

**20<sup>th</sup> Meeting of the  
ECORD Science Support & Advisory Committee  
ESSAC**

June 3-5, 2013, Gdansk, Poland



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**ESSAC Meeting # 20**  
**June 3-5, 2013, Gdansk, Poland**

**AGENDA**

**Monday June 3<sup>rd</sup> 2013, 9:00 – 17:30h**

**1. Introduction**

- 1.1 Call to order, introductions (C. Escutia) (5')
- 1.2 Welcome and meeting logistics (S. Uscinowicz) (5')
- 1.3 Approval of the agenda and approval of the Perpignan ESSAC 19<sup>th</sup> meeting minutes (C. Escutia) (5')
- 1.4 Review of 19<sup>th</sup> ESSAC meeting actions & ESSAC Office News (J. Gutiérrez-Pastor) (15')

**2. IODP News**

- 2.1 JOIDES Resolution Facility Board (C. Escutia) (15')
- 2.2 PEP, SIPCOM and OTF Report (R. Stein) (45')

**3. ECORD News**

- 3.1 EMA and ECORD Council Report (P. Maruéjol) (20')
- 3.2 ECORD Facility Board (D. Weis) (15')
- 3.3 ECORD Vision Task Force (VTF) (C. Escutia) (10')
- 3.4 ECORD Industry Liaison Panel (R. Stein) (15')
- 3.5 ESO-EMA-ESSAC Outreach Task Force & ECORD publications (P. Maruéjol) (15')
- 3.6 Standard measurements and sample/data policies in the new IODP (U. Roehl) (15')
- 3.7 ESSAC representatives and National Office reports (ESSAC Delegates) (60')

**4. ECORD highlights**

- 4.1 Kai Uwe Hinrichs. Preliminary results from Expedition 337: Deep Coalbed Biosphere off Shimokita (60')

**5. Breakout sessions**

- 5.1 Introductions (C. Escutia) (5')
- 5.2 Breakout sessions ESSAC Nomination and Staffing / Education and Outreach / AD-HOC Working Group (50')

***Joint dinner of the ESSAC meeting***

**Tuesday June 4<sup>th</sup> 2013, 9:00 – 17:00h**

**6. ECORD highlights:**

- 6.1 DLP Lecturer Roger Urgeles: Submarine landslides and derived tsunamis, new challenges for the IODP (60')

**7. Nominations and Staffing**

- 7.1 Staffing (C. Escutia) (30')
  - 7.1.1 Ranking procedures, quotas and statistics
  - 7.1.2 Updates on expedition staffing and applications:



Asian Monsoon (346), Baltic Sea Paleoenvironment (347), NanTroSEIZE Plate Boundary Deep Riser (348), South China Sea (349), Izu Bonin Mariana (350, 351 & 352).

7.2 ESO (A. Stevenson) (20')

7.3 Updates on SAS panels (C. Escutia) (10')

7.4 N&S Subcommittee report, discussion and future actions (L. Lourens) (30')

## **8. Education and Outreach**

8.1 Summer Schools 2013 update

8.1.1 USSP: The Urbino Summer School in Paleoclimatology: Past Global Change Reconstruction and Modeling Techniques, 10-30 July 2013, (L. Lourens) (10')

8.1.2 ECORD Summer School on Deep-Sea sediments from stratigraphy to age models, MARUM, Bremen, 9-20 September 2013 (R. Stein) (10')

8.2 ECORD Scholarships 2013, and ECORD Research Grants 2013 (J. Gutiérrez-Pastor) (10')

8.3 ECORD Summer Schools 2014 (J. Gutiérrez-Pastor) (5')

8.4 Distinguished Lecturer Programme 2013-2014 (J. Gutiérrez-Pastor) (10')

8.5 E&O Subcommittee report, discussion and future actions (X. Monteys) (30')

## **9. Workshops, communication and vision**

9.1 Magellan Plus Programme updates and new ToR (J. Erbacher) (15')

9.2 Exploring the Cretaceous Greenhouse through Scientific Drilling, April, 15-17, 2013, London, UK (TBD) (15')

9.3 Deep-sea Record of Mediterranean Messinian Events (DREAM), May, 5-8, 2013, Brisighella (Ravenna), Italy (L. Lourens) (15')

9.4 Upcoming workshop ISOLAT (M. Seidenkrantz) (15')

9.5 Chikyu +10 workshop (R. Stein) (15')

9.6 EGU Session 2013 and beyond (C. Escutia) (10')

**10. Review of consensus, motions and actions** (C. Escutia) (15')

**11. Next ESSAC meeting** (C. Escutia) (5')

**12. Any Other Business** (C. Escutia)

## **Wednesday June 5, 2013**

08:00 – 19:00: Field Trip

***End of the Meeting***

## List of Participants

### ESSAC Office

**Carlota Escutia (Chair)**

ESSAC Delegate Spain

**Julia Gutiérrez-Pastor**

ESSAC Science Coordinator

### ESSAC Representatives

**Serge Berné**

ESSAC Delegate France

**Kikki F. Kleiven**

ESSAC Delegate Norway

**Lucas Lourens**

ESSAC Delegate Netherlands

**Kenneth Mertens**

ESSAC Alternate Belgium

**Xavier Monteys**

ESSAC Delegate Ireland

**Werner Piller**

ESSAC Delegate Austria

**Marit Solveig Seidenkrantz**

ESSAC Delegate Denmark

**Ian Snowball**

ESSAC Delegate Sweden

**Ruediger Stein**

ESSAC Delegate Germany

**Kari Strand**

ESSAC Delegate Finland

**Szymon Uscinowicz**

ESSAC Delegate Poland

**Antje Voelker**

ESSAC Delegate Portugal

**Bridget Wade**

ESSAC Delegate UK

**Dominique Weis**

ESSAC Delegate Canada

### Observers/Guests

**Milena Borissova**

EMA

**Enrico Brugnoli**

ESSAC Delegate Italy

**Jochen Erbacher**

ESSAC Alternate Germany

**Patricia Maruéjol**

EMA

**Piotr Przedziecki**

ESSAC Alternate Poland

**Andrzej Przybycin**

ECORD council Alternate Poland

**Ulla Roehl**

Curation and Laboratory Manager, MARUM

**Alan Stevenson**

ESO

### Apologies

**Bryndis Brandsdóttir**

ESSAC Delegate Iceland

**Gilbert Camoin**

EMA

**Gretchen Früh-Green**

ESSAC Delegate Switzerland

**Markus Kienast**

ESSAC Alternate Canada

**Cesar Ranero**

ESSAC Alternate Spain

**David Van Rooij**

ESSAC Delegate Belgium

**Nicolas Waldman**

Representative of Israel

## MEETING LOGISTICS

**ESSAC meeting: June 3-4**

**JOINT ESSAC & ECORD Council Field Trip: 5 June**

**ECORD COUNCIL meeting: June 6-7**

### Venue:

Meetings will take place at **OŁOWIANKA Open Sea Diving & Fishing Club**,  
st. Ołowianka 3a, 80-751 Gdansk, Poland

### Accommodation details

#### **HOTEL WOLNE MIASTO \*\*\* [www.hotelwm.pl](http://www.hotelwm.pl)**

st. Św. Ducha 2, 80-834 Gdańsk, Poland    tel. +48 58 3052255, fax: +48 58 3222444

Single room: 330 PLN/per night

Double room: 360 PLN/per night

Breakfast included. 15 rooms are reserved in this hotel.

For reservation please send e-mail to [rezerwacja@hotelwm.pl](mailto:rezerwacja@hotelwm.pl)

#### **HOTEL DOM SCHUMANNÓW \*\* [www.domschumannow.pl](http://www.domschumannow.pl)**

st. Długa 45, 80-827 Gdańsk, Poland,    tel. 48 58 3015272

Single room: 280 PLN/per night

Breakfast included. 8 rooms are reserved in this hotel.

For reservation please send e-mail to [info@domschumannow.pl](mailto:info@domschumannow.pl)

#### **HOTEL KAMIENICA GOTYK [www.gotykhouse.eu](http://www.gotykhouse.eu)**

st. Mariacka 1, 80-830 Gdańsk, Poland,    tel. 48 58 3018567

Single room: 280 PLN/per night

Breakfast included. 7 rooms are reserved in this hotel.

For reservation please send e-mail to [reservation@gotykhouse.eu](mailto:reservation@gotykhouse.eu)

#### **OŁOWIANKA Bed&Brekfast \*\*\* [www.olowianka.eu](http://www.olowianka.eu)**

st. Ołowianka 3a, 80-751 Gdansk, Poland,    tel. 48 58 5542909

Single room: 240 PLN/per night

Breakfast included. 5 rooms are reserved in this hotel.

For reservation please send e-mail to [rezerwacja@olowianka.eu](mailto:rezerwacja@olowianka.eu)

#### **HOTEL ARTUS \*\*\* [www.artushotel.com.pl](http://www.artushotel.com.pl)**

**(available only 2-6 June)**

st. Piwna 36/39, 80-831 Gdańsk, Poland,    tel. +48 58 3209600,    fax. +48 58 3209603

Single room: 270 PLN/per night

Double room: 300 PLN/per night

Breakfast included. There are 8 rooms reserved in this hotel.

For reservation please send e-mail to [repcja@artushotel.com.pl](mailto:repcja@artushotel.com.pl)

All hotels are located in the old town in walking distance (1.8-1.2 km) from meeting venue.

### Old Town



*Exchange rates: 1 EURO  $\approx$  4.10 PLN, 1 USD  $\approx$  3.10 PLN, 1 GBP  $\approx$  4.70 PLN (14.03.2013)*

### Transport

Information about the airport and local transport: [www.airport.gdansk.pl](http://www.airport.gdansk.pl) Gdansk Airport is located some 15 km from the city centre.

Estimated cost of a taxi to the city centre is ca. 60 PLN (day fare) and ca. 90 PLN (night and holiday fare)

Public bus No. 210 to the city centre every 20-25 min. costs 3.0 PLN.

### Field Trip, June 5<sup>th</sup> 2013

The field trip is planned to be at the Slowinski National Park, about 120 km from Gdansk. This is a beautiful area of sandy barriers with wandering dunes, pine forest and swamps between a lagoon and the Baltic Sea (UNESCO list of World Network of Biosphere Reserves). The trip will consist of 3.5 or 2 km long walk (depends of weather) across moving dunes. Such a field trip with lunch will need a fee c. 30Euros/person.

# Climate data for June in Gdansk

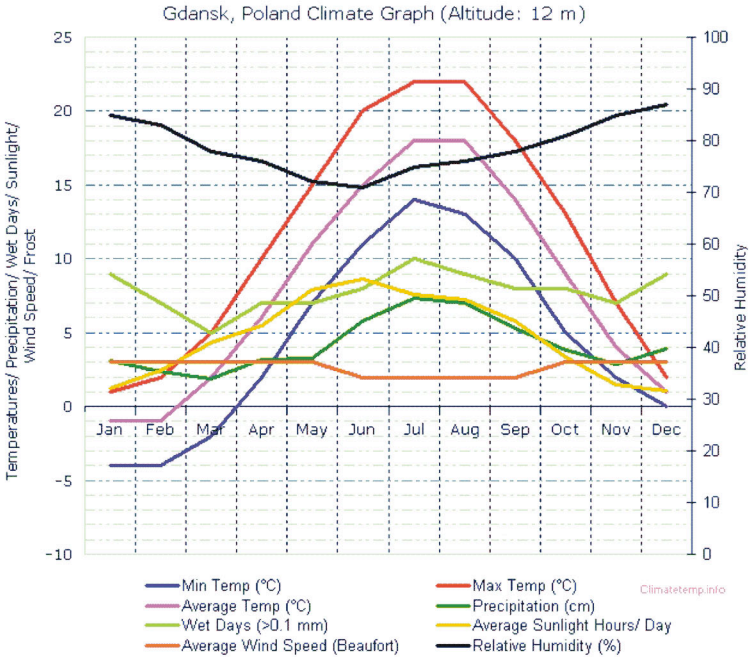
temperature:  
average high 18.8°C  
average low 12.0°C  
daily mean 15.4°C

precipitation: 59 mm

avg. precipitation days: 15

humidity: 76%

mean monthly sunshine  
hours: 255



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## LIST OF ACRONYMS

ACEX	Arctic Coring Expedition (Expedition 302)
APLACON	Alternative <b>Platform Conference</b> (Lisbon, May 2001)
AF	Academy of Finland
BCR	Bremen Core Repository
BGS	British Geological Survey (UK)
BoG	IODP-MI <b>Board of Governors</b>
CDC	Conceptual <b>Design Committee</b> (new riser vessel)
CDEX	Center for <b>Deep Earth EX</b> ploration (Japan)
CoNISMa	<b>Consorzio Nazionale Interuniversitario per le Scienze del Mare</b> (Italy)
CDP	Complex <b>Drilling Project</b>
CNR	Consiglio Nazionale delle <b>Ricerche</b> (Italy)
CNRS	Centre National de la <b>Recherche Scientifique</b> (France)
DASTI	<b>Danish Agency for Science, Technology and Innovation</b>
DFG	<b>Deutsche ForschungsGemeinschaft</b> (German Research Foundation)
DSDP	Deep Sea <b>Drilling Project</b>
ECORD FB	Ecord Facility Board
EC	European Commission
ECORD	European Consortium for <b>Ocean Research Drilling</b>
EDP	Engineering <b>Development Panel</b>
EPC	European <b>Petrophysics Consortium</b>
EMA	ECORD <b>Managing Agency</b>
ERA-Net	European <b>Research Area Network</b>
ESF	European <b>Science Foundation</b>
EPSP	Environmental <b>Protection &amp; Safety Panel</b>
ESO	ECORD <b>Science Operator</b>
ESSAC	ECORD <b>Science Support and Advisory Committee</b>
FWO-Vlaanderen	Fund for Scientific Research-Flanders (Belgium)
FWF	Austrian <b>Science Fund</b>
GRICES	<b>Gabineta de Relacoes Internacionais da Ciencias e do Ensino Superior</b> (Portugal)
GSI	The Geological <b>Survey of Ireland</b>
ICDP	International Continental Scientific <b>Drilling Project</b>
IIS-PPG	Industry IODP <b>Science Program Planning Group</b>
ILP	Industry <b>Liaison Panel</b> (ECORD)
INGV	Istituto Nazionale di Geofisica e <b>Vulcanologia</b> (Italy)
INSU	Institut National des <b>Sciences de l'Univers</b> (France)
IOs	Implementing <b>Organisations</b>
IODP	Integrated <b>Ocean Drilling Program</b>
IODP-MI	IODP <b>Management International, Inc.</b>
ISP	Initial <b>Science Plan</b> for the IODP
JAMSTEC	<b>Japan Marine Science &amp; TEchnology Center</b>
J-DESC	<b>Japanese Earth Drilling Science Consortium</b>
JEODI	Joint European <b>Ocean Drilling Initiative</b>
JOI	Joint <b>Oceanographic Institutions</b>
JR	JOIDES <b>Resolution</b>
JR FB	JOIES <b>Resolution facility Boards</b>
LDEO	Lamont <b>Doherty Earth Observatory</b>

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<b>MICINN</b>	Ministerio de Ciencia e Innovación
<b>MEXT</b>	Ministry of Education, Culture, Sports, Science & Technology (Japan)
<b>MoU</b>	Memorandum of Understanding
<b>MOST</b>	People's Republic of China Ministry Of Science and Technology
<b>MSP</b>	Mission-specific platform
<b>NanTroSEIZE</b>	Nankai Trough SEIsmogenic Zone Experiment
<b>NCMR</b>	National Center for Marine Research (Greece)
<b>NERC</b>	Natural Environment Research Council (UK)
<b>NSF</b>	National Science Foundation (USA)
<b>NWO</b>	Netherlands Organisation for Scientific Research
<b>OD21</b>	Ocean Drilling in the 21st Century (Japan)
<b>ODP</b>	Ocean Drilling Program
<b>OEAW</b>	Austrian Academy of Sciences
<b>OGS</b>	Istituto Nazionale di Oceanograpfia di Geofisica Sperimentale (Italy)
<b>OTF</b>	Operations Task Force
<b>PEP</b>	Proposal Evaluation Panel
<b>RANNIS</b>	The Icelandic Centre for Research
<b>SAS</b>	Science Advisory Structure
<b>SASEC</b>	Science Advisory Structure Executive Committee
<b>SciMP</b>	Scientific Measurements Panel
<b>SCP</b>	Site Characterization Panel
<b>SIPCOM</b>	Science Implementation and Policy Committee
<b>SNF</b>	Swiss National Science Foundation
<b>SODV</b>	Scientific Ocean Drilling Vessel
<b>TAMU</b>	Texas A & M University
<b>ToR</b>	Terms of Reference
<b>USSAC</b>	United States Science Advisory Committee
<b>USSSP</b>	United States Science Support Program
<b>UVic</b>	University of Victoria (Canada)
<b>VR</b>	Swedish Research Council

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## ESSAC subcommittee procedures

ESSAC has been structured in three subcommittees (Staffing and Nominations, Education and Outreach, and ad-hoc working group) to increase the efficiency of ESSAC and the involvement of the ESSAC Delegates in ESSAC life. Subcommittee general tasks and composition are summarized below.

The subcommittees meet electronically to prepare the meetings on general issues and to work on specific issues at the request of the ESSAC Chair. Each subcommittee is coordinated by an ESSAC Delegate, nominated by the ESSAC Chair. The coordinator is in charge of writing a report for the Agenda book and of presenting the activities of the subcommittee at the meetings. A general discussion follows that presentation.

### Staffing and Nominations subcommittee

Members: Lucas Lourens (Coordinator, NL), Carlota Escutia (ESSAC Chair, ES), Julia Gutiérrez-Pastor (ESSAC Science Coordinator, ES), Dominique Weis (CDN), Serge Berné (F), Bridget Wade (UK), Gretchen Früh-Green (CH), Ruediger Stein (D), Kari Strand (FIN), Antje Voelker (P).

#### General tasks:

- Suggesting nominations of ECORD representatives (delegates and alternates) on SAS panels, PPGs and DPGs.
- Co-ordinating applications, reviewing all the applications and suggesting nominations of shipboard participants.
- Reviewing the quota of shipboard scientists between participating countries.
- Suggesting co-chief nominations for IODP Expeditions.

#### Immediate actions:

- Summarize the current ECORD composition of SAS panels, identify future replacements (expertise), and suggest permanent alternates.
- Summarize the current ESSAC composition, identify future replacements (Delegates and alternates), and make recommendations.
- Summarize the quota balance for ECORD participation to IODP Expeditions.

### Education and Outreach subcommittee

Members: Xavier Monteys (Coordinator, IRE), Carlota Escutia (ESSAC Chair, ES), Julia Gutiérrez-Pastor (ESSAC Science Coordinator, ES), Bryndis Brandsdottir (ICE), Enrico Brugnoli (I), Helga F. Kleiven (N), Werner Piller (A), Marit-Solveig Seidenkrantz (DK), Ian Snowball (S), David Vaan Rooij (B), Szymon Uscinowicz (POL).

#### General tasks:

- Developing educational opportunities/programs: Teacher's workshops, Summer Schools etc., especially in non-traditional audiences.
- Reviewing Summer School proposals.



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- Reviewing applications and suggesting nominations for ECORD scholarships.
  - Initiating applications of speakers for the Distinguished Lecturer Series and suggesting nominations.
  - Providing new ideas regarding new ways to raise funds for E&O activities.
  - Advising on the public outreach (societal relevance of the IODP science).

Immediate actions:

- Make recommendations for deadlines for submission of Summer School proposals and for applications for ECORD scholarships.
- Make suggestions of new ideas regarding E&O activities (societal relevance of the IODP science), especially in non-traditional audiences.
- Make suggestions regarding new ways to raise funds for E&O activities.
- Monitoring ECORD database (e.g. ECORD publications).

AD-HOC Working Group on relevant themes

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## 1. Introduction

### Letter from the Chair

Dear ESSAC Delegates, ESSAC alternates, and attendees of the 20th ESSAC Meeting,

The International Ocean Discovery Program “Exploring the Earth under the Sea” will start in October 2013 and many ongoing activities within ESSAC include transitioning into the new program framework. Whether you are new to the program or a senior ocean drilling scientist, this is an exciting time for IODP. As we look forward to the year ahead, expeditions will take place on all three platforms. ESSAC has issued calls for the *JOIDES Resolution* Expedition 349 (South China Sea), and the three Izu Bonin Mariana (IBM) Expeditions 350, 351 and 352 (IBM-rear arc, IBM arc origins, and IBM forearc, respectively), expected to investigate the genesis of continental crust in the Izu-Bonin-Mariana convergent margin. In addition, ESSAC has issued a call for Chikyu Expedition 348 (NanTroSEIZE Plate Boundary Deep Riser – 3). All ESSAC Delegates have been involved in the process of selecting the scientists that have applied to Expeditions 349 and 348, and after the ESSAC meeting we will start the process for the IBM expeditions. Many thanks for your continuing timely work! Staffing of ECORD scientists is completed for the **MSP** Expedition 347 (Baltic Sea Paleoenvironment), with two ECORD co-chief scientists, T. Andr  n and B. Barker J  rgensen; and for the **JOIDES Resolution**: Expedition 346 (Asian Monsoon).

At the heart of the **Science Advisory Structure (SAS)**, is the Proposal Evaluation Panel (PEP), which in the new program will conduct business in much the same way it does now. A Site Characterization Panel (SCP) and Environmental Protection and Safety Panel (EPSP) will provide critical support to the PEP review process. ESSAC issued a call for nominations for ECORD members in the PEP to replace Maryline Moulin from Portugal and after review of applications and nominations by ESSAC, the ECORD Council approved Matt O'Regan from Sweden to be the new ECORD member of PEP.

The second phase of the ECORD **Distinguished Lecturer Programme (DLP)** is now running with three ECORD Distinguished Lecturers who will present the existing ocean drilling discoveries on three main scientific themes of the IODP Science Plan (2013-2023): C. Hillaire-Marcel, Univ. du Qu  bec, Montreal, Canada “The Arctic Ocean in the Cenozoic climate system”; B. Ildefonse, Universit   Montpellier, France “Mantle, ocean crust and seawater, what's next in scientific ocean drilling?”; and R. Urgeles, Institut de Ci  ncies del Mar, Barcelona, Spain “Submarine landslides and derived tsunamis, new challenges for the IODP”. This phase of DLP will be active until June 2014.

Within the ECORD educational programs ESSAC has completed the process of granting ECORD scholarships to participate in the two **ECORD summer schools** in 2013: 1) the Urbino Summer School in Paleoclimatology and ECORD: Past Global Change Reconstruction and Modeling Techniques that will take place at the University of Urbino in Italy, July 10 – 30 ([www.uniurb.it/ussp](http://www.uniurb.it/ussp)), and 2) ECORD Summer School on Deep –Sea Sediments: From Stratigraphy to Age Models at the University of Bremen, Germany, 9-20 September, 2013. ([http://www.marum.de/en/ECORD\\_Summer\\_Schools.html](http://www.marum.de/en/ECORD_Summer_Schools.html)).

The call for applications for **ECORD Research Grants** closed on 15 April 2013, and all ESSAC Delegates are now involved in the review of these applications that will be discussed during the ESSAC meeting.

Other ESSAC educational/training activities include the selection of two ECORD: 1) scientists to participate in the Sedimentology Course of the U.S. Science Support Program that aimed to improve skills for integrating sedimentology data with physical properties, biostratigraphy and geochemist data; and 2) teachers, Susan Gebbels and Luc Berenguer, to participate in the Teacher at Sea Program, an initiative of the Consortium for Ocean Leadership. This Program provides teachers with an opportunity to participate in seagoing research experiences aboard the *JOIDES Resolution*, and translating scientific results into useful teaching resources.

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Two ECORD/ICDP MagellanPlus Workshop Series Programme workshops have taken place during the spring of 2013: 1) Exploring the Cretaceous Greenhouse through Scientific Drilling, April, 15-17, 2013, London, UK; and 2) Deep-sea Record of Mediterranean Messinian Events (DREAM), May, 5-8, 2013, Brisighella (Ravenna), Italy. In addition, ECORD scientists are involved in the JAMSTEC and IODP-MI Chikyu + 10 planning workshop (21-23 March 2013, Tokyo, Japan) to engage the international community in discussions about future expeditions and long-range operations.

Many EGU (Vienna) activities took place this year 2013: The IODP-ICDP booth, Town Hall meeting and the IODP-ICDP Session “ Major achievements and perspectives in scientific ocean and continental drilling. Thanks to close collaboration between EMA, ESO, National Offices, ESSAC and the IODP-ECORD community, the outreach activities were success during EGU.

To be at the forefront of communication and technology, ESSAC/ECORD has joined to Facebook being first probed at EGU.

ESSAC has been involved in numerous activities regarding the new structure of the International Ocean Discovery Program (IODP). Among them, ESSAC has been involved in the selection of the five leading members of the international scientific community that form the core of the **ECORD Facility Board (EFB)**, with an accomplished ECORD scientist serving as chair (<http://www.ecord.org/ecord-fb.html>). The *ECORD* Facility Board will oversee the operations of the *MSP*, including scheduling expeditions, approving program long-term plans, monitoring the advisory panels to ensure efficient and effective review of drilling proposals and developing and monitoring policies for data collection, publications and core curation. ESSAC was also charged with defining its **Terms of Reference (ToR)** for the new program and electing the next ESSAC chair through an open call. After review and nomination of applicants by ESSAC, the ECORD Council approved Gretchen Gretchen Frueh-Green as the new ESSAC Chair. Best wishes and good luck to Gretchen who will take over as the new ESSAC Chair running the office at the end of this fiscal year.

As we reflec to on what we have accomplished durin these past two years, I am confident that ESSAC has extended its activities and is now, in addition to its supporting mandate, positioned to play a true science advisory role to better serve the ECORD community. All this work could not have been achieved without the hard work of Julia Gutierrez-Pastor, the ESSAC Science Coordinator, the ESSAC Delegates, and the strong support from Gilbert Camoin (EMA) and the ECORD Council members. Thus, Julia as Science Coordinator and myself would like to take this opportunity to thank all the ESSAC Delegates, EMA, ESO, the ECORD Council and the other IODP bodies for active cooperation during the last 18 months.

I warmly thank Szymon Uscinowicz for hosting the 20th ESSAC Meeting in Gdansk, Poland, and for his efforts for the outstanding arrangements made for this meeting.

I wish you a successful and pleasant meeting.

Carlota Escutia  
Granada, 26 May 2013

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## 1.1 Call to order, introductions

## 1.2 Welcome and Meeting Logistics

S. Uscinowicz will provide information about the meeting logistics.

## 1.3 Approval of the agenda and approval of the Perpignan ESSAC 19<sup>th</sup> meeting minutes

At the meeting in Gdansk, Poland, C. Escutia will summarize the current agenda and remark potential goals of the meeting and/or changes of the agenda.

## 1.4 Items since the 19<sup>th</sup> ESSAC Meeting and ESSAC Office news

J. Gutierrez-Pastor will present items since the last ESSAC meeting. The list down-below contains the actions items, which arose at the 19th ESSAC meeting in Dublin. Action items that have been accomplished by the ESSAC Office since then are labelled as “Done”. Action items not fulfilled yet, are labelled “in progress”. The complete list of consensus, motions and actions from the 19<sup>th</sup> meeting are listed in *Annex 1*.

> **ESSAC Action Item 1210-01:** ESSAC will circulate among Delegates the 2 European infrastructure proposals submitted by EMA and the DS3F. **Done**

> **ESSAC Action Item 1210-03:** ESSAC Office to separate in ranking spreadsheets senior from “early career” scientists. **Done**

> **ESSAC Action Item 1210-04:** ESSAC Office to issue a call for small countries membership on the PEP. The call will target all countries excluding Switzerland and Canada. **Done**

> **ESSAC Action Item 1210-05:** ESSAC Office to circulate among Delegates the drafts of the ECORD MoU, which includes the ToR for the other ECORD bodies. **Done**

> **ESSAC Action Item 1210-06:** ESSAC Office to circulate among Delegates a draft of the ESSAC ToR discussed in their 24-26 October meeting for final consideration in the context of the ToRs from other ECORD bodies. After an email revision and approval the ESSAC ToR will be forwarded to EMA. **Done**

> **ESSAC Action Item 1210-07:** ESSAC Office to issue a call for ECORD Scholarships to participate in the ECORD Summer Schools FY13. **Done**

> **ESSAC Action Item 1210-08:** ESSAC Office to issue a call for ECORD Summer Schools in FY14. **Done**

> **ESSAC Action Item 1210-09:** ESSAC Office to contact the Urbino Summer School to ask when possible to include teachers from other ECORD countries. **Done**

> **ESSAC Action Item 1210-10:** ESSAC Office to issue a call for ECORD Grants FY13. **Done**

> **ESSAC Action Item 1210-11:** The ESSAC Office will contact Roger Urgeles, Olivier Rouxel, Anne Le Friant and Michele Rebesco, as DLPs. If no DLPs are identified, then ESSAC Office will invite José Abel Flores to be the DLP. **Done**

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> **ESSAC Action Item 1210-12:** ESSAC Office to issue a call for institutions to host the DLP in FY13. *Done*

## **2. IODP News**

### **2.1 JOIDES Resolution Facility Board**

C. Escutia will give a summary of the JRFB.

### **2.2 PEP, SIPCOM and OTF Report**

R. Stein will present a summary of the PEP (Kyoto 11-12 December 2012), SIPCOM (Washington DC 22-23 January 2013) and OTF meetings (minutes from these meetings provided by R. Stein are provided as separate attachments to this Agenda Book).

## **3. ECORD News**

### **3.1 EMA and ECORD Council Report**

P. Maruejol will give a summary about the latest news regarding EMA and ECORD Council activities.

### **3.2 ECORD Facility Board**

D. Weis will report about the news of the ECORD Facility Board.

### **3.3 ECORD Vision Task Force (VTF)**

C. Escutia will report on the VTF activity and news.

### **3.4 ECORD Industry Liaison Panel**

R. Stein will provide an update on the ECORD Industry Liaison Panel.

### **3.5 ESO-EMA-ESSAC Outreach Task Force & ECORD publications**

P. Maruéjol will report on the outreach activities and news of the ECORD Outreach and Education Task Force (<http://www.ecord.org/about/structure.html>)

The last meeting of the Task Force was held in Salamanca (Spain) February 18-19, 2013, and attended by A. Stevenson and A. Gerdes (ESO), C. Escutia (ESSAC), M. Borissova and P. Maruéjol (EMA).

#### **Outreach activities/publications carried out from November 2012 to June 2013:**

- **ECORD-IODP-ICDP activities at EGU 2013**, Vienna, April 7-12, 2013: joint ECORD-IODP-ICDP booth with logging demonstrations, and townhall meeting with highlights on IODP expeditions and ICDP projects <http://www.ecord.org/pi/booths.html>.
- Contribution to the IODP-USIO booth at AGU 2012
- **ECORD Publications:**
  - **ECORD Annual Report 2012**, a 40-page document released early April 2013 - [http://www.ecord.org/pub/ECORD\\_Annual-report\\_2012.pdf](http://www.ecord.org/pub/ECORD_Annual-report_2012.pdf)
  - **ECORD Newsletter #20 - April 2013** - a 24-page issue including ECORD news and updates from November 2012 to mid March 2013, reports of ECORD teachers at sea

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(IODP Expedition 345), ECORD research grant (C. Zeeden), MagellanPlus workshops and ECORD Distinguished Lecturer 2010-2012 (K.U. Hinrichs), highlights of IODP Proposal 758 (G. Früh-Green), letters from Denmark and Sweden and news from by ECORD members.

- Updates of the **ECORD folder and flyers** (ECORD, ESSAC, EPC).
- **ECORD website:**
  - ECORD homepage: new entries (ECORD-FB)
  - Updates of 'About ECORD' and related pages  
<http://www.ecord.org/about/aboutecord.html>
  - ECORD Facility Board: <http://www.ecord.org/ecord-fb.html>
  - Reports: Council and E-FB minutes <http://www.ecord.org/rep/reports.html>
  - ECORD photo gallery: <http://photo.ecord.org>
- **ECORD materials/information:**
  - ECORD publications and materials distributed at AGU 2012 (IODP booth), JR ship tours at portcall in Victoria, Canada (May 9-10, 2013), JPGU 2013 (Tokyo), WPSM (Taiwan) and DREAM MagellanPlus Workshop (Brisighella, Italy).
  - Core replicas were sent to L. Lourens (U. Utrecht) on March 2013 and J. A. Flores (U. Salamanca) and S. Galeotti (ECORD Urbino Summer School) for events that will take place on July 2013.
  - Video 'Looking for Life' on Expedition 337 by L. Riollon and R. Seddoh, partly funded by ECORD

#### **Outreach activities/publications planned from June to November 2013**

- Organisation of the ECORD-IODP booths: **Goldschmidt 2013**, August 25-30, Florence, Italy, and **3P Arctic 2013**, October 15-18, Stavanger, Norway.
- Publications/materials (<http://www.ecord.org/pi/materials.html>)
  - Updates of the ECORD folder and flyers (ECORD, ESSAC) with the new IODP logo.
  - Preparing ECORD Newsletter #21 – late October 2013 with the following deadlines:
    - Call for contributions: late June – early July 2013
    - Authors' deadline: October 1, 2013
    - Date of release: late October-early November 2013 at ESSAC and Council meetings.

The **next ECORD Outreach and Education Task Force** meeting is scheduled on October 7-8, 2013 in Paris, France.

#### **ECORD online:**

ECORD portal: <http://www.ecord.org>

ECORD News: [http://www.ecord.org/RSS/news\\_ECORD.xml](http://www.ecord.org/RSS/news_ECORD.xml)

Follow ECORD on twitter: [http://www.twitter.com/ECORD\\_outreach](http://www.twitter.com/ECORD_outreach)

### **3.6 Standard measurements and sample/data policies in the new IODP**

U. Roehl will present some of the issues regarding the standard measurements and sample/data policies in the new IODP.

### **3.7 ESSAC representatives and National Office reports**

Each ESSAC delegate will give a short summary about the latest national activities regarding IODP and ECORD issues. The current ESSAC delegates and alternates are given in the table down below:

ESSAC Delegates and Alternates		
<b>Austria</b>	Werner E. Piller	Michael Wagreich
	<a href="mailto:werner.piller@uni-graz.at">werner.piller@uni-graz.at</a>	<a href="mailto:michael.wagreich@univie.ac.at">michael.wagreich@univie.ac.at</a>
<b>Belgium</b>	David Van Rooij	Kenneth Mertens
	<a href="mailto:David.VanRooij@Ugent.be">David.VanRooij@Ugent.be</a>	<a href="mailto:kenneth.mertens@ugent.be">kenneth.mertens@ugent.be</a>
<b>Canada</b>	Dominique Weis	Markus Kienast
	<a href="mailto:dweis@eos.ubc.ca">dweis@eos.ubc.ca</a>	<a href="mailto:markus.kienast@dal.ca">markus.kienast@dal.ca</a>
<b>Denmark</b>	Marit-Solveig Seidenkrantz	Paul Cornils Knutz
	<a href="mailto:mss@geo.au.dk">mss@geo.au.dk</a>	<a href="mailto:pkn@geus.dk">pkn@geus.dk</a>
<b>Finland</b>	Kari Strand	Annakaisa Korja
	<a href="mailto:kari.strand@oulu.fi">kari.strand@oulu.fi</a>	<a href="mailto:annakaisa.korja@helsinki.fi">annakaisa.korja@helsinki.fi</a>
<b>France</b>	Serge Berné	Georges Ceulener
	<a href="mailto:serge.berne@univ-perp.fr">serge.berne@univ-perp.fr</a>	<a href="mailto:georges.ceuleneer@get.obs-mip.fr">georges.ceuleneer@get.obs-mip.fr</a>
<b>Germany</b> (Vice-Chair)	Ruediger Stein	Jochen Erbacher
	<a href="mailto:Ruediger.Stein@awi.de">Ruediger.Stein@awi.de</a>	<a href="mailto:j.erbacher@bgr.de">j.erbacher@bgr.de</a>
<b>Iceland</b>	Bryndís Brandsdóttir	Gudrún Helgadóttir
	<a href="mailto:bryndis@raunvis.hi.is">bryndis@raunvis.hi.is</a>	<a href="mailto:gudrun@hafro.is">gudrun@hafro.is</a>
<b>Ireland</b>	Xavier Monteys	David Hardy
	<a href="mailto:Xavier.Monteys@gsi.ie">Xavier.Monteys@gsi.ie</a>	<a href="mailto:david.hardy@gsi.ie">david.hardy@gsi.ie</a>
<b>Italy</b>	Enrico Brugnoli	TBD
	<a href="mailto:direttore.dta@cnr.it">direttore.dta@cnr.it</a>	
<b>The Netherlands</b>	Lucas Lourens	Stefan Schouten
	<a href="mailto:llourens@geo.uu.nl">llourens@geo.uu.nl</a>	<a href="mailto:schouten@nioz.nl">schouten@nioz.nl</a>
<b>Norway</b>	Helga F. Kleiven	Katrine Husum
	<a href="mailto:kikki@uib.no">kikki@uib.no</a>	<a href="mailto:katrine.husum@uit.no">katrine.husum@uit.no</a>
<b>Poland</b>	Szymon Uscinowicz	Piotr Przedziecki
	<a href="mailto:szymon.uscinowicz@pgi.gov.pl">szymon.uscinowicz@pgi.gov.pl</a>	<a href="mailto:piotr.przedziecki@pgi.gov.pl">piotr.przedziecki@pgi.gov.pl</a>
<b>Portugal</b>	Antje Voelker	Luiz F. Menezes Pinheiro
	<a href="mailto:antje.voelker@lneg.pt">antje.voelker@lneg.pt</a>	<a href="mailto:imp@geo.ua.pt">imp@geo.ua.pt</a>
<b>Spain (Chair)</b>	Carlota Escutia Dotti	César Ranero
	<a href="mailto:cescutia@ugr.es">cescutia@ugr.es</a>	<a href="mailto:cranero@icm.csic.es">cranero@icm.csic.es</a>
<b>Sweden</b>	Ian Snowball	Eve Arnold
	<a href="mailto:Ian.Snowball@geol.lu.se">Ian.Snowball@geol.lu.se</a>	<a href="mailto:eve.arnold@geo.su.se">eve.arnold@geo.su.se</a>
<b>Switzerland</b>	Gretchen Früh-Green	Judith McKenzie
	<a href="mailto:frueh-green@erdw.ethz.ch">frueh-green@erdw.ethz.ch</a>	<a href="mailto:judy.mckenzie@erdw.ethz.ch">judy.mckenzie@erdw.ethz.ch</a>
<b>U.K.</b>	Bridget Wade	Anthony Morris
	<a href="mailto:B.Wade@leeds.ac.uk">B.Wade@leeds.ac.uk</a>	<a href="mailto:A.Morris@plymouth.ac.uk">A.Morris@plymouth.ac.uk</a>

## 4. ECORD Highlights

**4.1** Kai Uwe Hinrichs will present the preliminary results from Expedition 337: Deep Coalbed Biosphere off Shimokita

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## 5. Breakout sessions

### 5.1 Introductions

Introductions will be provided by C. Escutia to guide discussions.

### 5.2 Breakout sessions ESSAC Nomination and Staffing / Education and Outreach / AD-HOC Working Group

The ESSAC Nomination and staffing Education and Outreach Subcommittees will meet for 50 minutes.

## 6. ECORD highlights

6.1 DLP Lecturer Roger Urgeles will present the ECORD Distinguished Lecture in Submarine landslides and derived tsunamis, new challenges for the IODP.

## 7. Nominations and Staffing

### 7.1 Staffing

C. Escutia will update the Staffing.

7.1.1 Ranking procedures, quotas and statistics

7.1.2 Updates on expedition staffing and applications:

*USIO Expeditions:*

Asian Monsoon (346)

South China Sea (349)

*CDEX Expeditions:*

NanTroSEIZE Plate Boundary Deep Riser (348)

*MSP Expeditions*

Baltic Sea Paleoenvironment (347)

Izu Bonin Mariana (350, 351 & 352)

### 7.2 ESO

A. Stevenson will report about the news of ESO.

### ESO update

David McInroy, May 2013

### IODP Expedition 347: Baltic Sea Basin Paleoenvironment

The *Greatship Manisha* is currently on contract to the Korean Institute of Ocean Science and Technology (KIOST), undertaking work offshore Tonga. Potential extensions to that contract have widened the Expedition 347 start date window to 1–30 July, departing from Copenhagen. The duration of the expedition will remain at 60 days. The timing of the Onshore Science Party will remain under review until the vessel schedule is confirmed, but for the time being the date is unchanged and the OSP is still expected to start during the first week of November 2013.

On 5 March, a contractor meeting with Island Drilling and the potential logging contractor was held at the BGS Edinburgh offices. Technical details, deck layout and the vessel schedule were discussed. Staff members from all ESO partners were in attendance. The ESO team at the



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University of Leicester are progressing with logging contract negotiations, with S Davies working with the University of Leicester Purchasing Office and Research Office to prepare for letting the logging sub-contract. Regular discussions regarding logging operations for the expedition have continued with the proposed contractor.

Applications to conduct scientific research in Danish and Swedish territorial waters were submitted earlier this year by D McInroy, and are currently under consideration by the Danish and Swedish authorities. The ESO team at the University of Leicester have acquired the MSCL source permit for Sweden as an extension to Sodertorn University's permit. Additionally, the MSCL source permit for Denmark is confirmed.

The order for three new ESO containers (Science, Data Management, ESO office) has progressed, and the containers were delivered to the BGS on 26 April. In the coming weeks the containers will be outfitted, and newly purchased IT equipment will be installed.

The ESO Bremen team has been planning the curation, sampling and scientific program, which has been documented in the Scientific Prospectus, the Sample and Measurement Plan, Core Flow figures, and the Expedition 347 Offshore Analyses Handbook. Detailed planning for the microbiology and geochemistry requirements has been ongoing, including the screening of incoming sample request revisions, planning for the required lab space, outfitting of the new containerized microbiological laboratory, and upgrading the existing laboratory containers.

ESO is continuing to work with the Co-chiefs and PMOs to finalise the Science Party. At the time of writing, two sedimentologist positions were unfilled.

A Stevenson and A Gerdes compiled a draft Communications Plan for Expedition 347, which was distributed to the Co-Chief Scientists and Expedition Project Managers. Plans include a press conference in Copenhagen at the start of the expedition and A Gerdes has made preliminary contact with venues that could potentially host the event.

#### **IODP Proposal 548: Chicxulub K-T Impact Crater (possible FY14/FY15 expedition)**

On 15 January, a hazard survey contractor meeting with the University of Texas was held at the BGS Edinburgh offices, attended by Sean Gulick (University of Texas), BGS and contracting staff. Technical details, the project schedule and contractual matters were discussed.

The hazard survey successfully took place offshore Mexico from 17-22 April, and a full report will be submitted by the contractor to ESO in due course. The survey imaged almost typical karst topography with a few sinkholes over the area and a small escarpment in the NW, but not in the vicinity of the 3 drill sites. The small and large scale depressions will be mapped out in full by the contractor. There are some subtle localised sea bed undulations (~1m in height) and the substrate appears 'hard'. The surface tow boomer and CHIRP performed well although they provided negligible penetration due to the hard karst topography. Only 2 of 9 cone penetrometer tests (CPTs) were conducted, as the sea bed was found to be very hard by the sub-bottom profiling and side-scan sonar. The 2 CPTs that were conducted both hit rock and the cones burst. Instead, sea bed grab samples were taken at sites around the drill sites. The grab samples showed that there is rock at sea bed over the entire area with a veneer of sand-sized sediment forming ribbons across the rock platform. No wrecks or unidentified objects were found.

ESO has lodged the Chicxulub hazard survey data at the BGS on ECORD's behalf. The data and IPR are owned by ECORD, and the data will be held on a restricted basis. Anyone can access the data provided they request permission from ECORD. Users will be obliged to acknowledge ECORD in any publications or outputs.

Depending on confirmation of FY14 funding from ECORD, ESO will start the tendering procedure later this year for the provision of drilling services with a view to implementing the drilling phase in late 2014 or early 2015, at the recommendation of the ECORD Facility Board.

### **7.3 Updates on SAS panels**

C. Escutia will present rotations on panels and give an update of the applications received.

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#### **7.4 N&S Subcommittee report, discussion and future actions (L. Lourens)**

L. Lourens will report the N&S Subcommittee discussions and give an overview of the future actions.

### **8. Education and outreach**

#### **8.1 Summer Schools 2013 update**

8.1.1 USSP: The Urbino Summer School in Paleoclimatology: Past Global Change Reconstruction and Modeling Techniques, 10-30 July 2013

L. Lourens will give a report of the ECORD Urbino Summer School.

8.1.2 ECORD Summer School on Deep-Sea sediments from stratigraphy to age models, MARUM, Bremen, 9-20 September 2013

R. Stein will give a report of the ECORD Bremen Summer School (Annex 2)

#### **8.2 ECORD Scholarships 2013, and ECORD Research Grants 2013**

J. Gutierrez-Pastor will give summary of ECORD Scholarships and Grants 2013.

#### **8.3 ECORD Summer Schools 2014**

J. Gutierrez-Pastor will give an update of ECORD Summer Schools 2014.

#### **8.4 Distinguished Lecturer Programme 2013/2014**

J. Gutierrez-Pastor will present an update of the Distinguished Lecturer Programme 2013/2014.

#### **8.5 E&O Subcommittee report, discussion and future actions**

X. Monteys will report the E&O subcommittee discussions and give an overview of the future actions.

### **9. Workshops, communication and vision**

#### **9.1 Magellan Plus Programme updates and new ToR**

J. Erbacher will report on the Magellan Plus Program and new ToR.

MagellanPlus proposals received on February 1<sup>st</sup>:

Four proposals have been submitted:

- 1.) "Integrated Southern Ocean Latitudinal Transects (ISOLAT)' to Investigate Southern Ocean Palaeoclimate and Past Antarctic Circumpolar Current Variability" (*Ian R. Hall, Rainer Zahn, David Hodell, Larry C. Peterson, Markus Kienast, Crosta and Ralph R. Schneider*)
- 2.) "A closer look at the Pliocene – A look into the future" (*B.D.A. Naafs, N. Khélifi and M.P.S. Badger*)
- 3.) "Accelerating Neoproterozoic Research through Scientific Drilling" (*Daniel J. Condon, Anthony R. Prave, Galen P. Halverson, David Fike, Andy Knoll, Simone Kasemann, Paulo Boggani and Maoyan Zhu*)
- 4.) "BLACKSINK" – Drilling in the Black Sea (*Gert-Jan Reichert, Wout Krijgsman and Iuliana Vasiliev*)

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After reviews and discussions the MagellanPlus Steering Committee suggested the following proposals for funding:

- 1) **"Integrated Southern Ocean Latitudinal Transects (ISOLAT)' to Investigate Southern Ocean Palaeoclimate and Past Antarctic Circumpolar Current Variability"** (*Ian R. Hall, Rainer Zahn, David Hodell, Larry C. Peterson, Markus Kienast, Crosta and Ralph R. Schneider*) - 23-25 September, 2013, Cambridge, UK
- 2) **"Accelerating Neoproterozoic Research through Scientific Drilling"** (*Daniel J. Condon, Anthony R. Prave, Galen P. Halverson, David Fike, Andy Knoll, Simone Kasemann, Paulo Boggani and Maoyan Zhu*) - no date, yet
- 3) **"BLACKSINK" – Drilling in the Black Sea** (*Gert-Jan Reichart, Wout Krijgsman and Iuliana Vasiliev*) - no date, yet

## **ECORD/ICDP - MagellanPlus Workshop Series Program - Terms of reference**

### ***1. Background***

Scientific drilling and coring supports a large and influential scientific community in ECORD and ICDP member countries as testified by, for example, the huge impact of the previous operations by the Deep Sea Drilling Program (DSDP), the Ocean Drilling Program (ODP), the current Integrated Ocean Drilling Program (IODP) and the International Continental Scientific Drilling Program (ICDP). Within these programmes, ECORD researchers have made major contributions to determining the scientific drilling targets. This has led to groundbreaking discoveries and scientific advances, including: the mechanisms of plate tectonics and the accretion of the oceanic lithosphere, the existence of microbial communities in hostile high pressure and/or high temperature environments (deep biosphere), presence of gas hydrates, past climates including extreme and rapid climate variations, high resolution climate perturbations, faulting and volcanic processes, new models for continental break-up, passive margin evolution and collisional orogenesis, mechanisms of biogeochemical cycles, as well as the formation of mantle plumes and large igneous provinces.

In order to realize the full potential of ECORD and ICDP scientists, it is imperative that they can participate fully in the planning and execution of identified and promising research. The MagellanPlus Workshop Series Program is designed to support scientists from ECORD and ICDP member countries in developing new and innovative science proposals for submission to IODP and ICDP, thus ensuring that ECORD and ICDP scientists can continue to play a leading role in scientific drilling. It will build on the success of the ESF Magellan program, through the integration of continental and marine drilling and coring to meet future challenges in Earth, Life and Environmental sciences.

### ***2. Objectives and deliverables***

#### ***2.1 Workshop proposals***

Workshop proposals to the MagellanPlus Workshop Series Program must broadly follow the themes listed in the Science Plans of IODP and ICDP and must support high-quality, new and innovative science. Workshops shall initiate new drilling and/or coring proposals to be submitted to IODP and/or ICDP.

It is envisaged that a maximum of four workshops will be funded each year. Proposals should include a complete and realistic workshop agenda, thus enabling the execution of the workshop within a maximum of 12 months following the selection. It is anticipated that the workshop proposals have a significant component of ECORD and/or ICDP member country leadership, and take into account the drilling strategy, the societal relevance of the investigations, and the development of a broad ECORD network.

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The typical workshop duration and size are 2-4 days and 20-35 participants, respectively. In addition, the locality should be close to a convenient air and/or train hub and have relatively low-cost facilities. The MagellanPlus contribution to a workshop shall not normally exceed 15 k€. Co-funding of workshops by other bodies is welcomed.

The participation of young scientists will be particularly encouraged. International experts of the relevant disciplines will be invited to the workshops to provide scientific input to the workshop themes and warrant international collaboration. Participation of experts on drilling strategies and technology is strongly recommended. Priority will be given to proponents from ECORD and ICDP member countries.

Two calls will be issued with deadlines on February 1<sup>st</sup> and July 1<sup>st</sup>.

Proposals will be reviewed by a Scientific Steering Committee (SSC), with the advice of external reviewers if necessary. Proponents will be notified within two weeks following the submission deadline. Following the review process, approved proposals will be adopted by a SSC member, who will serve as watchdog to guide the proponents/organizers through the necessary steps to ensure that the workshop is open to a wide scientific community and that it will host all the necessary expertise to prepare one or more strong drilling and/or coring proposal(s).

Successful proponents will acknowledge the support of ECORD/ICDP in all information regarding the workshop. They will commit to submit a report and a detailed financial statement to the SSC within two months after the completion of the workshop, to be posted on the ECORD and ICDP websites. They are further committed to submit a short article for the ECORD Newsletter and/or Scientific Drilling within a period of eight months.

## ***2.2 Travel support***

In addition to workshop funding, the MagellanPlus Workshop Series Program will support the participation of scientist from ECORD and ICDP member countries in international IODP and ICDP workshops held in other countries. Proposals for these funds need to be submitted by the organizers of the workshops. The proposals will have to briefly describe the workshop's aims, agenda and setting. A list of ECORD/ICDP member country scientists to be supported, including their CV and motivations, needs to be supplied. Travel support will not exceed 1.5 k€ per person.

## ***2.3 Example for a “Call for proposals”***

The ECORD/ICDP MagellanPlus Workshop Series Program invites proposals to organise workshops to support the development of IODP/ICPD proposals.

Magellan+ would particularly welcomes proposals for workshops that integrate scientific marine and continental coring with scientific topics such as: Earth's Surface Environmental Change, Processes and Effects; the Deep Biosphere & Sub-Seafloor Ocean, as well as Solid Earth Cycles & Geodynamics, as outlined in the science plans of IODP and ICDP.

The contribution of the MagellanPlus Workshop Series will not exceed 15,000 Euros per workshop. Proponents are encouraged to seek co-funding from other sources. Workshops will be held no later than ####.

Proposals must include:

- 1) Short summary (max 500 characters) stating the purpose of the proposed workshop, its location and expected impact.
- 2) Full description (max 2 pages) of the proposed workshop outlining the purpose, rationale, expected impact and number of participants
- 3) Preliminary workshop program
- 4) List of keynote speakers
- 5) Full budget for the workshop
- 6) CV (max. 1 page) plus a list of international, peer-reviewed publications for the last 5 years, of main applicant.

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Proposals must be submitted as a single, combined pdf-document as an email attachment to: magellan.plus@bgr.de

The deadline for applications is ## ## 20##.

For further information please contact Magellan**Plus** via: magellan.plus@bgr.de

### ***3 Organization and Terms of References***

Oversight of the MagellanPlus Workshop Series Program is under the purview of the SSC, which includes the process of coordination, collaboration with ECORD/ESSAC and ICDP, the development of specific workshop calls in line with the program goals, the proposal review process and the evaluation of final reports of workshops granted.

ECORD and ICDP will provide annual budget guidance to the SSC.

The SSC will meet annually within one month after the February 1<sup>st</sup> call.

The SSC will report bi-annually to ESSAC and the ECORD Council, and annually to ICDP. A report on the use of the funds will be presented to the ECORD Council annually. In order to minimize administration costs the SSC will have 10 members only, including one chair, seven ESSAC delegates and two ICDP delegates.

The SSC chair and vice-chair shall be elected by ESSAC and approved by ICDP and the ECORD Council. The SSC chair shall be liaison to the ESSAC, with the vice-chair as alternate. SSC decisions about proposals shall be sent to the ECORD Management Agency (EMA) or ICDP, respectively, in order for them to provide funding to the proponents of the positively evaluated workshop proposals.

Decisions within the SSC shall be made either by consensus or voting, as decided on a case-by case basis. Votes shall be decided by a majority of all members present and eligible to vote. A quorum shall consist of at least two-thirds of the voting members.

#### **9.2 Exploring the Cretaceous Greenhouse through Scientific Drilling April, 15-17, 2013, London, UK**

A summary of the Exploring the Cretaceous Greenhouse through Scientific Drilling Workshop.

#### **9.3 Deep-sea Record of Mediterranean Messinian Events (DREAM) May, 5-8, 2013, Brisighella (Ravenna), Italy**

L. Lourens will present the results of the DREAM workshop.

#### **9.4 Upcoming workshop ISOLAT**

M. Seidenkrantz will give an overview of the upcoming ISOLAT workshop.

#### **9.5 Chikyu +10 workshop**

R. Stein will show a summary of the Chikyu +10 workshop (Annex 3)

#### **9.6 EGU Session 2013 and beyond**

C. Escutia will report about the EGU Session in Vienna, April 2013 and will discuss future EGU sessions.

### **10. Review of consensus, motions and actions**

C. Escutia will review the list of consensus, motions and actions of the 20<sup>th</sup> ESSAC meeting.

### **11. Next meetings**

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C. Escutia will talk about the next ESSAC meeting:

ESSAC #21, October 2013, Israel

## **12. Any other Business**

**LIST OF CONSENSUS, MOTIONS AND ACTIONS**  
**19<sup>th</sup> ESSAC MEETING**  
**Perpignan, 24-26 October, 2012**

**1. INTRODUCTION**

**1.3 Discussion and approval of the Agenda**

**ESSAC Consensus 1210-01:** ESSAC approves the Agenda of its 19<sup>th</sup> meeting on 24-26 October, 2012 in Perpignan, France

**2. IODP News**

**ESSAC Consensus 1210-02:** ESSAC Supports the biannual publication of the Scientific Drilling. This publication is relevant not only for the scientific community, but also to industry, policy makers, and outreach. ESSAC supports its publication in electronic format however, a smaller production of printed copies is highly desirable for policy makers, industry and outreach.

**ESSAC Consensus 1210-03:** ESSAC recommends that travel support be available at the ECORD level for ECORD scientists to participate in the Facility Board of the other two IODP platform providers. A lack of support would prevent excellent ECORD scientists from applying for membership in these FBs.

**3. ECORD News**

**ESSAC to provide names for ILP to EMA**

**ESSAC Consensus 1210-04:** ESSAC agrees that links between ECORD and industry have to be handled with care taking into consideration conflicting objectives, ethical issues and PR activities.

> **ESSAC Action Item 1210-01:** ESSAC will circulate among Delegates the 2 European infrastructure proposals submitted by EMA and the DS3F.

**5. Nominations and Staffing**

**5.1 Staffing**

**5.3. Nomination and Staffing Subcommittee report, discussion and future actions**

**ESSAC Consensus 1210-05:** ESSAC agrees that the Delegates need to be more pro-active in promoting “early career” scientist participation during all stages of the process, especially ranking and nomination. This shall be followed up by the ESSAC Office in communications with ESO.

**ESSAC Consensus 1210-06:** ESSAC expressed concern about COI in the selection of shipboard parties and encourages ESO to work with the co-chiefs to avoid COI situations.

> **ESSAC Action Item 1210-03:** ESSAC Office to separate in ranking spreadsheets senior from “early career” scientists.

**ESSAC Consensus 1210-07:** ESSAC agrees to issue a new call for small countries membership in PEP to find a replacement for Marylin Moulin.

> **ESSAC Action Item 1210-04:** ESSAC Office to issue a call for small countries membership on the PEP. The call will target all countries excluding Switzerland and Canada.

**ESSAC Consensus 1210-08:** ESSAC has reached a consensus about ESSAC’s role in the new ECORD structure. The ESSAC ToR detailing the role and responsibilities of ESSAC within ECORD will be forwarded to EMA for consideration by the ECORD Council during the November 2012 meeting.

> **ESSAC Action Item 1210-05:** ESSAC Office to circulate among Delegates the drafts of the ECORD MoU, which includes the ToR for the other ECORD bodies.

> **ESSAC Action Item 1210-06:** ESSAC Office to circulate among Delegates a draft of the ESSAC ToR discussed in their 24-26 October meeting for final consideration in the context of the ToRs from other ECORD bodies. After an email revision and approval the ESSAC ToR will be forwarded to EMA.

## **8. Education and Outreach**

### **8.7. Education and Outreach Subcommittee report, discussion and future actions**

**ESSAC Consensus 1210-09:** ESSAC agrees on the revised procedure for handling the ECORD Scholarships. This procedure will include a cover letter to the Summer Schools containing guidelines/criteria approved by Delegates for the review of the scholarship applications.

> **ESSAC Action Item 1210-07:** ESSAC Office to issue a call for ECORD Scholarships to participate in the ECORD Summer Schools FY13.

> **ESSAC Action Item 1210-08:** ESSAC Office to issue a call for ECORD Summer Schools in FY14.

> **ESSAC Action Item 1210-09:** ESSAC Office to contact the Urbino Summer School to ask when possible to include teachers from other ECORD countries.



**ESSAC Consensus 1210-10:** ESSAC agrees on the revised wording of the call for applications for the ECORD Grants FY13. The call will prioritize work on Ocean Drilling Program (i.e., DSDP, ODP, IODP) materials by early career scientists. Preference should be given to work in laboratories other than the home lab and to establishment of new collaborations; and should request a letter of support from the host institution not just the home laboratory.

> **ESSAC Action Item 1210-10:** ESSAC Office to issue a call for ECORD Grants FY13.

**ESSAC Consensus 1210-11:** ESSAC approves Claude Hillaire-Marcel and Benoit Ildefonse as DLP for FY13. In case of B. Ildefonse, who was previously a DLP, the host institutions should be different than those he already visited in an earlier cycle.

> **ESSAC Action Item 1210-11:** The ESSAC Office will contact Roger Urgeles, Olivier Rouxel, Anne Le Friant and Michele Rebesco, as DLPs. If no DLPs are identified, then ESSAC Office will invite José Abel Flores to be the DLP.

> **ESSAC Action Item 1210-12:** ESSAC Office to issue a call for institutions to host the DLP in FY13.

## **10. Other business**

**ESSAC Consensus 1210-12:** ESSAC approves the minutes of its 18<sup>th</sup> meeting after comments from Delegates are incorporated.

**ESSAC Consensus 1210-13:** ESSAC thanks Anneleen Foubert, Delegate from Belgium who is rotating off for her service to ESSAC Committee.

**ESSAC Consensus 1210-14:** ESSAC thanks Serge Berné for hosting the 19th ESSAC Meeting in Perpignan, France.

## **11. Next meetings**

**ESSAC Consensus 1210-15:** Location of ESSAC Meeting #20 is Gdansk, Poland. The date of the meeting will be on 3-5 June 2013.

## 8.1.2 Bremen ECORD Summer School 2013

(Report/update R. Stein)

### Bremen ECORD Summer School 2013 update

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#### ECORD Summer School on **Deep-Sea Sediments: From Stratigraphy to Age Models**

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September 9 – 20

at Center for Marine Environmental Sciences (MARUM), University of Bremen, Germany

Taking advantage of the unique and integrated facilities offered by the **IODP Bremen Core Repository (BCR)** and the **MARUM Laboratories** this summer school will combine *lab exercises on IODP-style "shipboard" methodologies* as well as *lectures and interactive discussions* on the role of stratigraphy and age models for the testing of climate related hypotheses in the context of scientific drilling.

• website: [http://www.marum.de/en/ECORD\\_Summer\\_School.html](http://www.marum.de/en/ECORD_Summer_School.html)

### Bremen ECORD Summer School 2013 update

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#### ECORD Summer School on **Deep-Sea Sediments: From Stratigraphy to Age Models**

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##### Costs for participants

Registration fee: 120 €

Hostel: 4/5 bed room 270 € or 2 bed room 320 €

##### Registration

Documents: • letter of motivation • CV • registration form • letter of support

Deadline: April 30, 2013

##### Applications

**44 applications** (directly to Bremen and to ESSAC), **19 countries**

Spain	10	Portugal	2	South Africa	1
Germany	8	Turkey	2	Sweden	1
United Kingdom	3	Chile	1	USA	1
Austria	2	Finland	1		
Belgium	2	Greece	1		
Canada	2	Netherlands	1		
France	2	Peru	1		
Italy	2	Russia	1		

# Bremen ECORD Summer School 2013 update

## ECORD Summer School on **Deep-Sea Sediments: From Stratigraphy to Age Models**

### Contents of topical lectures

#### Introduction to the topic

The concept of geological time

Stratigraphy in the context of scientific drilling

#### Theme 1: Stratigraphic methods

Biostratigraphy, Chronostratigraphy

Magnetostratigraphy, Chemostratigraphy

Stratigraphic information in databases

Quantitative integrated stratigraphy

#### Theme 2: Astronomical tuning and time-series analysis

Milankovic theory

Cyclostratigraphy and astronomical tuning

Time-series analysis of geological records

#### Theme 3: Age models and hypothesis testing

Probabilistic age models

Case examples of age models constraining

Earth system processes

### Lecturers and Virtual Ship instructors:

S. Bohaty, Southampton, UK

S. Davies, Leicester, UK

J. Erbacher, Hannover, Germany

T. Frederichs, Bremen, Germany

W. Hale, Bremen, Germany

O. Hammer, Oslo, Norway

D. Hebbeln, Bremen, Germany

M. Kucera, Bremen, Germany

H. Kuhlmann, Bremen, Germany

D. Lazarus, Berlin, Germany

S. Meyers, Wisconsin, USA

H. Pälike, Bremen, Germany

I. Raffi, Chieti, Italy

U. Röhl, Bremen, Germany

P. Sadler, UC Riverside, USA

L. Schnieders, Bremen, Germany

J. Shakun, Harvard, USA

R. Stein, Bremerhaven, Germany

S. Steinke, Bremen, Germany

R. Telford, Bergen, Norway

S. Voigt, Frankfurt, Germany

H. Wallrabe-Adams, Bremen, Germany

T. Westerhold, Bremen, Germany



**9.5 Chikyu +10 workshop**  
(R. Stein)



- 397 (!?) participants from 22 nations  
(261 from Japan, 136 from other countries)
- 129 white papers, 35 posters

### Workshop Themes:

AF: Active Faults

EM: Ocean Crust and Earth's Mantle

CF: Continent Formation

SS: Sediment Secrets

DL: Deep Life

HYD: Hydrothermal Systems

Further information:

<http://www.iodp.org/scientific-ocean-drilling-poised-to-reveal-the-secrets-of-the-subseafloor>

## CHIKYU+10 INTERNATIONAL WORKSHOP DAILY PROGRAM

**Sunday, 21 April**

09:00 – 09:30:

**Doors Open at 09:00**

Registration; audience is seated by 09:30

09:30 – 10:00:

(Logistical Announcements: 5 minutes)

Opening Remarks by MEXT and JAMSTEC

Moderator: Hitoshi Hotta, Executive Director, JAMSTEC

10:00 – 10:20:

Introduction to the Deep-sea Drilling Vessel CHIKYU

Moderator: Wataru Azuma, Director, CDEX

Presenters: T. Saruhashi and CDEX staff

10:20 – 10:30:

Introduction to Scientific Program / Goals of Workshop

Mike Coffin, Chair, CHIKYU+10 Steering Committee

10:30 – 11:00:

Coffee Break / Discussion

**11:00 – 12:30:**

**PANEL: CHIKYU's First 10 Years: Remarks by Expedition Co-Chiefs**

Moderator: Kiyoshi Suyehiro, President and CEO, IODP-MI

Panelists: H. Tobin (NanTroSEIZE), K. Takai (Exp 331),

F. Inagaki (Exp 337), J. Mori (Exp 343)

12:30 – 14:00:

Lunch / Posters

**14:00 – 15:30**

**Keynote Talks and Theme Introductions**

Moderator: M. Coffin, University of Tasmania

NASA's Decadal Planning of Solar System Exploration

G. Vane, Caltech / Jet Propulsion Laboratory

Chikyu and ICDP: Partners in Scientific Drilling

B. Horsfield, GFZ German Research Centre for Geosciences

Global Geoscience as seen in the Indian Ocean

D. Pandey, National Centre for Antarctic and Ocean Research, India

Microbial Expectations for the Marine Deep Subsurface

K. Nealson, University of Southern California

Workshop Theme Overview: Deep Life and Hydrothermal Systems

K. Kato (Shizuoka University) and W. Bach (University of Bremen)

15:30 – 16:00:

Coffee Break / Discussion

16:00 – 18:30:

**Keynote Talks and Theme Introductions**

Moderator: Mike Coffin

Exploring the Solar System with Scientific Ocean Drilling

C. Neal, University of Notre Dame

Ocean Crust / Mantle and the Deep Carbon Cycle

C. Manning, University of California, Los Angeles

Workshop Theme Overview: Ocean Crust and Earth's Mantle

J. Kimura, IFREE/JAMSTEC

Workshop Theme Overview: Active Faults

C. Moore, University of California, Santa Cruz

<Change Speaker Seating>

Challenges in Mesozoic Paleoceanography

E. Erba, University of Milan

Formation of Continental Crust at Convergent Margins

R. Stern, University of Texas at Dallas

Workshop Theme Overview: Sediment Secrets

D. Kroon, University of Edinburgh

Workshop Theme Overview: Continent Formation

K. Okino, University of Tokyo

18:30 – 20:00

RECEPTION

## CHIKYU+10 INTERNATIONAL WORKSHOP DAILY PROGRAM

### Monday, 22 April

09:10 – 09:30:

#### Doors Open at 09:00

Keynote Talks: Projects from IODP

Moderator: H. Given, Deputy to President, IODP-MI

Ocean Creates Continent: Deep Drilling in Izu-Bonin Margin

Y. Tatsumi, Kobe University and IFREE/JAMSTEC

Costa Rica Seismogenesis Project CRISP

C. Ranero, Barcelona Center for Subsurface Imaging, Spain

09:30 – 11:00:

#### Thematic Panels: Deep Life and Hydrothermal Systems

Deep Biosphere Exploration (30 min; Moderator K. Kato)

Panelists: H. Mills (119), R. Hayman (76), F. Inagaki (112), Takai (23)

Associated Posters: N. Xiao (090), Y. Morono (054), G. Ramirez (096)

Some Ideas on Hydrogen and Hydrocarbons (30 min; Moderator K. Nealson)

Panelists: H. Tomaru (53), Kim (103), Kawagucci (33)

Hydrothermal Systems (30 min; Moderator G. Wheat, Univ of Alaska Fairbanks)

Panelists: M. Jutzler (36), C. deRonde (122), C. Yeats (120), H. Kumagai (82)

Associated Posters: J. Ishibashi (97), T. Toki (35)

11:00 – 11:30:

Coffee Break / Discussion

ATTENTION! 2 PARALLEL SESSIONS

11:30 – 13:00:

#### Thematic Panels: Continent Formation

IBM4: Perspective and Strategy (60 min; Moderators Y. Tamura and K. Kelley)

Panelists: Y. Tamura (13), S. Straub (74), K. Kelley (46), H. Freymuth (71) with

Y. Tatsumi

<short discussion>

Panelists: A. Nichols (34), K. Takai (101), J. Kimura (19)

Comparative Studies, Continent Formation (30 min, Moderator R. Stern)

Panelists: B. Jicha (21), G. Yogodzinski (117), O. Ishizuka (22), S. DeBari (38),

C. Bubsy (29)

11:30 – 13:00:

#### Thematic Panels: Sediment Secrets

Tectonics and Climate / Sedimentation (23 min; Moderator G. Browne)

Panelists: Stern (88), Zhao (100), Browne (124), Viana (81)

High-Resolution Climate Archives (23 min; Moderator M. Chen)

Panelists: Behl (17), Yamazaki (83), Chen (24), Suganuma (95)

Cretaceous Paleoceanography (23 min; Moderator J. Kuroda)

Panelists: M. Coffin (57), N. Ohkouchi (18), C. Foster (69), J. Kuroda (25)

with E. Erba

Sub-Salt Environments (20 min; Moderator A. Camerlenghi)

Panelists: H. Daigle (28), A. Camerlenghi (67), M. Rabineau (115)

13:00 – 14:00:

Lunch / Posters

General Posters: Udrekx (73), Rodnikov (10), Wu (42), Planke (114), Kim (104)

ATTENTION! 2 PARALLEL SESSIONS

14:00 – 15:45:

#### Thematic Panels, Ocean Crust and Earth's Mantle

Hard Rock Deep Drilling and Mohole to the Mantle (40 min; Moderators

N. Seama and B. Ildefonse)

Panelists: J. Natland (93), Y. Kawamura (123), S. Umino (15),

J. Koepke (126)

	<p>Ocean Plate Formation and Architecture (65 min; Moderator E. Hellebrand)  Panelists: T. Fujiwara (40), J. Day (45), N. Akizawa (56), H. Dick (50),  E. Hellebrand (85), Y. Ohara (52), Y. Harigane (59), T. Sato (61)</p>
15:45 – 16:15:	Coffee Break / Posters (Ocean Crust and Earth's Mantle)
16:15 – 17:50:	<p>Ocean Plate Modification, Aging, and Recycling (50 min; Moderator J. Morgan)  Panelists: N. Abe (98), K. Johnson (77), J. Morgan (11), T. Morishita (84),  T. Sakuyama (94), H. Kawahata (113)</p> <p>Large Igneous Provinces: Deep Mantle Dynamics and Environmental Impact  (45 min; Moderator C. Neal)  Panelists: T. Sano (8), M. Tejada (32), X. Zhao (2), C. Neal (47), F. Maeno (68)  Associated Posters: M. Nakanishi (55), S. Miura (60), T. Hanyu (58)</p>
17:50 – 19:00:	Ocean Crust and Earth's Mantle Posters / Discussion (or re-join Active Faults, Long-Term Monitoring panel)
<b>14:00 – 15:30</b>	<p><b>Thematic Panels, Active Faults</b>  Investigating Slow Slip Events (45 min; Moderators Y. Ito and L. Wallace)  Panelists: Wallace (30), Ito (92), Kobayashi (105)  Associated Posters: Kobayashi (106) and Sato (31)</p> <p>Japan Trench (45 min; Moderators S. Kodaira and J. Sample)  Kodaira (64/62), Ujiie (66), Sample (48), Hino (41), Hirose (39): 30 min  Ikehara (1), Strasser (63), Kanamatsu (102), Morita (110): 10 min  Associated Posters: Ikehara (1), Strasser (63), Kanamatsu (102), Morita (110)</p>
15:30 – 16:00:	Coffee Break / Posters (Active Faults)
16:00 – 17:15:	<p>Costa Rica Subduction Zone Studies (40 min; Moderator P. Vannuchi)  Vannuchi (3), Sakaguchi (107), Tanigawa (37), Protti (5)  with C. Ranero</p> <p>Faulting in Oceanic Crust (30 min; Moderator: J. Mori)  Fujie (79), Henry (128), Mori (78), Ishiwatari (108), Gao (88)</p>
17:15 – 18:00	Break / Posters / Discussion (Active Faults)
18:00 – 19:00	<p>4D Instrumentation and Long-Term Monitoring (30 min; Moderator K. Becker)  Hyndman (4), Davis (26), Hashimoto (51), Lin (80)  Associated Posters: Song (116)</p> <p>Nankai Trough Seismogenic Zone Experiment (NanTroSEIZE) (30 min;  Moderators G. Kimura and H. Tobin)  Kimura (65), Park (70), Tobin (75), Araki (111)  Associated Posters: Iwai (87), Horozal (91)</p>
19:00 – 19:30:	Active Faults Posters / Discussion



# CHIKYU+10 INTERNATIONAL WORKSHOP

## DAILY PROGRAM DAY-3

**Tuesday, 23 April**

- 09:00 – 09:15** Introduction to the Day (Mike Coffin)
- 09:15 – 10:00** CDEX Panel: Chikyu Project Development (CDEX Staff)  
Moderator: Kiyoshi Suyehiro
- 10:00 – 10:30** Coffee Break / Discussion
- 10:30 – 12:30** **Discussion on Prioritization / Recommendations in Theme Groups**  
(Participants divide into 5 groups, discussion led by Theme Coordinators)  
Active Faults (Main Hall)  
Ocean Crust and Earth's Mantle (Room 102&103)  
Sediment Secrets (Room 202&203)  
Continent Formation (Room 201)  
Deep Life and Hydrothermal Systems (Room 101)
- 12:30 – 14:00** Lunch
- 14:00 – 15:30** **All Reconvene in Auditorium at 14:00**  
Report outs on theme discussions (Theme Coordinators and Rapporteurs)  
Report out from Active Faults  
Report out from Ocean Crust / Earth's Mantle  
Report out from Sediment Secrets
- 15:30 – 16:00** Coffee Break / Discussion
- 16:00 – 17:30** Report out from Continent Formation  
Report out from Deep Life and Hydrothermal Systems  
General Discussion
- 17:30 – 18:00** Concluding Remarks and close of workshop (JAMSTEC)

