

- > **ESSAC Action Item 1405-23:** The ESSAC Office will distribute initial lists of invitations to the N & S subcommittee for comments prior to informing the IODP Expedition Project Manager and Supervisor of Science Support (currently Adam Klaus). **In progress, to discuss at ESSAC meeting #3**

- > **ESSAC Action Item 1405-24:** The ESSAC Office will distribute information to the national alternates on a regular basis. **In progress**

- > **ESSAC Action Item 1405-25:** To ensure fair consideration of student and early stage post-doc applications, the ESSAC Office will separate these from other researchers in the excel sheets provided to the ESSAC delegates for rankings. **Done**

- > **ESSAC Action Item 1405-26:** The ESSAC Office shall include comment column(s) in the ranking tables to include intended research or comments on quality of candidate (sent by national delegate/office or from N & S discussions). **Done**

> **ESSAC Action Item 1405-27:** When discussing quotas at the ECORD Council level, the ESSAC Chair is to convey ESSAC's opinion that when looking at the quota balance at the end of a 3-5 year period, one should keep in mind that scientists move around and may undertake or finish their IODP-related research in a different country from which they applied or sailed. Thus, a country can benefit from scientists who move from one country to another. **Done**

> **ESSAC Action Item 1405-28:** ESSAC Office shall set up a Doodle Poll to determine the dates and Location of the May 2015 ESSAC meeting. **To do**

G. Früh-Green asked all participants for comments or questions.

1.4.1 Changes to “Application to Sail” procedures & Calls

G. Früh-Green explained the changes to the “Application to Sail” procedures and Calls and showed online the new ESSAC website “Apply to sail” module

(<http://www.essac.ecord.org/index.php?mod=participation&page=applytosail>).

According to the new procedure applicants will submit an application as follows:

1. Download the application form from the ESSAC Website,
2. Send the application materials as PDF file(s) to the ESSAC email address.

The new application form, designed by the ESSAC office, for scientists interested in applying for expeditions was displayed. The applicants no longer need to register on the ESSAC website to submit an application for an expedition.

The new application procedure has been implemented to

1. Standardize the format and content of applications, and
2. Minimize problems associated with the previous application system (characterized by errors)

2. ESSAC News

2.1 ESSAC representatives and National Office reports / issues (ESSAC Delegates & Alternates)

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

Norway, H.F. Kleiven:

H.F. Kleiven provided the ESSAC office with a PowerPoint presentation. Kleiven informed the ESSAC participants about the Norwegian contributions:

Norwegians at Sea:

- *Romaine Meyer Department of Earth Science, University of Bergen sailed on Exp. 345*
- *Cedric Hamlin, Centre for Geobiology, University of Bergen sailed on Exp. 350*
- *A Norwegian researcher was invited to sail on Exp 354 but sadly declined*
- *Soma Baranwal from the University of Tromsø has been invited to sail on Exp. 356 (accepted)*

H.F. Kleiven informed the group about the PhD defense of Eirik Galaasen (April 14, 2014) which relied on material recovered from Leg 108, Leg 177 and Leg 303/306.

There are many new IODP publications in high impact journals by Norwegian authors, such as the Science paper of 2014 “ Rapid Reductions in North Atlantic Deep Water During the Peak of the Last Interglacial Period”, based on material from IODP Legs 303/306 and ODP Leg 177.

Norwegian challenges:

- *Build up the next generation of Norwegian IODP researchers. The Centres for Excellence in Climate, GeoBio and GassHydrates located in Norway are based on ODP/IODP participation. A “SMALL” nation that is “BIG” in terms of marine and polar research*
- *Start a national IODP network with representatives from the Universities in Oslo, Bergen, Stavanger, Trondheim and Tromsø and the Geological survey, the Oil Directorate and industry partners*
- *Promote IODP in social media, conferences, university newsfeeds and highlight Masters and PhD theses + publications based on IODP material.*
- *Integrate IODP in Norway’s research strategies for geological, marine, climate and polar research*

Secure funding for participation on expeditions (especially for early career scientists):

- *Until 2009 the NRC funded travel to/from the Expedition ports, attendance at sampling parties and post cruise meetings for Norwegian ODP/IDOP participants. In 2009/10 these funds were abruptly (and sadly) cancelled*
- *The RCN also cancelled the small start-up grants, which ensured that initial material obtained from the IODP expeditions could be used to develop larger grant proposals (this was a success resulting in the Centres for Excellence and several EU & ESF projects)*
- *When this funding abruptly ended, quota numbers could not be fulfilled (!) because many early career scientists, without personal grants, had to decline participation*

Thus: There needs to be a discussion between the IODP community in Norway and the NRC about the funds the NRC are willing to commit to IODP. Continued Norwegian activity must be stimulated and the Norwegian representative will encourage a sum of 100 000 NOK ~11 000 EUR to be set aside every year for cruise participation (with special emphasize on early career scientists) and national IODP outreach and network activity.

Denmark, M.S. Seidenkrantz:

Danish scientists are processing and working on samples recovered from the Baltic Sea Expedition. There is not much political discussion about IODP. With regard to the future, there is a large interest in Arctic research and exploration. The Danish representative expects high interest in any expedition conducted in Arctic waters.

Germany, J. Erbacher

There has been no change in the German standpoint since the last ESSAC meeting in Iceland. There are ample German candidates applying for IODP Expeditions. Money is provided by the Research Institutions currently and not the universities. The situation is therefore stable.

Poland, P. Przewdziecki

There is a new director of the Polish Geological Institute (PGI). As a result, the Polish ESSAC representative will probably change. The scientific interests in the Baltic Sea expedition prevail. Dr. Wojciech Granoszwski participated in the offshore Baltic Sea Expedition and the onshore phase in Bremen.

France, A. Le Friant

The following outreach activities were communicated: IODP France is participating in national meetings with exhibition booths. There was a French School of Rock organized by Jean Luc Berenger attended by more than 40 teachers representing different French school districts. This School of Rock has been included in the National Program of Formation for Teachers and demonstrates the strong interest of France in IODP. Two "French Teachers at Sea", who were selected by ECORD participated in the event.

In addition, conferences and interchanges with schools have been held to disseminate the findings and goals of the IODP Expedition 340: Lesser Antilles Volcanism and Landslides. These activities will continue during the second post-cruise meeting to be held in January 2015 in Martinique. With regard to staffing, three scientists will participate in IODP Expedition 354. One French co-chief scientist and four shipboard scientists will participate in IODP Expedition 353. Nine IODP post-cruise projects have been funded (80,000 euros). The PIs of the projects were participants of IODP expeditions, with the exception of one PI.

Two postdocs have been funded by IODP France to ensure post-cruise research. This new initiative has been very well received and is considered a successful tool for the French science community.

Portugal, L. F. Menezes Pinheiro

Scientists are working on the results of Expedition 339. There are two nationally funded projects for two postdocs working on data from Expedition 339. The first publication is expected next year. Research is still being conducted on diatoms from Expeditions 323 and 346 (North Pacific and Japan) and on Pliocene data from Expedition 306. A Portuguese biogeochemist with expertise in porewater analysis participated in Expedition 351, which means the scientific interest of Portuguese researchers is spreading to other fields. This biogeochemist received an ECORD scholarship and will travel to Salamanca to analyze isotopes on samples. Portugal plans an IODP day in spring 2015, and plans to integrate a DLP lecture into this event. There are several Portuguese applications to sail on upcoming expeditions.

The Netherlands, L. Lourens

IODP / ECORD activity in The Netherlands is stabile. There are currently a few PhD projects being conducted on material recovered from the Mediterranean Outflow and Baltic Sea Expeditions. In addition, there is a new ECORD council delegate, Bernard Westerop, who attended the ECORD meeting in Zurich for the first time. Marco Maffione participated in Expedition 351 and Willem Renema will participate in Expedition 356 (ITF).

IODP Netherlands is still working on compiling IODP related publications and this is something to discuss in the next IODP committee meeting of the Netherlands.

Belgium, K. Mertens

The situation in Belgium is stabile at the moment but the future is unclear. Effort has been invested to ensure funding for 2015 but there is no news yet. There is a new government and for this reason the future standpoint is unknown. K. Mertens is working on data from the Asian Monsoon Expedition and some students of D. Van Rooij are working on Mediterranean data.

Israel, S. Abramovich

Israel joined ECORD very recently, parallel to the development of the Mediterranean Research Centre of Israel. This Institution gathers all marine geology researchers who promote ECORD among scientists. N. Waldmann has established an IODP-ECORD website and Facebook account that are very successful. On September 18th there was a research night in all universities with marine geology as the topic. Many children attended the event. There were well-received presentations about the JOIDES Resolution. The K-T boundary core replica is currently on

temporary display at the Haifa University, for education and outreach purposes. N. Waldmann applied to host a DLP Lecture and is looking forward to host the Lecturer soon.

Ireland, X. Monteys

Ireland has had very little change since the previous ESSAC meeting. The goal is to engage more institutions and universities and encourage participation in the IODP program. A seminar will be conducted in October to foster more applications for IODP Expeditions.

Sweden, I. Snowball

Sweden enjoys the highest level of IODP activity since the ACEX expedition was conducted. Thomas Andren, Elinor Andren and Ian Snowball presented results of the Baltic Sea Expedition at the 12th Colloquium on Baltic Sea Marine Geology (September 2014, Leibniz). Nadine Quintana Krupinski, currently a postdoc at Lund University, was supported by USSSP to participate in the Baltic Sea Expedition.

The Swedish Arctic Expedition that took place a few years ago used the icebreaker Oden. This Arctic experience can provide interesting and useful information for future Arctic expeditions.

Canada, M. Kienast

The Canadian representative is very excited to have Diane Hanano invited as an education officer on Expedition 354. D. Weis is working on the revised version of her proposal. The situation in Canada is stable, although they are still struggling to maintain funding for participation. A large-scale proposal to secure funding for one year has been submitted.

Finland, A. Kotilainen

Both Aarno Kotilainen and Outi Hyttinen are busy working on material recovered from the Baltic Sea Expedition. The Academy of Finland will fund a three-year postdoc for Outi Hyttinen. Their focus is to study Baltic Sea material and to combine this research with studies of material collected in the eastern Gulf of Finland, in collaboration with their Russian colleagues. One PhD thesis, based on the aforementioned studies, with Kari Strand as advisor, will be submitted soon.

The A. Kotilainen, as ESSAC representative for Finland, presented results of the Baltic Sea Expedition at the 12th Colloquium on Baltic Sea Marine Geology.

UK, B. Wade

The UK, has initiated a new program to provide awards (moratorium awards) to guarantee funding for scientists to develop IODP research. Currently the first phase of the program is underway; scientists apply, sail on expeditions and are awarded funding. The program provides generous awards and is very successful. The goal is to encourage early career scientists to be involved in IODP work.

An UK IODP meeting, held some weeks ago, and was attended by 80 people; 13 IODP talks and 40 posters were presented. A Site Survey Call was issued and resulted in the submission of eight proposals. There is a lot of activity and interest in drilling and this site survey initiative.

Italy, A. Argnani

Italy received 800,000 Euros from the Ministry of Education for the Department of Environment Sciences. The contribution to ECORD will be 400,000 Euros. Italy is in the process of establishing a committee with members to be involved in IODP. These members must be appointed by their own institutions. Andrea Argnani, as ESSAC representative, attended a meeting with the Head of the Environment Sciences Department in July 2014, in Rome. The establishment process is slow. Discussions about how to use the extra money that will not be contributed directly to ECORD

continue; possibilities such as funding PhDs, providing funds for post-cruise research, etc. are being considered.

Recently 2 scientists have been invited to sail on IODP expeditions (one as a micropaleontologist on the Indian Monsoon expedition and another one as a sedimentologist on the Arabian Sea Monsoon expedition).

One Italian teacher was selected to participate as a Teacher at Sea on Expedition 354, but the application was withdrawn. There was a Geological meeting in Milan in September, which included an IODP booth, core replicas and IODP brochures, and a session related to IODP. Currently there are some students working on IODP material. Angelo Camerlenghi is leading a drilling proposal to drill in the Mediterranean Sea with the Chikyū. This is an umbrella project, which targets the Messinian age of the Miocene Epoch.

Austria, W. Piller

Funding is considered to be stable for the next five years. Negotiations were lengthy because the funding agency has undergone changes. Science funds go directly to the Ministry instead of the Academy of Sciences. The MOU has been signed and the structure appears to be in order. The Austrian contribution to ECORD remains unchanged.

With regards to science, there is currently one postdoc and one PhD student working on material recovered from expedition 339. One scientist has returned from the IBM Expedition 352. One postdoc and two PhD students are working on data derived from this expedition. A sound number of applications to participate in IODP expeditions are being submitted. There is one Austrian proponent of the Chicxulub proposal and another Austrian proponent of the Brazilian Equatorial Margin proposal. The interest in attending the ECORD Summer Schools is continuously increasing.

Switzerland, G. Früh Green

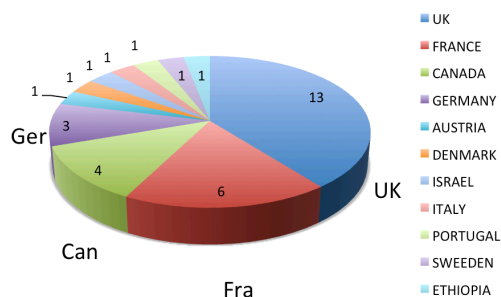
Since the last ESSAC meeting activity has been regular and stable. Two PhD students have been invited to sail on IODP Expeditions and one postdoc has been invited in response to a special call. Applicants involve several disciplines, not only sedimentology but also petrology. The participation is spreading to different institutions around the country and this is positive. Michael Strasser is the lead proponent of one IODP proposal (the deadline was the 1st of October). There is an annual Geosciences meeting in Fribourg (November). There will be an IODP special session in this meeting. Anneleen Foubert and Michael Strasser are part of the organization of the meeting. The Swiss participant of IBM Expedition 351 will present a poster. The funding keeps stable for the next 3 years. There are no specific funds for post-cruise research, just for travel expenses of post-cruise meetings, congresses etc. Post-cruise research is funded for individual projects. IODP activity will increase next year because the Atlantis Massif Expedition will take place. G. Früh-Green is the co-chief of this expedition. She will give a talk in the annual Geosciences meeting to explain the goals and plans of the expedition. This will serve also to spread information about IODP among the community.

> ESSAC Action Item 1410-01: The ESSAC office shall distribute information to the national alternates to participate in tasks of ranking and nomination for expeditions, advisory panels, scholarships, grants, etc. This will provide the ESSAC delegates a means of distributing their workload and will allow the alternates to be involved in ESSAC activities should they wish to do so.

2.2 Update on the status of DLP – applications, scheduling, budget (Annex 1)

G. Früh-Green presented an update of the Distinguished Lecturer Programme 2014/2015 (status as of the 6th of October, 2014).

33 APPLICATIONS
32 ECORD applications



1 application from ETHIOPIA

DLP SPEAKER	TOTAL OF REQUESTS	TOTAL OF REQUESTS AS FIRST PRIORITY
C. FRANCE LANORD	16	7
J. KALLMEYER	13	2
A. MORRIS	16	8
G. UENZELMANN	17	6
P. VANNUCCHI	16	7

Three Institutions did not choose a preferred speaker.

Five more applications were received following the ESSAC meeting in Zurich: 1 UK and 1 Canada (for J. Kallmeyer), 1 The Netherlands (for A. Morris), 1 France (for P. Vannucchi) and 1 Finland (C. France-Lanord).

G. Früh-Green indicated that the assignment of institutions to each DLP speaker would be done after the ESSAC meeting (in November).

A discussion about applications from non-ECORD members was initiated because there was an application from Ethiopia. G. Früh-Green reminded the participants that the discussion about accepting Ethiopia as a host institution of DLPs was initiated by email. All representatives agreed that accepting an application from a developing country could be a good idea. In addition, Belgian colleagues support this application. If funds are available and the DLP speaker agrees to accept the invitation, then the application could be considered.

G. Camoin said that there have been other DLP Lecturers from other non-ECORD countries in the past, such as Croatia.

M. S. Seidenkrantz remarked that the two cases are not comparable because Croatia could be a potential member of ECORD, but Ethiopia could not (due to the economical situation).

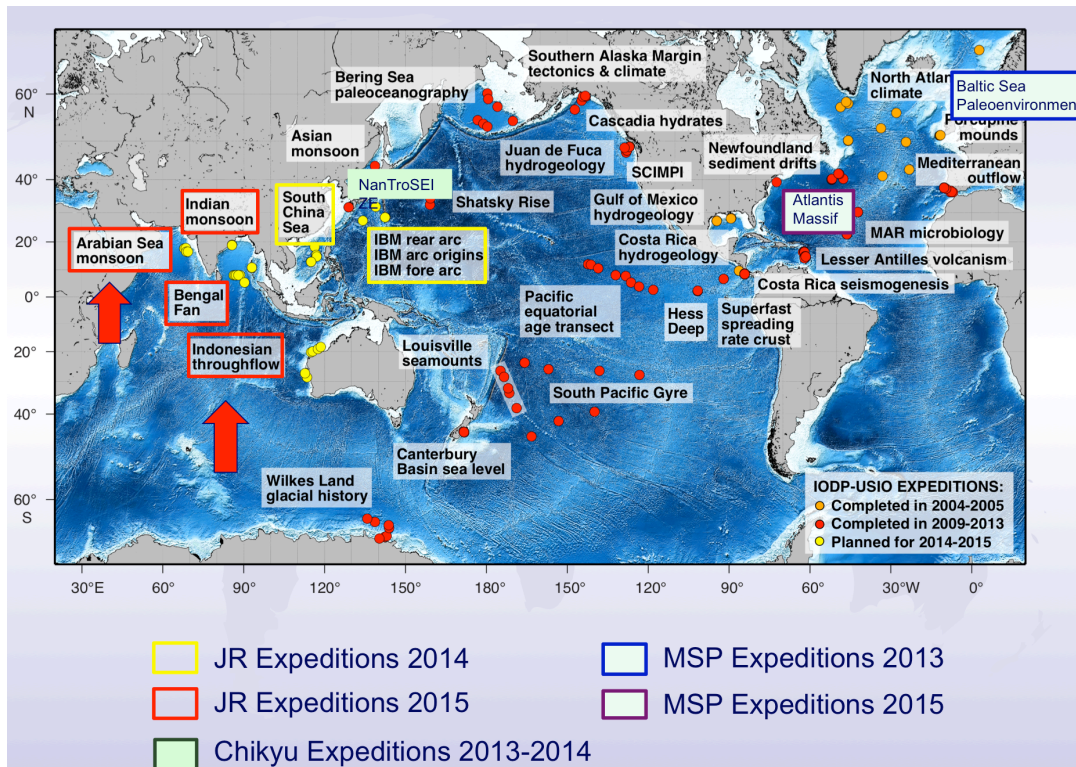
In conclusion: applications from non-ECORD countries may be considered, on a case by case basis.

3. Expeditions, Nominations and Staffing

3.1 Staffing (Annexes 2a and 2b)

G. Früh-Green reported on staffing.

Completed and Upcoming IODP Expeditions scheduled for 2015

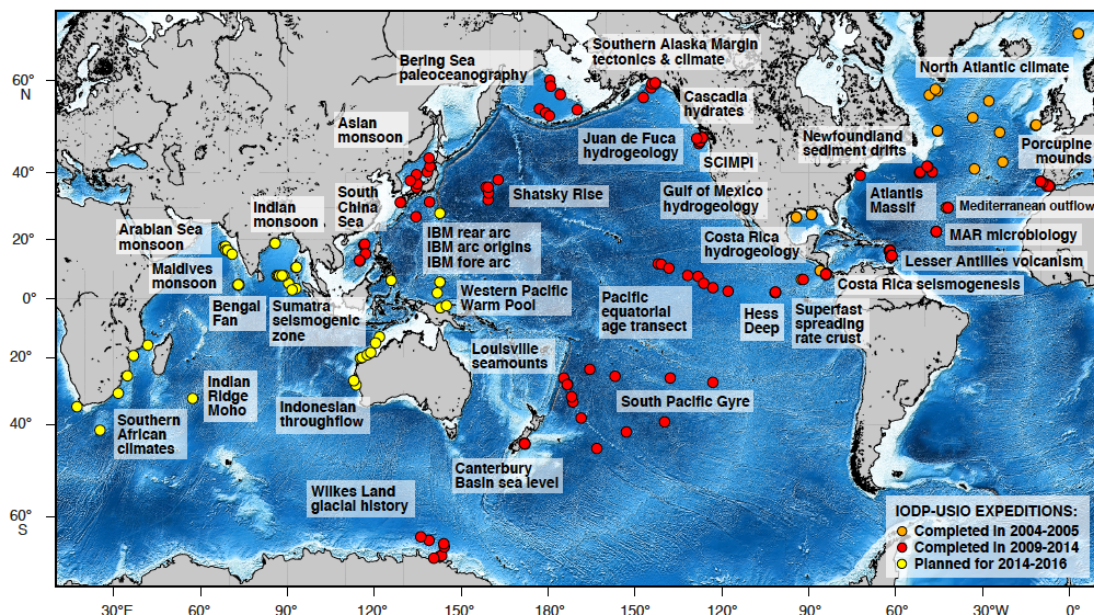


Staffing Distributions 2014 *JR* Expeditions 349 to 352*

Total ECORD Participants: 23 invited + 6 Special Calls + 1 Co-chief

Upcoming IODP Expeditions 2015 - 2016 Ranking & Nominations in Progress

Expeditions are subject to availability of funds.



The list of participants was distributed to the Delegates & Alternates with the Agenda Book. An updated version of this document is included in these Minutes ([Annex 2a](#)).

ESSAC CONSENSUS 1410-03: When the *JOIDES Resolution* Science Operator (JRSO) send initial lists of planned invitations to participate on *JR* expeditions, the ESSAC Chair shall inform and discuss with the appropriate national delegates in cases of uncertainties or when there are deviations from the initial priority lists that were agreed upon by the N & S subcommittee.

> **ESSAC Action Item 1410-02:** ESSAC will not rank applications related to Special Calls. However, the ESSAC Office shall contact the relevant IODP national office and/or delegate in case of uncertainties with applications, prior to sending the applications to the *JOIDES Resolution* Science Operator (JRSO).

Updates on expedition staffing & applications ([Annexes 2a and 2b](#))

G. Früh-Green explained that Expeditions 353, 354 & 355 aim to better understand the co-evolution of mountain building, weathering and erosion, climate, and the development of monsoons

JR Expedition 353: Indian Monsoon (29 November 2014-19 January 2015)

Singapore to Singapore

Co-Chiefs: Steven Clemens & Wolfgang Kuhnt (Germany)

Objectives: Drilling late Cretaceous-Holocene sediments to better understand the physical and climatological mechanisms underlying changes in monsoonal precipitation, erosion, and run-off across multiple time scales.

24 Applicants – 9 will sail

3 France, 2 Germany, 2 UK, 1 Sweden, 1 Italy (Sp. Call)

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

Singapore to Sri Lanka

Co-Chiefs: Christian France-Lanord (France) & Volkhard Spiess (Germany)

Objectives: to obtain a Neogene and late Paleogene record of Himalayan orogeny and climate. The objectives are to investigate interactions among the growth of the Himalaya and Tibet, the development of the Asian monsoon, and processes affecting the carbon cycle and global climate.

30 Applicants – 8 will sail

3 France (1 Sp. Call), 3 Germany, 2 UK

JR Expedition 355: Arabian Sea Monsoon (CPP) (31 March - 31 May 2015)

Singapore to Sri Lanka

Co-Chiefs: Dhananjai Pandey & Peter Clift

Objectives: to understand the interaction between the Himalayas and Tibetan plateau uplift as well as the development and evolution of the Indian summer monsoon. Four sites in the eastern Arabian Sea will target sediments of the Indus submarine fan to better understand the co-evolution of mountain building, weathering and erosion, and climate across multiple time scales.

24 Valid Applications – 5 ECORD scientists have been invited

1 France, 2 Germany, 1 UK, 1 Italy

JR Expedition 356: Indonesian Throughflow (31 July – 30 September 2015)

Fremantle to Darwin, Australia

Co-Chiefs: Stephen Gallagher & Craig Fulthorpe

Objectives: drill a latitudinal transect on the northwest Australian Shelf (1) to understand the controls on Quaternary extra-tropical carbonate and reef deposition, (2) to chart the variability of the Australian monsoon and onset of aridity in NW Australia over the past five million years, and (3) to document the spatial and temporal subsidence patterns along the NW shelf to constrain the interaction between Australian plate motion and mantle convection and ground truth geodynamic models.

Staffing updated in November 2014 (after the ESSAC meeting)

19 valid applications - 10 ECORD scientists have been invited

Staffing Distributions 2014-2015 JR Expeditions 353, 354 & 355

Total ECORD Participants: 20 invited + 2 Special Calls + 3 Co-chiefs

G. Früh-Green introduced the points of discussion.

➤ **ESSAC Action Item 1405-23:** The ESSAC Office will distribute initial lists of invitations to the N & S subcommittee for comments prior to informing the IODP Expedition Project Manager and Supervisor of Science Support (currently Adam Klaus). ***In progress***

Timing is often very short.

IODP selection usually corresponds to ESSAC rankings & recommendations the Chair finds this uncontroversial.

In cases of uncertainty, the ESSAC Chair contacts the delegate / national offices.

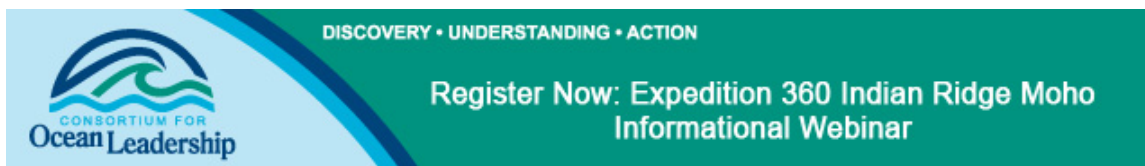
Calls for Expeditions in 2015 & 2016

- MALDIVES MONSOON EXPEDITION 359 – October to November 2015
- INDIAN RIDGE MOHO EXPEDITION 360 – December 2015 to January 2016
- SOUTH AFRICAN CLIMATES EXPEDITION 361 – February to March 2016

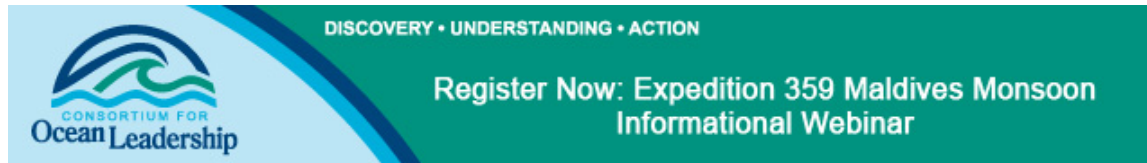
Deadline to apply: October 1, 2014

G. Früh-Green reported about the Webinar Calls.

Ocean Leadership organizes Webinars



Held Wednesday, September 10th at 3 PM EST.



Held Wednesday, September 17th at 3 PM EST.

Applications for JR Expeditions 359, 360 & 361 (Expeditions subject to availability of funds) (Updated after the ESSAC meeting) (Annex 2a)

JR Exp. 359: Maldives Monsoon and Sea Level (Indian Peninsula Paleoclimate APL) (30 September to 30 November 2015) Darwin, Australia to Colombo, Sri Lanka

Co-chiefs: Christian Betzler & Gregor Eberli**Objectives:** Drill seven sites across the Maldives carbonate system from the inner-platform to the continental slope including drift deposits to investigate Neogene Indian Ocean environmental change and the onset of the modern carbonate depositional system driven by fluctuations in sea level and ocean currents.

This expedition will also core one site along the western Indian continental margin (849-APL) to obtain a Paleocene-Holocene sedimentary sequence within the proximal core region of summer monsoon precipitation to reconstruct the pre-monsoonal and monsoonal ocean salinity, and erosion, weathering and run-off in the Eastern Arabian Sea.

Nineteen valid applications: 1 Fr, 4 Ger, 6 UK, 1 Au, 1 CH, 3 NL, 2 Por, 1 Is

G. Früh-Green asked the delegates whether ESSAC should extend the deadline for ECORD applicants. All the delegates agree to extend the deadline until the 14th of October 2014.

JR Exp. 360: SW Indian Ridge Lower Crust and Moho 30 November 2015 to 30 January 2016 Colombo, Sri Lanka to Port Louis, Mauritius

Co-chiefs: Henry Dick & Christopher MacLeod

Objectives: the first of a two expedition program, will initiate drilling through the Atlantis Bank gabbroic massif 500 m into mantle near ODP Hole 735B. The two major objectives are (1) to recover the lowermost gabbros and crust-mantle transition to understand the processes creating mid-ocean ridge basalt, and (2) to resolve the controversy as to whether the Moho at slow spreading ridges can be a serpentinization front. Additional objectives: constrain the lateral heterogeneity of the lower crust, the nature of magnetic reversals in plutonic rock, and stress-strain evolution of a plate boundary undergoing asymmetric seafloor spreading.

Eighteen valid applications from ECORD member countries: 4 Fr, 5 Ger, 6 UK, 1 Italy, 1 NL, 1 Pol
Good balance of expertise and career stage; no applicants with microbiology expertise

JR Exp. 361: Southern African Climates (Agulhas Current Density Profile APL) (30 January to 31 March 2016)

Port Louis to Capetown, South Africa

Co-chiefs: Ian Hall

Objectives: investigate the interaction between climate and the Agulhas Current during the Plio/Pleistocene. Six drill sites to determine (1) the sensitivity of the Agulhas Current, (2) the dynamics of Indian-Atlantic gateway circulation, and (3) the connection between Agulhas Leakage and shifts of the Atlantic Meridional Overturning Circulation (AMOC) during major ocean and climate reorganizations of the past 5 Ma.

This expedition will also include the Agulhas Current Density Profile ancillary project (845-APL), which will reconstruct temperature and salinity over a depth transect during the last glacial maximum.

Seventeen valid applications from ECORD member countries: 3 Fr, 6 Ger, 5 UK, 1 Can, 2 Por
Good balance of expertise – strong number of early career applicants

G. Früh-Green presented the tentative deadlines for ranking the Expeditions 359, 360 and 361 and indicated that the ESSAC nominations had to be sent to IODP by December 1, 2014 for the 359 and 360 Expeditions and January 1, 2015 for the 361 Expedition.

G. Früh-Green reported about the future Calls for Expeditions.

Future Calls for Expeditions

- IODP Exp. 357 (MSP): Atlantis Massif Seafloor Processes
 - 24 October 2015 – 9 December 2015 (TBC)
 - Call to apply for Science Party – Deadline 9 January 2015
- Calls in the Spring of 2015 for:
 - IODP Exp. 362, Sumatra Seismogenic Zone, 31 July – 30 Sept. 2016
 - IODP Exp. 363, Western Pacific Warm Pool, 30 Sept. – 30 Nov. 2016

Staffing Balance & Quotas (Annex 2b)

G. Früh-Green presented the totals/ projected stand quotas for FY 2015 and the projected quotas for eight JR expeditions in FY 2014 and 2015. At the time of the Zurich ESSAC meeting, the staffing numbers for Expedition 356 were not definitive because confirmation of invitation acceptance has not been finalized. A revised version of this table is in the Annex 2b, updated as of 24 November 2014.

G. Früh-Green stated that more applications are needed from scientists and students from France. ESSAC was informed that Iceland would not be an ECORD member in 2015.

About the staffing, G. Früh-Green communicated that the staffing process is working well. Co-Chiefs receive all the applications, as do the delegates. Scientists are selected based on the required expertise and the advice of ESSAC (i.e. if there is a low ranked applicant from France but ESSAC recommends considering this applicant, a decision can be made based on his/her expertise and potential skills).

G. Früh-Green explained how the quota table values were calculated:

- Calculations include CPPs, using:
 - Actual number of invited scientists for CPPs
 - Eight berths per regular JR expedition (even if the actual number varies from this)
- Calculations do not include scientists sailing as a result of Special Calls or as Co-chiefs.

3.2 Update on advisory panel members and applications

G. Früh-Green gave an update on advisory panel membership and current SEP applications.

**ECORD Advisory Panel Members – Rotations
(updated as of November 2014)**

SEP (Science Evaluation Panel)				
Science Evaluation Subgroup:			Term	Expertise
Kroon	Dick	UK	Chair	Paleoceanography
Godard	Marguerite	France	Jan 15-Dec 17	Petrology and geochemistry
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’Reagen	Matt	Sweden	May 13-Dec 15	Marine geology, paleoceanography
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
Berné	Serge	France	Jun 14- Jan 17	Seismic stratigraphy and sedimentology
Huuse	Mads	UK	Sept 12 - Dec 15	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
Mosher	David C.	Canada	Sept 12 - Dec 15	Structural geology
Unzelmann-Neben	Gabi	Germany	Vice-chair 2014	Reflection seismology, sedimentology, seismostratigraphy, sediment transport

EPSP: Environmental Protection & Safety Panel			
Hovland	Martin	Norway	Geophysicist, stable carbon isotope analysis
Lapointe	Philippe	France	Sedimentology and geology of the sedimentary basins
Long	Dave	UK	Marine Geohazards, Shallow gas and gas hydrates
Strack	Dieter	Germany	Exploration, Oil & Gas

Recent Calls – Panel Members



CALL FOR APPLICATIONS

to serve as an ECORD panel member on the **SCIENCE EVALUATION PANEL (SEP)**,
a Science Advisory Panel to the Facility Boards of
THE INTERNATIONAL OCEAN DISCOVERY PROGRAM (IODP)

DEADLINE: 6 October 2014

Applications for SEP (updated after the ESSAC meeting)

Need replacements for 3 Panel Members: 2 France, 1 Switzerland

RECEIVED 23 valid Applications: 10 Fr, 2 Ger, 9 UK, 1 Au, 1 CH

- Climate & Oceans / Climate & Tectonics: 3 Fr, 6 UK, 1 Ger, 1 Au, 1 CH
- Earth Connections / Oceanic Lithosphere: 3 Fr, 1UK
- Earth in Motion /Geodynamics/Geohazards: 4 Fr, 2 UK, 1 Ger

G. Früh-Green suggested short deadlines for ranking applications for SEP to be able to inform successful candidates by the end of November.

Upcoming Calls / Points to Consider:

- Do we only staff the 3 members rotating off now?
- Or consider candidates for the next rotation (1 UK member – Climate & Oceans) after January meeting?
- Large rotation (SEP Science & Site Survey & Chair) at the end of 2015 / beginning of 2016
- Shall we select 2nd priority candidates to invite as official alternates?

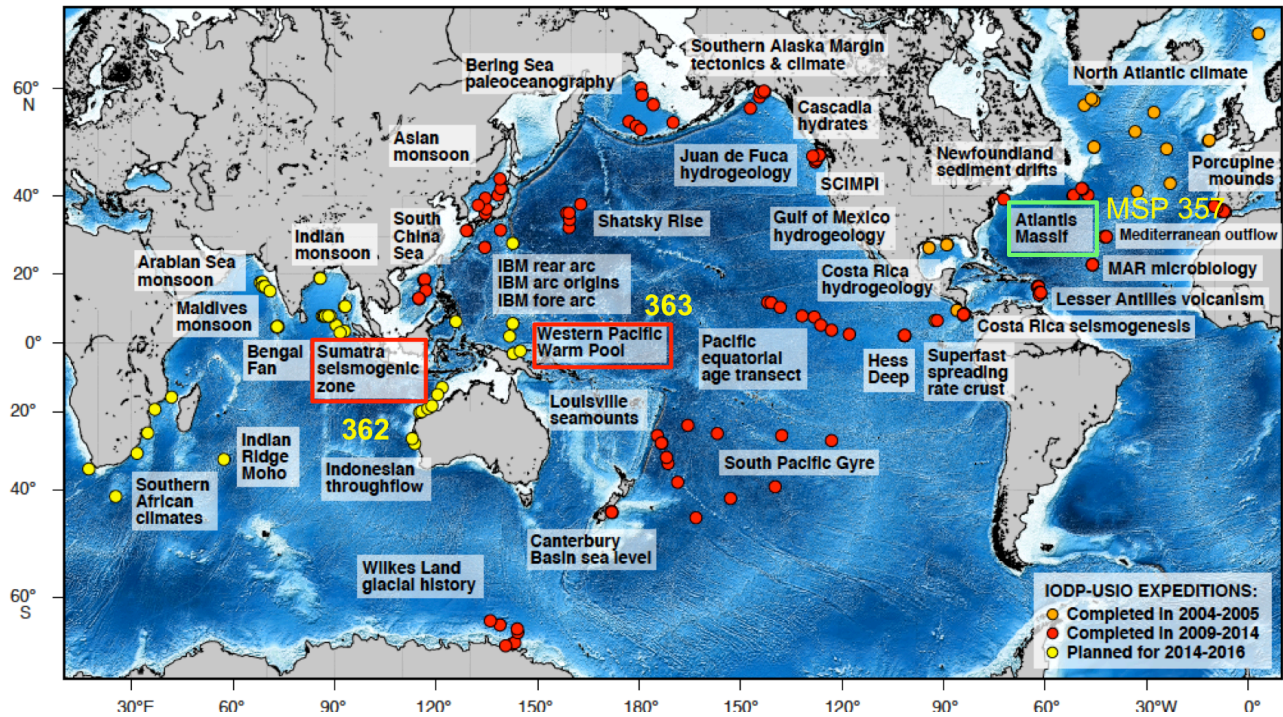
G. Früh-Green recommended keeping the applications for the next members that will soon rotate off at hand (i.e. S. Robinson will rotate off in June 2015). In this way, there is no need to publish a new Call for new applications. M. S. Seidenkrantz agrees but points out that the applications should be qualitatively good and the expertise should fit the requirements. G. Früh-Green agrees with this

point.

ESSAC CONSENSUS 1410-04: The ESSAC delegates shall select four new members for SEP, to replace members rotating off the science sub-group: A. Delacour (F), N. Sultan (F), M. Strasser (CH) and S. Robinson (UK, will rotate off in June 2015). ESSAC approves to consider other highly ranked SEP applications as alternates to be able to ensure that experts with the required expertise are available for future SEP meetings.

3.4 Upcoming calls for expeditions & panel members

Calls expected early 2015 - Exps. 362 & 363 (Expeditions subject to availability of funds)



3.5 Discussion of ESSAC Vice-chair 2015-2016/ future chair 2016-2018

G. Früh-Green led a discussion to choose the upcoming ESSAC Vice-chair for 2015-2016 and presented a draft call for the future ESSAC Chair 2016-2018 for discussion and modification. Currently the ESSAC Chair Call may be accessed through the ESSAC webpage: http://www.essac.ecord.org/flyer/ESSAC_chair_2016_call.pdf. The deadline to apply is 9 January 2015.

4. Education and Outreach - Updates and Outstanding Issues

4.1 ECORD Summer Schools 2014/2015 update

J. Gutierrez-Pastor introduced the ECORD Summer Schools (2014) and gave the floor to L. Lourens, to report on the Urbino Summer School 2014 and to U. Röhl, to report on the Bremen Summer School 2014.

Summer Schools 2014

- Urbino Summer School in Paleoclimatology 2014 (July 9-24 2014)
www.urbinosp.it
- ECORD Bremen Summer School 2014 on Subseafloor Biosphere: Current Advances and Future Challenges (22 September-3 October, 2014)
www.marum.de/en/ECORD_Summer_Schools.html

J. Gutierrez-Pastor mentioned that the ESSAC office received reports from students from ECORD member countries who attended the Summer Schools.

The following information was reported by U. Röhl about the Bremen Summer School (2014)

Aims to:

- Educate PhD students and young postdocs about one of the major topics of IODP: “Biosphere Frontiers”
- Get students in touch with IODP at an early stage of their career
- Prepare students for participation in IODP expeditions, by taking them on a “virtual ship”
- Train students in the use of shipboard techniques

Location and Organization

- MARUM - Center for Marine Environmental Sciences
- IODP Bremen Core Repository
- GLOMAR - Bremen International Graduate School for Marine Sciences

Program - The First Week

- The first week mainly focused on lectures featuring key aspects of the summer school's topic: “Subseafloor Biosphere: Current Advances and Future Challenges”
- (1) Introduction to the topic (S. D'Hondt, J. Amend, A. Teske)
- (2) Identification, quantification, and characterization of microbial communities in the deep biosphere (F. Inagaki, A. Teske, A. Schippers, B. Engelen, J. Kallmeyer, H. Sass, M. Lever, K.U. Hinrichs)
- (3) Habitats and geosphere-biosphere interactions (B. Jørgensen, M. Bowles, H. Sass, G. Bohrmann, G. Wegener, V. Heuer, J. Amend, W. Bach)
- (4) IODP case studies (F. Inagaki, B. Jørgensen, B. Orcutt)

Every morning the participants, working in groups, conducted a 15 min wrap-up of the previous day.

Program - The Second Week

- Introduction to IODP and ECORD
- The options for active participation in IODP
- The Bremen Core Repository (BCR) and core curation
- Exercise: Writing an IODP proposal

The “Virtual Ship” Experience:

- Group-based lab exercises in the IODP Bremen Core Repository (BCR) & MPI

- Core descriptions
- Physical properties
- Sample handling
- Cultivation of seafloor biosphere microorganisms
- Microbiology methods
- Interstitial water chemistry
- Downhole logging

(J. Kallmeyer, R.R. Adhikari, M. Lever, M. Bowles, G. Wegener, B. Engelen, J. Feldkamp, H. Sass, S. Steinke, G. Martinez-Mendez, U. Röhl, H. Kuhlmann, S. Davies, J. Inwood, L. Schnieders)

Program – the Field Trip (Saturday)

V. Heuer led a field trip to The German Natural Oil Museum in Wietze

U. Röhl introduced the recipients of the ECORD Summer School “Best Oral Presentation Award”.

- Leif-Erik Rydland Pedersen, University of Bergen, Norway

Title: Geochemical constraints on alteration textures in the upper oceanic crust

- Justine Sauvage, University of Rhode Island, USA

Title: Water radiolysis: boosting subsurface life of the South Pacific Gyre?

The winner of last year’s oral presentation, David de Vleeschouwer, formerly from the Free University in Brussels, used the contacts made during the ECORD Summer School, as well as the knowledge gained, to apply the methods of astrochronology (for the first time) to Devonian records. The results have been published in *Geology* in 2014 (now postdoc at MARUM since October 1, 2014).

In addition, U. Röhl showed the professional trajectory of another previous Summer School participant, Dr. Beth Orcutt.

- Student participant of the 2008 ECORD Summer School in Bremen
- Summer school participation led to the first postdoc position with one of the 2008 lecturers
- Shipboard scientist on board the JOIDES Resolution on Expeditions 327 (2010) and 336 (2011)
- Lecturer at the 2014 ECORD summer school in Bremen
- Co-chief scientist on IODP Exp. 357 to the Atlantis Massif

The Participants

- Twenty-nine early career scientists attended from Europe, USA, Asia & South America
- ECORD member and non-member country participation was as follows: four Germany, four USA, three Norway, two Austria, two China, two Poland, two Denmark, two UK, two Israel, one Turkey, one Belgium, one Switzerland, one Finland, one Italy, one Chile

U. Röhl thanked the participants and the organizers of ECORD for providing funds for the ECORD Summer School on “Subseafloor Biosphere: Current Advances and Future Challenges”, Bremen 2014.

J. Gutierrez-Pastor summarized the upcoming **ECORD Summer Schools (2015)**.

Twenty thousand Euros will be requested to fund Summer Schools in 2015.

Four applications:

1. The Urbino Summer School in Paleoclimatology 2015

2. ECORD Bremen Summer School 2015 “ Ocean Crust Processes: Magma. Faults, fluxes, and life”
3. The International School of Foraminifera Proposal
4. ECORD Training Course in Bremen

ESSAC Consensus 1405-03: ESSAC approves the funding of € 10,000 each for two ECORD Summer Schools in 2015: the ECORD Bremen Summer School 2015 “Ocean crust processes: magma, faults, fluxes, and life” and the ECORD-Urbino Summer School in Paleoclimatology 2015.

ESSAC CONSENSUS 1405-05: ESSAC approves to use part of the remaining funds of ECORD Grants to fund an ECORD Summer School in 2015.

The international School of Foraminifera Proposal

- Three week course, June of each year
- Biostratigraphy of Foraminifera
- Request support for students to attend the ISF course
- Training for students to carry out research that is relevant to IODP
- Amount requested: 5.000 Euros

ESSAC CONSENSUS 1405-06: ESSAC shall contribute €5000 for student travel support to attend the International School of Foraminifera, Urbino in June 2015, pending approval by the ECORD Council.

4.1.1 ECORD Training Course 2015: “Virtual Drillship Experience”

U. Röhl gave a brief overview of the ECORD Training Course.

Concept of the ECORD Training Course

- Framework: this new training scheme will be carried out in conjunction with the well-established Bremen ECORD Summer School. Contrary to the two-week ECORD Summer School held each year which has a defined scientific topic discussed in various scientific lectures and repercussions for the school’s virtual ship training program, the new ECORD training course offers a basic training for early career scientists to prepare them for participating in a drillship expedition. In so doing, the ECORD Training Course will follow-up the unique “Virtual Ship” approach developed for the ECORD Summer School
- Target group: next generation of scientists (PhD students, young postdocs) mainly from non-ECORD but also including IODP member countries
- Aim: to introduce the participants to life as a shipboard scientist, introducing shipboard scientific methods and work flow during a simulated drilling cruise
- Focus: on the practical aspects applied on the drilling vessels of the program: the JOIDES Resolution (JR), the Chikyu and the Mission Specific Platforms (MSP: offshore, onshore Science Party in Bremen)
- How often: once a year
- When: ~ 2nd half of February

- Duration: one week (5 days)
- Size: about 30 participants
- Where: MARUM - Center for Marine Environmental Sciences of the University of Bremen. Taking advantage of the unique and integrated facilities offered by the IODP Bremen Core Repository (BCR) and the MARUM Laboratories. All non-destructive methods, and original IODP/ODP/DSDP cores stored at BCR will be used
- Instructors: Bremen staff and external experts from leading IODP affiliated institutions around the world, who will be invited to add selected methods
- Estimated Costs: approximately 7,500 € (for travel costs for external lecturers, lab consumables, course materials, etc.)

The Program:

- (1) IODP, ECORD, and ESSAC: Structure and Objectives
- (2) IODP Core Curation
- (3) Visual Core description
 - A. Sediments
 - B. Hardrocks
- (4) Smear Slide Preparation & Analysis
- (5) Core Logging Methods
- (6) Downhole Logging Integration
- (7) Pore-water Acquisition & Analysis
- (8) Biostratigraphy
- (9) Composite Records
- (10) Data Management
- (11) IODP Proposal Writing

There was a discussion about the concept and goals of the Bremen Training course. The questions addressed were:

- *Is the concept good?*
- *Is it an initiative that will benefit ECORD?*
- *Should it be open to senior scientists in addition to students?*
- *Should it be open to individuals from non-ECORD countries? If it is open, shall the applicants from non-ECORD countries have to pay a fee?*

Delegates agreed to approve the funding of the Bremen Training Course, suggesting some minor changes in the initial proposal:

ESSAC CONSENSUS 1410-05: ESSAC approves to provide € 7,500 from the ESSAC Budget for the ECORD Bremen Training Course 2015. The following items should be considered as guidelines by the training course organisers: 1) the course should be open to senior scientists, industry scientists (?), etc., and not only to early-career scientists; 2) the registration has to be open to ECORD and IODP member countries and to non-ECORD/IODP applicants and; 3) non-ECORD applicants shall pay a fee to participate in the Training Course. Non-ECORD applicants from an IODP member country should pay a different and lower fee than applicants from non-IODP member countries.

4.2 ECORD Grants and Scholarships 2014

J. Gutierrez-Pastor gave a summary of the ECORD Scholarships and Grants (2014) (Annex 3)

GRANT Awardees 2014

BUDGET: 15.000 EUR

Ten applicants, from seven ECORD member countries (2 UK, 2 Can, 2 Ger, 1 Aus 1 Port, 1 Den, 1 Switz)

ESSAC CONSENSUS 1405-04: ESSAC approves 5 awards (applications with high quality) of ECORD Research Grants 2014, totalling € 8585: 2 UK, 1 Austria, 1 Germany and 1 Portugal. This will leave a total of 6415 in the 2014 ESSAC Budget.

SCHOLARSHIP Awardees 2014

Budget: 15.000

Total applications: 70

BREMEN Awardees

- Thirteen applications: Ten applications from seven ECORD member countries, three applications from two non-ECORD countries
- Four Bremen Awardees: 4 top candidates (2 D, 1 Fi, 1 N)

URBINO Summer School Awardees

- Fifty-seven applications
- Forty-six applications from thirteen ECORD Countries
- Eleven applications from five non-ECORD Countries
- Fourteen Urbino Summer School Awardees: (6 UK, 2 Fr, 2 Germ, 1 Pol, 1 C, 1 Bel, 1 Port)

The following previous ESSAC action items were shown for discussion.

> ESSAC Action Item 1405-07: The ESSAC E&O subcommittee shall establish criteria to rank the ECORD Scholarship and Grant applications and will present a clear proposal of selection with standardised guidelines after the Breakout session.

> ESSAC Action Item 1405-04: The ESSAC E&O Subcommittee shall reformulate the Call to apply for ECORD Scholarships to clarify what is meant by the acceptance of applications from non-ECORD members "under exceptional circumstances". The discussion will be by email.

DISCUSSION:

- Funding for non-ECORD Countries (i.e., US has a support program)?
- Consider the balance between countries?

All participants agree to remove the wording " ... on exception to non-ECORD countries" in the next call to avoid applications from non-ECORD countries that ESSAC will not consider to rank.

> **ESSAC Action Item 1410-03:** The ESSAC office shall remove the wording “ ... on exception to non-ECORD countries” in the next call to apply for ECORD Scholarships for Summer Schools.

> **ESSAC Action Item 1410-04:** The ESSAC E&O subcommittee shall initiate a discussion by email to establish criteria to rank the ECORD Scholarships for Summer Schools and ECORD Research Grant applications and will present a clear proposal of selection with standardised guidelines before the next ranking period in 2015.

> **ESSAC Action Item 1410-05:** The ESSAC office shall issue the calls for ECORD Grants 2015, ECORD Summer Schools 2015 and a call to Host Summer Schools 2016 in January/February of 2015.

4.3 Teachers at Sea

J. Gutierrez-Pastor showed the current status of ECORD Teachers at Sea.

Teachers at sea 2014

- Lesley Allen (UK) sailed on the Izu-Bonin-Marianna Rear Arc Expedition 350
- Markus Fingerle (Germany) was invited to sail on the Izu-Bonin-Marianna Arc Origins Expedition 351, but could not. Fingerle is scheduled to sail on Expedition 353 Indian Monsoon Rainfall.

Teachers at Sea 2015

J. Gutierrez-Pastor showed that a call was issued during the summer of 2014 for teachers and educators to sail on Expeditions 353 and 354: the deadline for applications was July 13, 2014.

Teachers at Sea/School of Rock

Teachers at Sea 2015 OPEN Call The ECORD Science Support and Advisory Committee (ESSAC) offers the unique opportunity for teachers and educators of ECORD countries to sail in Expedition 353: Indian Monsoon Rainfall: 29 November 2014 - 19 January 2015 and Expedition 354: Bengal Fan: 29 January - 31 March, 2015.

Deadline to apply: July 13, 2014

To apply, follow the instructions and fill the application form [here](#) - **doc**

 [further information about Teachers at Sea available here](#)

Applications

NAME	POSITION	COUNTRY
Cicconi, Alessia	Science teacher, High school (Udine)	Italy
Hanano, Diane	IODP Canada Science coordinator (Vancouver)	Canada
Darrieu, Michelle	Life and Earth Sciences Teacher, High School (Brussels)	Belgium


- Alessia Cicconi was invited to sail on Expedition 354 Bengal Fan, but she had to cancel the participation in this expedition. The application will be keep active for future

expeditions.

- Diane Hanano will sail on Expedition 354.

J. Gutierrez-Pastor presented a compilation of the Teacher at Sea Program applications and participations since 2009.

COMPARISON OF TEACHERS AT SEA APPLICATIONS SINCE 2009

Applications for Teachers at Sea & School of Rock	Applications recorded in the ESSAC office	ECORD Teachers selected 
Teachers at Sea 2015 Bel 1 Can 1 It 1	3 applications	1 Can
Teachers at Sea 2014 Fr 3 UK 3 Ger 2	8 applications: all UK, Fr & Ger	1 UK, 1 Germ
School of Rock 2013 Can 2	2 applications: 2 Can	2 Can
Teachers at Sea 2012 UK 4 Aus 1 Fr 1 It 1 Sp 1	8 applications: 4 UK	1 Fr, 1 UK
Teachers at Sea 2011		1 Port, 1 Can
School of Rock 2010 UK 5 Can 1 Fr 1 Ger 1 Por 1	9 applications: 5 UK	2 Fr
School of Rock 2009 Fr 6 Sp 5 It 3 Port 2 Aus 1 Bel 1 Germ 1 Swe 1	20 applications: 6 Fr, 5 Sp	1 Fr, 1 Port

G. Früh-Green explained to the ESSAC delegates that Lesley Allen, from UK, complained to the ESSAC office because the US Teachers at Sea receive a salary, but the ECORD Teachers do not. This complaint was an isolated case. Although sailing as an Educator is an opportunity and a very interesting experience, the ESSAC office can not realistically expect feedback from the teachers' experience because ECORD teachers have no funding support from ECORD. G. Früh-Green pointed out that some ECORD countries have funds for travel expenses (such as UK, France, Germany and Canada). M. S. Seidenkrantz commented that she can not promote the Teachers at Sea program because there are no funds to support teachers. This point led to a discussion about trying to get a balance of applications by countries, with the same funding opportunities. J. Erbacher suggested that ECORD could provide some economical support for Teachers at Sea. All the participants agreed. Although ECORD does not have a budget for salaries of teachers participating in the program (nor does it for scientists that sail on expeditions), it was agreed that some support could be provided for travel expenses.

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.

4.4 Upcoming E & O calls 2015

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

- Call for ECORD GRANTS 2015 (to be issued in January)
- Call for SUMMER SCHOOL SCHOLARSHIPS 2015 (to be issued in January/February in coordination with the Summer School)
- Call to Host Summer Schools 2016 (to be issued in January)

4.5 Changes to the ECORD/ESSAC Websites

J. Gutierrez-Pastor showed the main new changes to the ESSAC Website (<http://www.essac.ecord.org/>).

MAIN UPDATES

Module “About ESSAC”

- Links to ECORD Facility Board and ECORD Industry Liaison Panel in the Panel section
- ECORD national office contacts: contact names and email address added
- Continuously updating the names of delegates, panel members, reports, etc.

Module “Apply to Sail”

The application process has been simplified:

- Download the application form from the ESSAC Website
- Send the application materials to the ESSAC email address
- Applicants do not have to apply through the website anymore

How to be part of the ESSAC distribution list: Item added to the ESSAC webpage under Participation & Sailing

Education and Resources

- DLP open Call and Lecturers 2014 are updated on the ESSAC website
- ECORD Summer Schools information has been updated
- ECORD Scholarship awardees has been posted on the ESSAC website
- Grant awardees has been posted on the ESSAC website
- Teachers at Sea 2015 info and links has been updated
- Education and Resources: Links added to the ECORD Photo Galleries, Videos, Press and Media pages

Admin module

- Calendar: Workshops and IODP/ESSAC/ECORD meetings were updated until the end 2014
- News is continually being updated

Facebook

- Two hundred thirty Friends
- Posting all ESSAC News continually

5. Proposal and Discussion of ESSAC Budget 2015

G. Früh-Green presented a proposal of the ESSAC Budget 2015 to be revised if necessary and presented to the ECORD Council for approval ([Annex 4](#)).

New Items:

- Decrease Chair's travel costs
- Increase in October Meeting contribution
- Decrease conference travel support
- ECORD Training Course

Notes:

- Variations in salary cost due to changes in current exchange rates. FY 14: 1€ = 1.22 CHF; FY 15: 1.21
- End \$ amount subject to exchange rate fluctuations.
FY 14: 1€ = 1.3665 US \$
FY 15: 1€ = 1.32 US \$

6. General Discussion of ESSAC Policies and non-ECORD Member Applications

G. Früh-Green initiated a general discussion about ESSAC policies and non-ECORD member applications.

6.1 Discussion of Russia as “Accessing ECORD Member” – involvement in E & O activities

ESSAC CONSENSUS 1410-06: ESSAC approves to accept Russia as an “Accessing Member” for education activities as part of their offered contribution of \$ US 10,000. This is contingent upon EMA setting up the appropriate Memorandum of Understanding with Russia.

6.2 Formulation of consensus for non-ECORD applications for DLPs

It was discussed whether ESSAC could accept applications from non-ECORD country institutions. The general opinion was that ESSAC should consider this on a case-by-case basis, depending on availability of ESSAC funds and the agreement of the DLP speakers.

6.3 Formulation of consensus for non-ECORD applications for ECORD Scholarships

ESSAC CONSENSUS 1410-08: ESSAC agrees that in the future, the ECORD Scholarships to attend ECORD Summer Schools shall only be available to applicants from ECORD member countries.

6.4 Formulation of consensus for non-ECORD applications for ECORD Grants

ESSAC CONSENSUS 1410-09: ESSAC agrees that in the future, the ECORD Research Grants shall only be available to applicants from ECORD member countries.

7. Next meetings

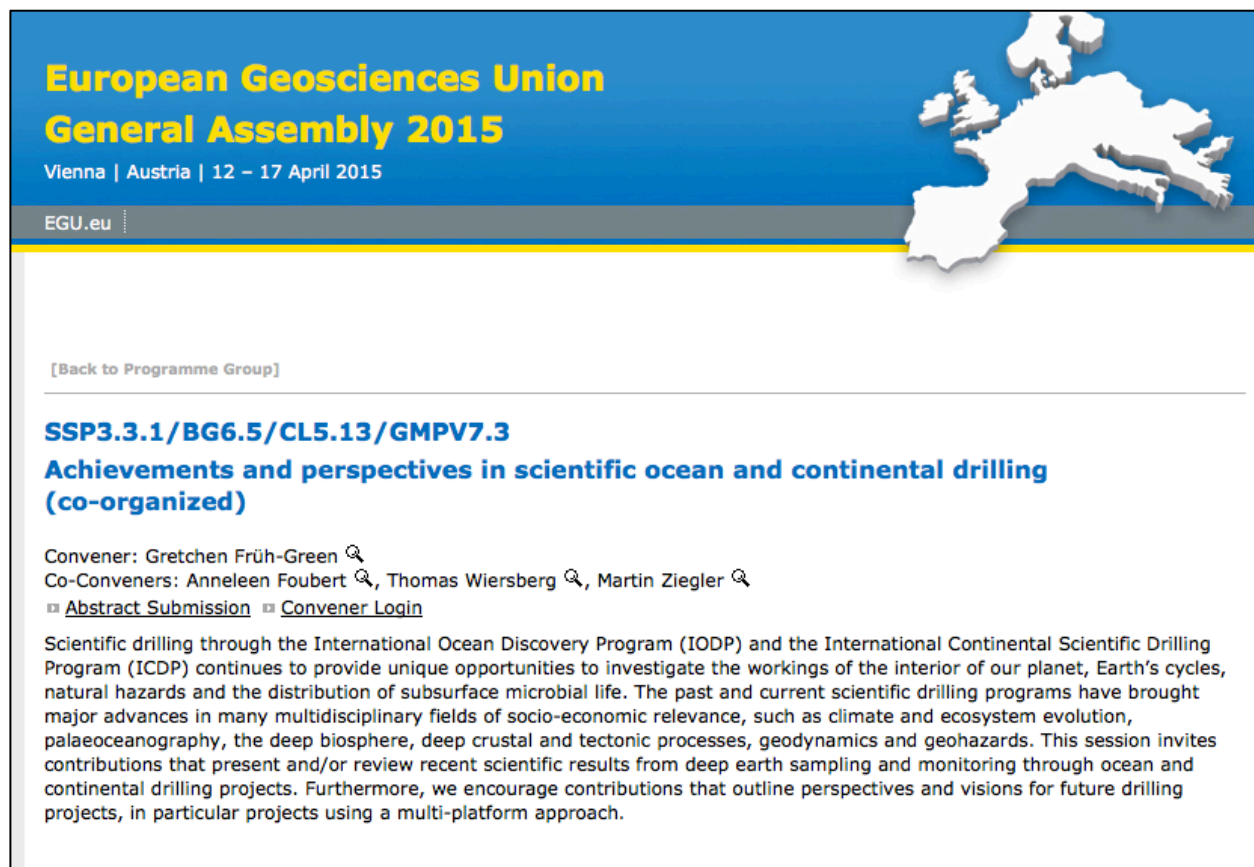
Both B. Wade and I. Snowball offered to host the next ESSAC meeting in UK and Sweden, respectively.

ESSAC Consensus Item 1410-10: ESSAC agrees to hold the May 2015 ESSAC meeting in Uppsala, Sweden. The proposed dates are the 18th and 19th of May 2015, for the meeting, and 20th of May, for an optional fieldtrip.

8. Any other business

G. Früh-Green asked if there was any other business.

G. Früh-Green announced the upcoming session “Achievements and perspectives in scientific ocean and continental drilling” in EGU 2015.



The screenshot shows the EGU 2015 website header with the text 'European Geosciences Union General Assembly 2015' and 'Vienna | Austria | 12 - 17 April 2015'. Below the header is a navigation bar with 'EGU.eu' and a map of Europe. The main content area features a link '[Back to Programme Group]' and the session title 'SSP3.3.1/BG6.5/CL5.13/GMPV7.3 Achievements and perspectives in scientific ocean and continental drilling (co-organized)'. The session is organized by Gretchen Früh-Green, Anneleen Foubert, Thomas Wiersberg, and Martin Ziegler. Links for 'Abstract Submission' and 'Convener Login' are provided. A detailed description of the session follows, discussing scientific drilling through IODP and ICDP programs.

In addition, G. Früh-Green informed about national meetings:

Swiss Geoscience Meeting "Drilling the Earth", Fribourg, 21-22 Nov 2014

- Special Session: IODP and ICDP drilling for scientific research: major achievements from past and current drilling initiatives. Conveners: Anneleen Foubert, Hendrik Vogel, Michael Strasser, Samuel Jaccard

2014 UK IODP Conference, Royal Geographical Society (Education Centre), 5 November 2014

1. Palaeoclimate
Tina van de Flierdt (Imperial)
Christian Maerz (Newcastle)
2. Earth Connections

- Tony Morris (Plymouth)
3. Earth in Motion
Lisa McNeil (NOC, Southampton)

9. List of Consensus and Actions Items

The consensus, motions and action items have been reviewed by email following the meeting.

The whole list of Consensus and Actions of the 3rd ESSAC meeting in Zurich is in [Annex 5](#).

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).

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



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>

Annex 2a (updated)

CURRENT STAFFING OF ECORD SCIENTISTS ON JR EXPEDITIONS 2014/2015

Expedition 349: South China Sea (CPP)

Co-chief Scientists: [Chun-Feng Li](#) & [Jian Lin](#)

Senior Scientists

BRIAIS, Anne (France) Physical Properties

Post-doctoral Researchers and Early Career Scientists

HERNÁNDEZ ALMEIDA, Iván (Switzerland) Paleontologist (radiolarians) **Special Call**

Masters and PhD Students

BAO, Rui (Switzerland, PhD) Organic Geochemist

Expedition 350: Izu Bonin Mariana: Rear Arc (30 March-30 May, 2014)

Co-chief Scientists: [Yoshihiko Tamura](#) (Japan) & [Cathy Busby](#) (USA)

Senior Scientists

VAUTRAVERS, Maryline (UK) Micropaleontology - Planktic Foraminifers **Special Call**

Post-doctoral Researchers and Early Career Scientists

BERGER, Julien (France) Igneous Rocks/Volcaniclastics
JUTZELER, Martin (UK) Sediments/Volcaniclastics
JOHN, Eleanor (UK) Micropaleontology - Planktic Foraminifers **Special Call**
MAHONEY, Sue (UK) Physical Properties
HAMELIN, Cedric (Norway) Igneous Rocks/Volcaniclastics
BARKER, Abigail (Sweden) Igneous Rocks/Volcaniclastics
BORDIGA, Manuela (Sweden) Micropaleontology – Nannofossils **Special Call**

Masters and PhD Students

JONAS, Ann-Sophie (Germany, MSc) Organic Geochemistry
SCHINDLBECK, Julie (Germany, PhD) Sediments/Volcaniclastics

Teachers at Sea

ALLEN, Lesley (UK)

Expedition 351: Izu Bonin Mariana: Arc Origins (30 May-30 July, 2014)

Co-chief Scientists: [Richard Arculus](#) (Australia) & [Osamu Ishizuka](#) (Japan)

Senior Scientists

MORRIS, Tony (UK) Paleomagnetist
SAVOV, Ivan (UK) Sedimentologist

Post-doctoral Researchers and Early Career Scientists

BRANDL, Philipp (Germany)	Igneous Petrologist
KENDER, Sev (UK)	Foraminifer Micropaleontologist
VAN DER LAND, Cees (UK)	Inorganic Geochemist
MAFFIONE, Marco (Netherlands)	Paleomagnetist
SENA, Clara (Portugal)	Inorganic Geochemist, Special Call

Masters and PhD Students

MCCARTHY, Anders (Switzerland, PhD)	Igneous Petrologist
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Teachers at Sea

FINGERLE, Markus (Germany)	WITHDRAWN
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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
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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

Masters and PhD Students

TAYLOR, Samuel (France, PhD)	Paleomagnetist
GIARIBOLDI, Karan (Italy, PhD)	Diatom Micropaleontologist Special Call

Teachers at Sea

FINGERLE, Markus (Germany)	
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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](#)

Staffing Complete – 355 invitations sent and all have accepted:

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](#)

Staffing Complete – 356 invitations sent and all have accepted:

Senior Scientists

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

Post-doctoral Researchers and Early Career Scientists

GROENEVELD, Jeroen (Germany, Post-doc)	Planktonic Foram Micropaleontologist	accepted
PETRICK, Benjamin (UK, Post-doc)	Sedimentologist	accepted
HIMMLER, Tobias (Germany, Post-doc)	Sedimentologist	accepted
DE VLEESCHOUWER, David (Germ, Post-doc)	Phys. Props/Downhole Meas.	accepted
BARANWALI, Soma (Norway, Post-doc)	Planktonic Foram Micropaleontologist	accepted

Masters and PhD Students

AUER, Gerald (Austria, PhD)	Sedimentologist	accepted
ANGUE MINTO'O, Charlie (France, Post-doc)	Benthic Foram Micropaleontologist	<i>declined</i>

Applications received for UPCOMING EXPEDITIONS IN 2015-2016
(Deadline was 1 Oct. 2014):

Expedition 359: Maldives Monsoon & Indian Peninsula Paleoclimate (APL)
30 September - 30 November 2015

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

19 valid applications: 1 Fr, 4 Ger, 6 UK, 1 Au, 1 CH, 3 NL, 2 Por, 1 Is

Senior Scientists: 1 Ger, 4 UK, 1 NL

Post-Docs & Early Career Scientists: 1 Fr, 1 Ger, 2 UK, 2 P, 1 NL, 1 Is

PhD Students: 2 Ger, 1 Au, 1 CH, 1 NL

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

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

18 valid applications: 4 Fr, 5 Ger, 6 UK, 1 Italy, 1 NL, 1 Pol

Senior Scientists: 1 Fr, 2 Ger, 1 UK, 1 Italy

Post-Docs & Early Career Scientists: 1 Fr, 1 Ger, 3 UK, 1 NL

PhD Students: 2 Fr, 2 Ger, 2 UK, 1 Pol

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

30 January 2016 - 31 March 2016

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

17 valid applications: 3 Fr, 6 Ger, 5 UK, 1 Can, 2 Por

Senior Scientists: 1 Ger, 2 UK

Post-Docs & Early Career Scientists: 3 Fr, 4 Ger, 3 UK, 2 Por

PhD Students: 1 Ger, 1 Can

Updated 14 Nov. 2014

Staffing Balance & Quotas – Joides Resolution Expeditions in 2014

				349 S China Sea CPP	350 IBM Rear Arc	351 IBM Arc Origins	352 IBM Forearc	Co- chiefs	Quotas / Actual stand FY 2014				
Total number of designated ECORD Berths				2	8	8	8		26				
Member	Financial Contribution (\$ US)	%	JR Berths per Exp assuming 8/Exp	Invited <i>Special Call</i>	Invited <i>Special Call</i>	Invited <i>Special Call</i>	Invited <i>Special Call</i>		Total Berths invited	Total Berths special calls	berths entitled, excl. Sp. calls	Difference	Total Sailed, incl. co- chiefs
France	5,017,000	26.87	2.15	1	1		2		4	0	6.98	-2.98	4
Germany	5,600,000	29.99	2.40		2	1	3		6	0	7.80	-1.80	7
UK	4,080,000	21.85	1.75		2	2	4	1	8	2	5.68	2.32	10
Sum	14,697,000	78.72	6.30	1	5	2	5	7	18	2	20.46	-2.46	21
Austria	100,000	0.54	0.04				1		0	1	0.14	-0.14	1
Belgium	31,000	0.13	0.01						0	0	0.03	-0.04	0
Canada	150,000	0.80	0.06						0	0	0.21	-0.21	0
Denmark	170,000	0.91	0.07						0	0	0.24	-0.24	0
Finland	80,000	0.43	0.03						0	0	0.11	-0.11	0
Iceland*	30,000	0.16	0.01						0	0	0.04	-0.04	0
Ireland	140,000	0.75	0.06						0	0	0.19	-0.19	0
Israel	30,000	0.16	0.01						0	0	0.04	-0.04	0
Italy	400,000	2.14	0.17						0	0	0.56	-0.56	0
Netherlands	500,000	2.68	0.21			1			1	0	0.70	0.30	1
Norway	1,100,000	5.89	0.47		1				1	0	1.53	-0.53	1
Portugal	90,000	0.48	0.04				1		0	1	0.13	-0.13	1
Poland	30,000	0.16	0.01						0	0	0.04	-0.04	0
Sweden	528,000	2.83	0.23		1	1			1	1	0.74	0.26	2
Switzerland	600,000	3.21	0.26	1	1		1		2	1	0.84	1.16	3
Sum	3,979,000	21.28	1.70	1	1	2	1	0	4	4	5.54	-0.54	9
TOTAL	18,676,000	100	8	2	1	7	3	7	7	6	26	-3.00	30

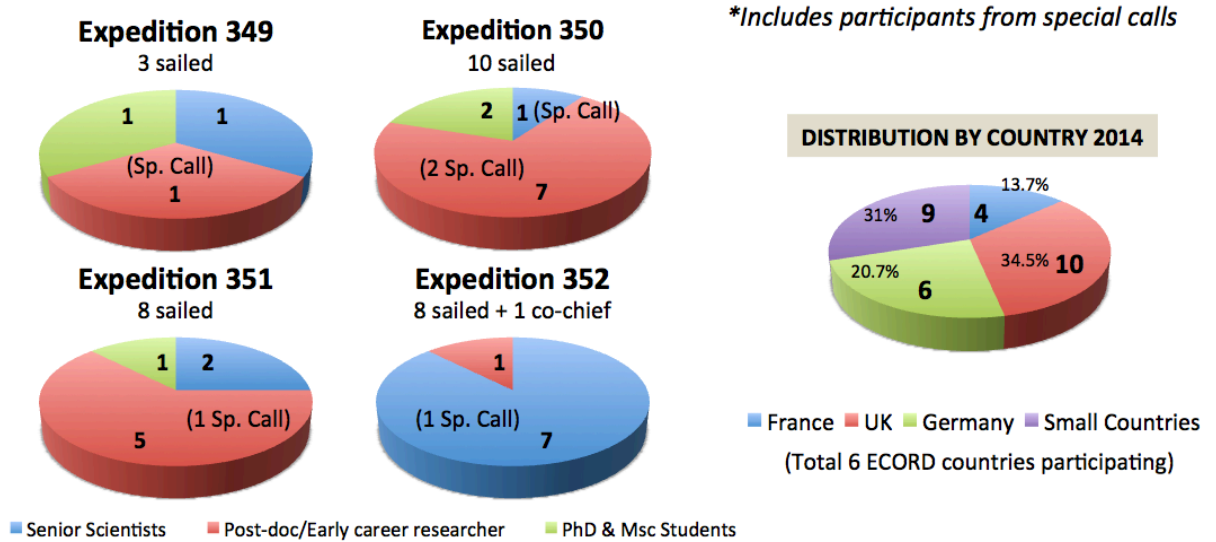
*ECORD member 2013-2014 only

Projected Balance & Quotas – Joides Resolution Expeditions for FY 2015

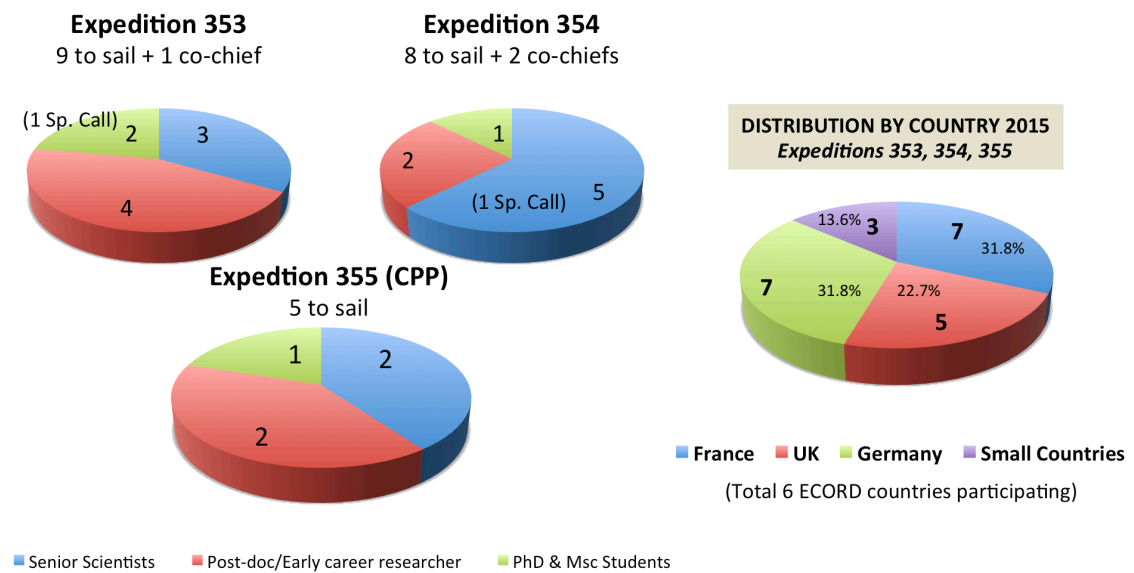
Expected Contributions FY 2015				Exp 353 Indian Monsoon Rainfall		Exp 354 Bengal Fan		Exp 355 Arabian Sea Monsoon CPP		Exp 356 Indonesian Flowthrough		Co-chiefs	Totals / Projected stand FY 2015 (Exps. 353 – 356)				Projected Quotas for 8 JR Expeditions in FY 2014 & 2015 (Exps. 349 - 356)					
Total number of designated ECORD Berths				8		8		5		10			31				57					
Member	Financial Contribution (\$ US)	%	JR Berths per Ex assum. 8/Exp	Invited		Special Call		Invited		Special Call		Co-chiefs	Total Berths invited	Total Berths special calls	berths entitled, excl. Sp. calls & Cc	Diff.	Total Sailed, incl. co-chiefs	Total Berths invited	Total Berths special calls	berths entitled, excl. Sp. Calls & Cc	Diff.	Total Sailed, incl. co-chiefs
France	5'017'000	26.92	2.15	3		2	1	1				1	6	1	8.34	-2.34	8	10	1	15.33	-5.33	12
Germany	5'600'000	30.04	2.40	2		3		2				2	12	0	9.31	2.69	14	18	0	17.11	0.89	20
UK	4'080'000	21.89	1.75	2		2		1					6	0	6.78	-0.78	6	14	2	12.46	1.54	17
Sum	14'697'000	78.85	6.31	7	0	7	1	4	0	6	0	3	24	1	24.40	-0.40	28	42	3	45	-2.90	49
Austria	100'000	0.54	0.04							1			1	0	0.17	0.83	1	1	1	0.31	0.69	2
Belgium	31'000	0.13	0.01										0	0	0.05	-0.05	0	0	0	0.09	-0.09	0
Canada	150'000	0.80	0.06										0	0	0.25	-0.25	0	0	0	0.46	-0.46	0
Denmark	170'000	0.91	0.07										0	0	0.28	-0.28	0	0	0	0.52	-0.52	0
Finland	80'000	0.43	0.03										0	0	0.13	-0.13	0	0	0	0.24	-0.24	0
Iceland*	No contrib.	0.00	0.00										0	0	0.00	0.00	0	0	0	0.04	-0.04	0
Ireland	140'000	0.75	0.06										0	0	0.23	-0.23	0	0	0	0.43	-0.43	0
Israel	30'000	0.16	0.01										0	0	0.05	-0.05	0	0	0	0.09	-0.09	0
Italy	400'000	2.15	0.17		1			1					1	1	0.67	0.33	2	1	1	1.22	-0.22	2
Netherlands	500'000	2.68	0.21							1			1	0	0.83	0.17	1	2	0	1.53	0.47	2
Norway	1'100'000	5.90	0.47							1			1	0	1.83	-0.83	1	2	0	3.36	-1.36	2
Portugal	90'000	0.48	0.04										0	0	0.15	-0.15	0	0	1	0.27	-0.27	1
Poland	30'000	0.16	0.01										0	0	0.05	-0.05	0	0	0	0.09	-0.09	0
Sweden	528'000	2.83	0.23	1						1			2	0	0.88	1.12	2	3	1	1.61	1.39	4
Switzerland	600'000	3.22	0.26										0	0	1.00	-1.00	0	2	1	1.83	0.17	3
Sum	3'949'000	21.15	1.69	1	1	0	0	1	0	4	0	0	6	1	6.57	-0.57	7	11	5	12.10	-1.10	16
TOTAL	18'646'000	100	8	8	1	7	1	5	0	10	0	3	30	2	30.96	-0.96	35	53	8	57.00	-4.00	65

Annex 2b (cont.)

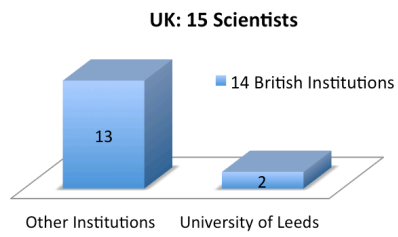
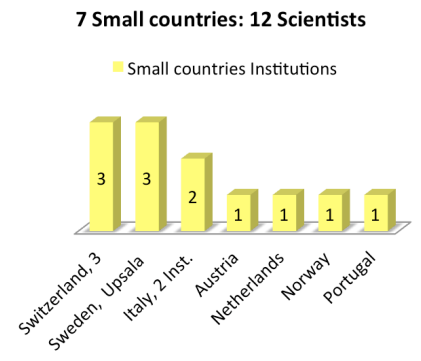
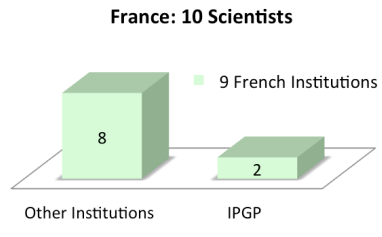
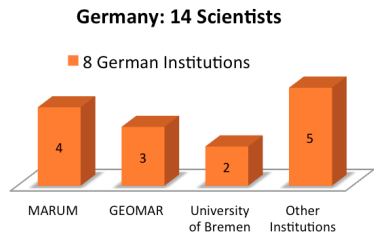
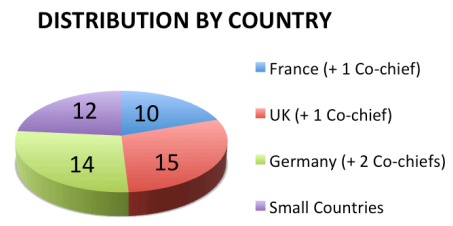
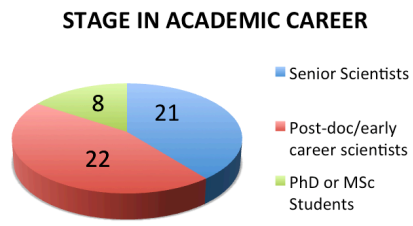
Staffing Distributions 2014 *JR* Expeditions 349 to 352*



Staffing Distributions 2014-2015 *JR* Expeditions 353, 354 & 355



Staffing Distributions in 2014 & 2015 by stage in academic career, country and institution: JR Expeditions 349 to 355*

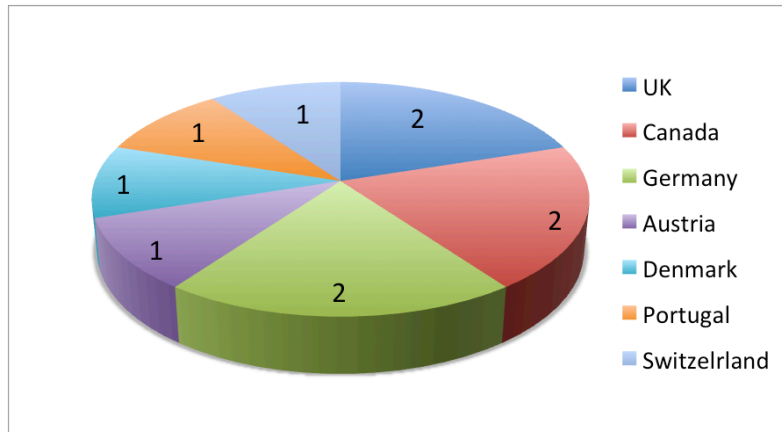


*Includes participants from special calls

Annex 3

GRANT Awardees 2014

Ten applicants, from seven ECORD member countries (2 UK, 2 Can, 2 Ger, 1 Aus 1 Port, 1 Den, 1 Switz)



ESSAC CONSENSUS 1405-04: ESSAC approves 5 awards (applications with high quality) of ECORD Research Grants 2014, totalling € 8585: 2 UK, 1 Austria, 1 Germany and 1 Portugal. This will leave a total of 6415 in the 2014 ESSAC Budget.

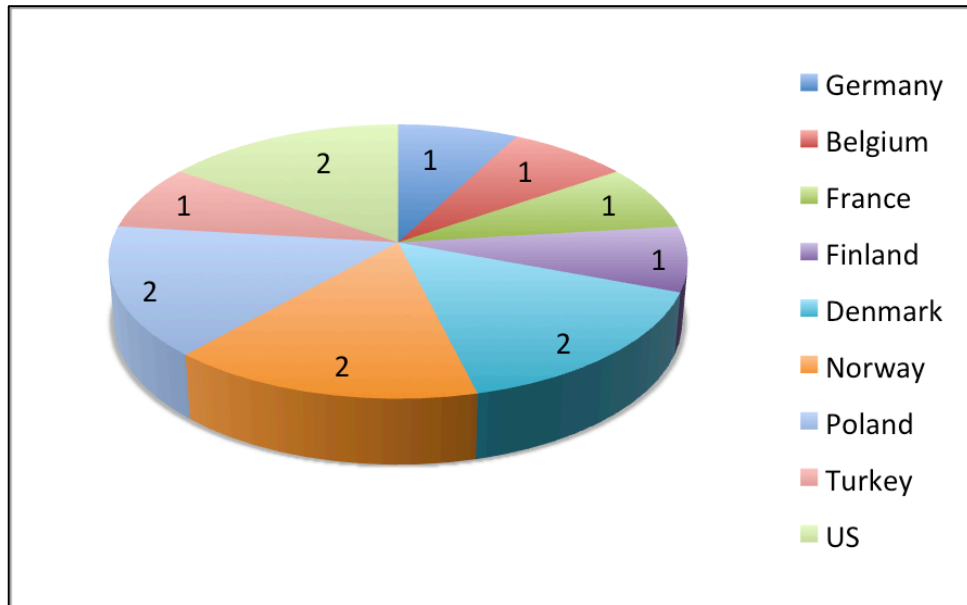
	Country	Institution	€
PHD STUDENTS			
Cameron, Adele	UK	Centre for Earth, Planetary, Space & Astronomical Research, Open University	1370
Fox, Lyndsey	UK	School of Earth and Environment, University of Leeds	2015
Garcia Gallardo, Angela	Austria	Karl-Franzens University of Graz	1200
POST-DOCTORAL RESEARCHERS			
Müller, Juliane	Germany	Alfred Wegener Institute (AWI)	2000
Sena, Clara	Portugal	CESAM, University of Aveiro	2000

SCHOLARSHIP Awardees 2014

Total applications: 70

BREMEN Summer School Awardees

Thirteen applications: Ten applications from seven ECORD member countries, three applications from two non-ECORD countries



Four Bremen Summer School Awardees (2 D, 1 Fi, 1 N)

ECORD Summer School: BREMEN 2014

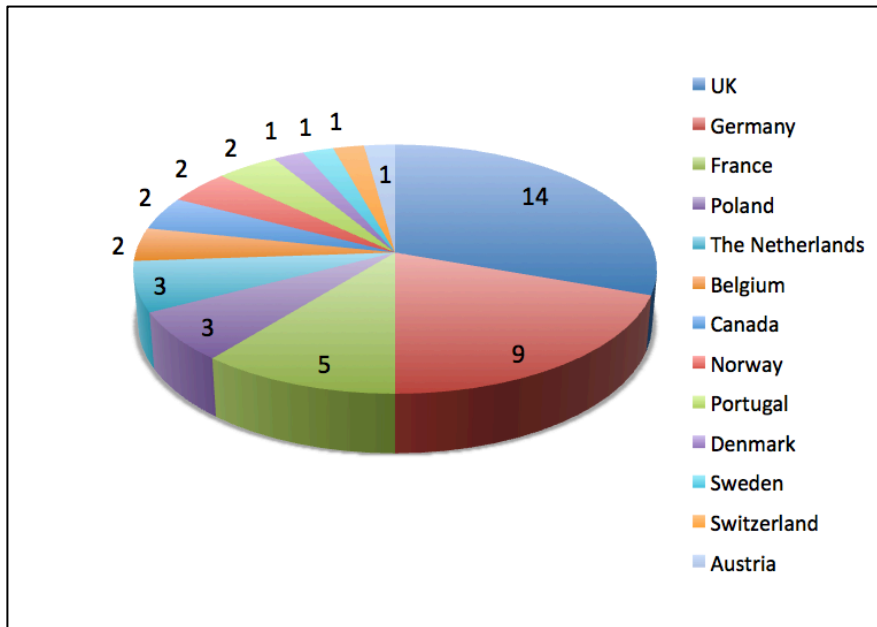
SCHOLARSHIPS: 400 Euros/Student

Name	Country	Institution
PHD STUDENTS		
Juassi, Marion	Denmark	Center for Geomicrobiology, Aarhus University
Rajala, Pauliina	Finland	VTT Technical Research Centre of Finland
Zhao, Rui	Norway	Centre for Geobiology, University of Bergen
POST-DOCTORAL RESEARCHERS		
Hilligsøe, Karen Marie	Denmark	Center for Geomicrobiology, Aarhus University

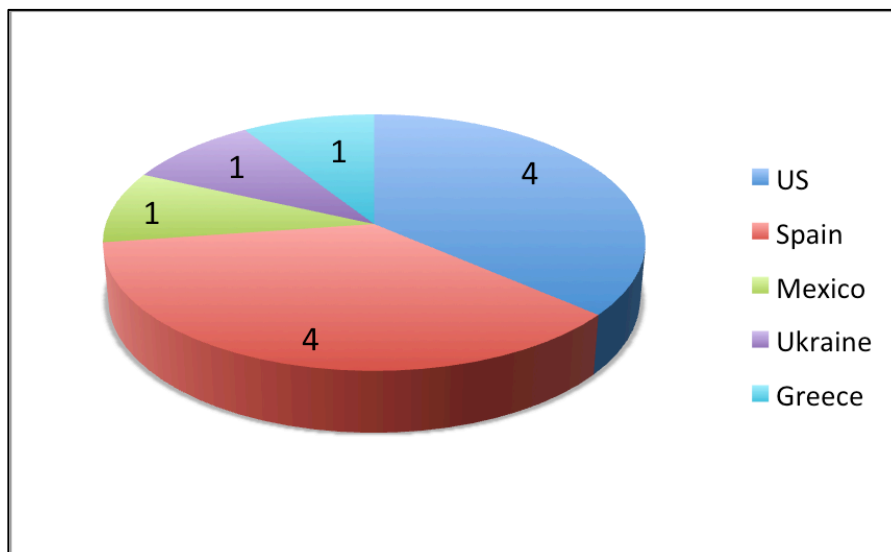
URBINO Summer School Awardees

Fifty-seven applications

Forty-six applications from thirteen ECORD Countries



Eleven applications from 5 non-ECORD Countries



Fourteen Urbino Summer School Awardees (6 UK, 2 Fr, 2 Germ, 1 Pol, 1 C, 1 Bel, 1 Port)

ECORD Summer School: URBINO 2014

SCHOLARSHIPS: 960 Euros/student

Name	Country	Institution
PHD STUDENTS		
Brombacher, Anieke	UK	National Oceanography Centre Southampton
Charidemou, Miros	UK	Cardiff University
Hulse, Dominik	UK	University of Bristol
Owen, Robert	UK	University of Oxford
Smith, Richard	UK	National Oceanography Centre, University of Southampton
Vickers, Madeleine	UK	Plymouth University, UK
Jonas, Ann Sophie	Germany	Institute of Geosciences, Christian-Albrechts-University Kiel
Wengler, Marc	Germany	Alfred-Wegener-Institute, Bremerhaven
Amberg, Chloé	France	Université Lille1, Lambersart
Yu, Zhaojie	France	University of Paris XI
Vansteenberge, Stef	Belgium	Vrije Universiteit Brussel/Free University of Brussels
Oliveira, Dulce	Portugal	CIIMAR - Interdisciplinary Centre of Marine and Environ. Research
Niezdgodzki, Igor	Poland	Polish Academy of Sciences, Krakow Research
MASTERS STUDENTS		
Bista, Diksha	Canada	Dalhousie University, Halifax

Annex 4 (updated)

ESSAC Budget for FY 2015; ETH Zurich	Budget FY15 (€)	Budget FY14 (€)	Evolution 2014-2015	Budget FY13 (€)	Notes
	Jan - Dec 15	Jan - Dec 14		Oct 12 - Sep 13	
Salaries					
Science coordinator	95.000	94.000	1,06%	48.000	1
Family allowance	6.015	5.900	1,95%		2
Chair, compensation	50.000	50.000	0,00%		
Total salaries/compensation	151.015	149.900	0,74%	48.000	
Travel and subsistence costs					
Science coordinator	6.000	6.000	0,00%	5.000	
Chair	10.000	11.000	-9,09%	11.000	
Office costs					
General office costs	6.000	11.000	-45,45%	14.000	
Meetings					
ESSAC May Meeting	2.000	2.000	0,00%	2.000	
ESSAC October Meeting	2.500	2.000	25,00%	2.000	
Travel support for invited Speakers to ESSAC meetings	3.000	4.000	-25,00%	3.000	3
Travel support for ESSAC Liaison to SEP meetings	5.000	6.000	-16,67%		
Conference travel support	3.000	5.000	-40,00%	3.000	4
Education & Outreach					
Support for ECORD Distinguished Lecturer Programme	18.000	18.000	0,00%	18.000	
ECORD Summer School support	20.000	20.000	0,00%	20.000	
ECORD Training Course	7.500		new item		
ECORD Summer School student support	15.000	15.000	0,00%	15.000	
ECORD Grants	15.000	15.000	0,00%	15.000	
Teachers at Sea, travel support	5.000		new item		
Workshop scientist support				5.000	
Overhead				17.000	
<i>Subtotal non-salary costs</i>	<i>118.000</i>	<i>115.000</i>	<i>2,61%</i>	<i>130.000</i>	
Total ECORD Contribution in Euro	269.015	264.900	1,55%	178.000	5
Total ECORD Contribution in US \$	355.100	361.996	-1,91%	178.000	6

Notes

- Salaries set by ETH Human Resources; assumes 100 % position = 114600 CHF, 1€ = 1.21 CHF. Includes all social costs, insurance and employer contributions (17.71%).
- Family allowance set by Swiss law: CHF 4409.00 1st child; CHF 2847.00 2nd child.
- Invited Speakers: Presentations of expedition results, proposed expeditions, workshop results, etc.
- Travel support for keynote and invited speakers at the ECORD-ICDP Special Session, EGU Vienna
- No overhead charged by the ETH.
- End \$ amount subject to exchange rate fluctuations. FY 15 based on 1€ = 1.32 US \$; FY 14 based on 1€ = 1.3665 US \$

Annex 5

LIST OF CONSENSUS, MOTIONS AND ACTIONS 3rd ESSAC MEETING Zurich, 7 October 2014, Switzerland

1. INTRODUCTION

ESSAC CONSENSUS 1410-01: ESSAC approves the agenda of the 3rd ESSAC meeting on 7 October 2014 in Zurich, Switzerland.

ESSAC CONSENSUS 1410-02: ESSAC approves the minutes of the 2nd ESSAC meeting on 26-28 May 2014 in Keflavick, Iceland.

2. ESSAC Activities and NEWS

> **ESSAC Action Item 1410-01:** The ESSAC office shall distribute information to the national alternates to participate in tasks of ranking and nomination for expeditions, advisory panels, scholarships, grants, etc. This will provide the ESSAC delegates a means of distributing their workload and will allow the alternates to be involved in ESSAC activities should they wish to do so.

3. NOMINATION AND STAFFING

ESSAC CONSENSUS 1410-03: When the *JOIDES Resolution* Science Operator (JRSO) send initial lists of planned invitations to participate on *JR* expeditions, the ESSAC Chair shall inform and discuss with the appropriate national delegates in cases of uncertainties or deviations from the initial priority lists set out, and agreed upon, by the N & S subcommittee.

> **ESSAC Action Item 1410-02:** ESSAC will not rank applications related to Special Calls. However, the ESSAC Office shall contact the relevant IODP national office and/or delegate in case of uncertainties with applications, prior to sending the applications to the *JOIDES Resolution* Science Operator (JRSO), or in case of uncertainties with invitations from the JRSO.

ESSAC CONSENSUS 1410-04: The ESSAC delegates shall select four new members for SEP, to replace members rotating off the science sub-group: A. Delacour (F), N. Sultan (F), M. Strasser (CH) and S. Robinson (UK, will rotate off in June 2015). ESSAC approves to consider other highly ranked SEP applications as alternates to be able to ensure that experts with the required expertise are available for future SEP meetings.

4. EDUCATION AND OUTREACH

ESSAC CONSENSUS 1410-05: ESSAC approves to provide € 7,500 from the ESSAC Budget for the ECORD Bremen Training Course 2015. The following items should be considered as guidelines by the training course organisers: 1) the course should be open to senior scientists, industry scientists (?), etc., and not only to early-career scientists; 2) the registration has to be open to ECORD and IODP member countries and to non-ECORD/IODP applicants and; 3) non-ECORD applicants shall pay a fee to participate in the Training Course. Non-ECORD applicants from an IODP member country should pay a different and lower fee than applicants from non-IODP member countries.

ESSAC CONSENSUS 1410-06: ESSAC approves to accept Russia as an “Accessing Member” for education activities as part of their offered contribution of \$ US 10,000. This is contingent upon EMA setting up the appropriate Memorandum of Understanding with Russia.

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.

ESSAC CONSENSUS 1410-08: ESSAC agrees that in the future, the ECORD Scholarships to attend ECORD Summer Schools shall only be available to applicants from ECORD member countries.

> **ESSAC Action Item 1410-03:** The ESSAC office shall remove the wording “ ... on exception to non-ECORD countries” in the next call to apply for ECORD Scholarships for Summer Schools.

ESSAC CONSENSUS 1410-09: ESSAC agrees that in the future, the ECORD Research Grants shall only be available to applicants from ECORD member countries.

> **ESSAC Action Item 1410-04:** The ESSAC E&O subcommittee shall initiate a discussion by email to establish a criteria to rank the ECORD Scholarships for Summer Schools and ECORD Research Grant applications and will present a clear proposal of selection with standardised guidelines before the next ranking period in 2015.

> **ESSAC Action Item 1410-05:** The ESSAC office shall issue the calls for ECORD Grants 2015, ECORD Summer Schools 2015 and a call to Host Summer Schools 2016 in January/February of 2015.

7. NEXT ESSAC MEETING

ESSAC Consensus Item 1410-10: ESSAC agrees to hold the May 2015 ESSAC meeting in Uppsala, Sweden. The proposed dates are the 18th and 19th of May 2015, for the meeting, and 20th of May, for an optional fieldtrip.