

AGENDA BOOK
ESSAC Meeting # 6
May 24-26, 2016
Faro, Portugal

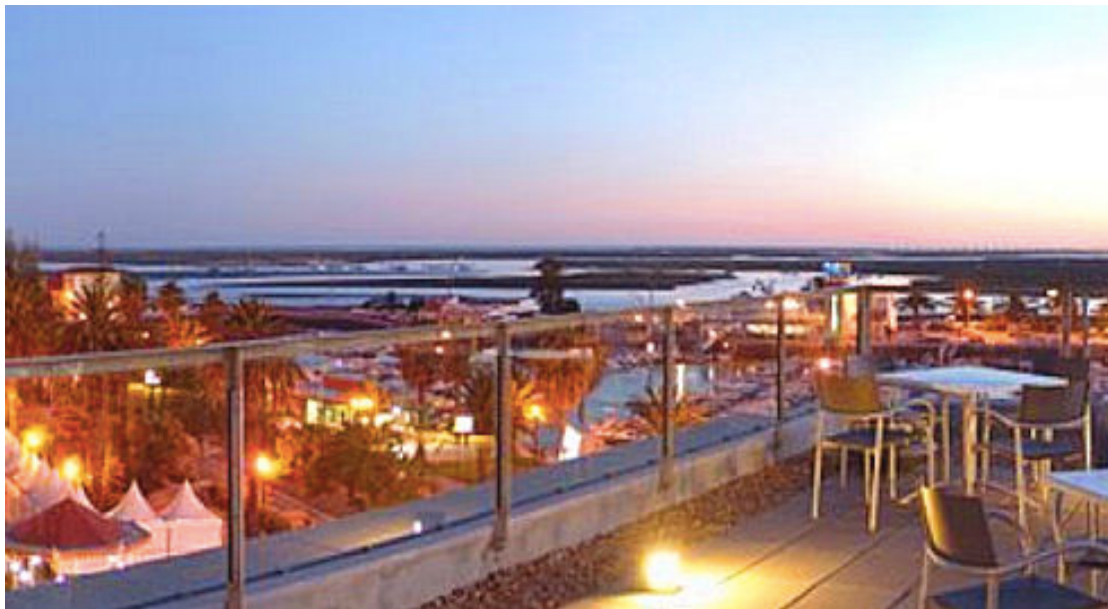


Table of Contents

Meeting Agenda

List of Participants

List of acronyms

ESSAC subcommittee procedures

Logistics

Pages

1. Introduction	14
1.1 Call to order, introductions	14
1.2 Welcome and meeting logistics	
1.3 Discussion and approval of the (1) agenda and (2) minutes of ESSAC Zurich meeting 2014	
1.4 Review of action items since the ESSAC Zurich meeting	
2. IODP – Platform Operator Updates	15
2.1 IODP Update	
2.2 EMA, ECORD Council, ECORD Vision Task Force	
3. ESO and ESSAC News	15
3.1 ESO	15
3.2 ESSAC Office news	16
3.3 ESSAC representatives and National Office reports / issues	17
4. Expeditions, Nominations and Staffing (1)	18
4.1 Staffing	
4.1.1 Updates on expedition staffing and applications	
4.1.2 Quotas, CPPs, in-kind contributions	
4.1.3 Upcoming expedition deadlines and calls	
4.2 ECORD Facility Board Report	
4.3 SEP update	
4.4 Update on advisory panel members	
4.4.1 New calls and alternates	
5. Education and outreach – updates and outstanding issues (1)	18
5.1 ECORD Summer Schools/courses - update & applications 2016	
5.2 ECORD Grants and Scholarships update and applications 2015	
5.3 Teachers at Sea	
5.3.1 Status of applications	
5.4 Upcoming E & O calls 2015 and Outreach activities	
5.5 ECORD Database	
5.6 ESO Outreach & Public Relations	

6.	Breakout Sessions	19
6.1	Introductions	
6.2	Breakout sessions: ESSAC Nominations and Staffing / Education and Outreach Subcommittees	
7.	Nominations and Staffing (2) – Breakout reports & discussion	19
7.1	Nomination & Staffing Subcommittee report, discussion & future actions	
8.	Education and outreach (2) – Breakout reports & discussion	19
8.1	E&O Subcommittee report, discussion and future actions	
8.2	ECORD Summer Schools 2016 update & selection	
8.3	ECORD Grants and Scholarships 2015	
7.3.1	Discussion of awards	
8.4	Update on status of DLP - scheduling, budget	
8.5	Changes to the ECORD/ESSAC websites	
9.	Workshop and Conference Reports	20
9.1	Summerschools 2015 updates	
9.1.1	10.2 USSP: The Urbino Summer School in Paleoclimatology 2015: Past Global Change Reconstruction and Modeling Techniques 2015	
9.1.2	ECORD Bremen Summer School 2015: Ocean crust processes: magma, faults, fluxes, and life	
9.2	Magellan Plus Programme updates	
9.3	Joint IODP/ICDP session at the EGU 2016 in Vienna	
9.3.1	Plans for EGU 2016?	
10.	Next meetings	20
10.1	ESSAC-ECORD Joint Meeting #4, 26-27 October 2016, Bremen, Germany	
11.	Any other business	

ESSAC-Annex 1: Current Staffing



ESSAC Meeting #6
May, 24-26 2016
HOTEL FARO, Faro Algarve, Portugal

AGENDA

Tuesday 24 May 2015, 14:00 – 19:00

Coffee Break: ca. 16:00 – 16:30

1. Introduction (20 minutes)

- 1.1. Call to order, introductions (J. Behrmann)
- 1.2. Welcome and meeting logistics (C. Pires/A. Voelker)
- 1.3. Discussion and approval of the (1) agenda and (2) minutes of ESSAC Naples meeting 2015 (J. Behrmann)
- 1.4. Review of action items since the ESSAC Naples meeting (J. Behrmann)

2. IODP – Platform Operator Updates (30 minutes)

- 2.1. IODP Update (J. Behrmann)
- 2.2. ECORD Vision Task Force (J. Behrmann)
- 2.3. JR Facility Board Report (J. Behrmann)
- 2.4. Chikyu IODP Board Report (G. Camoin)

3. ECORD News (60 minutes)

- 3.1. EMA and ECORD Council Report (G. Camoin)
- 3.2. ESO News (A. Stevenson)
- 3.3. ESSAC Office news (J. Behrmann/H. Kinkel)
- 3.4. ESSAC representatives and National Office reports / issues (ESSAC Delegates)

4. Expeditions, Nominations and Staffing (1) (60-90 minutes)

- 4.1. Staffing (J. Behrmann)
 - 4.1.1. Updates on expedition staffing and applications
 - 4.1.2. Quotas, CPPs, in-kind contributions
- 4.2. Upcoming expedition deadlines and calls
- 4.3. SEP Report (W. Piller)
- 4.4. Update on advisory panel members (J. Behrmann)
 - 4.4.1. New calls and alternates

Tuesday, 24 May, 20:00 - Joint dinner of the ESSAC Delegates and Guests

Wednesday 25 May 2016, 9:00 – 17:30

Coffee Breaks: 10:30 – 11:00; 15:00 – 15:30

5. **Education and outreach – updates and outstanding issues (1)** (60 minutes)
 - 5.1. ECORD Summer Schools/courses - update & applications 2017 (H. Kinkel)
 - 5.2. ECORD Grants and Scholarships update and applications 2016 (H. Kinkel)
 - 5.2.1. Teachers at Sea 2016 (H. Kinkel)
 - 5.3. Calls and status of applications
 - 5.4. Upcoming E & O calls 2016 and Outreach activities (H. Kinkel)
 - 5.5. ECORD Education & Outreach Task Force update (P. Maruéjol)
 - 5.5.1. Past and future workshops and conferences (P. Maruejol)
 - 5.6. Changes to the ECORD/ESSAC/ESO websites (P. Maruéjol/G. Camoin/N. Haldmann)
6. **Breakout Sessions I**
 - 6.1. Introduction (J. Behrmann)
 - 6.1.1. ESSAC Nominations and Staffing Subcommittee (lead: J. Behrmann)
 - 6.1.2. Education and Outreach Subcommittee (lead: X. Monteys)

11:15 – 12:15 Guest Lecture: G. Früh-Green: *Serpentinization and Life: Drilling the Atlantis Massif, Expedition 357*

Lunch 12:30 – 13:30

6. **Breakout Sessions *continued***
7. **Nominations and Staffing (2) – Breakout reports & discussion** (45 Minutes)
 - 7.1. Nomination & Staffing Subcommittee report, discussion & future actions (J. Behrmann)
8. **Education and outreach (2) – Breakout reports & discussion** (90 Minutes)
 - 8.1. E&O Subcommittee report, discussion and future actions (X. Monteys)
 - 8.2. ECORD Summer Schools 2016 update & selection (X. Monteys)
 - 8.3. ECORD Grants and Scholarships 2016 (X. Monteys)
 - 8.3.1. Discussion of awards
 - 8.4. Update on status of DLP - scheduling, budget (H. Kinkel)
9. **Workshop, ECORD Summer Schools and Conference Reports** (90 Minutes)
 - 9.1. Summer Schools 2015 update
 - 9.1.1. USSP: The Urbino Summer School in Paleoclimatology 2015: Past Global Change Reconstruction and Modeling Techniques 2015 (M. Ziegler)
 - 9.1.2. ECORD Bremen Summer School 2015: Ocean crust processes: magma, faults, fluxes, and life (G. Früh-Green)
 - 9.2. Magellan Plus Programme updates (W. Piller)
 - 9.3. Joint IODP/ICDP session at the EGU 2017 in Vienna (J. Behrmann)
 - 9.3.1.1. Plans for EGU 2017?
10. **Next meetings**
 - 10.1. ESSAC-ECORD Joint Meeting #4, 26-27 October 2016, Bremen, Germany (Host: Ursula Röhl)
12. **Any other business** (J. Behrmann)

Review of consensus, motions and actions will be carried out by email

Thursday 26 May 2016

Field trip: windward coast of the Algarve

List of Participants

ESSAC Office

Hanno Kinkel	ESSAC Science Coordinator
Jan Behrmann (Meeting Chair)	ESSAC Delegate Germany

ESSAC Representatives

Andrea Argnani	ESSAC Delegate Italy
Georges Ceuleneer	ESSAC Delegate France
Gretchen Früh-Green (Vice-Chair)	ESSAC Delegate Switzerland
Katrine Husum	ESSAC Alternate Norway
Outi Hyttinen	ESSAC Delegate Finland
Xavier Monteys	ESSAC Delegate Ireland
Antony Morris	ESSAC Delegate UK
Werner Piller	ESSAC Delegate Austria
Ian Snowball	ESSAC Delegate Sweden
Marit-Solveig Seidenkrantz	ESSAC Delegate Denmark
Antje Voelker	ESSAC Delegate Portugal
Martin Ziegler	ESSAC Representative Netherlands

EMA/ESO/ Liaisons

Patricia Maruéjol	EMA
Alan Stevenson	ESO
Gilbert Camoin	EMA
Nadine Hallmann	EMA

Observers

Cristina Veiga-Pires	ESSAC Alternate Portugal
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Apologies

Stefan Schouten	ESSAC Alternate Netherlands
Lucas Lourens	ESSAC Delegate Netherlands
Dominique Weis	ESSAC Delegate Canada
Kikki F. Kleiven	ESSAC Delegate Norway
David Van Rooij	ESSAC Delegate Belgium
Nicolas Waldmann	ESSAC Delegate Israel
Szymon Uscinowicz	ESSAC Delegate Poland
Carlota Escutia	ESSAC Delegate Spain

LIST OF ACRONYMS

ACEX	A rctic C oring E xpedition (Expedition 302)
AF	A cademy of F inland
BCR	B remen C ore R epository
BGS	B ritish G eological S urvey (UK)
BoG	IODP-MI B oard of G overnors
CDEX	C enter for D eep E arth E Xploration (Japan)
CoNISMa	C onsorzio N azionale I nteruniversitario per le S ienze del M are (Italy)
CDP	C omplex D rilling P roject
CNR	C onsiglio N azionale delle R icerche (Italy)
CNRS	C entre N ational de la R echerche S cientifique (France)
DASTI	D anish A gency for S cience, T echnology and I nnovation
DFG	D eutsche F orschungs G emeinschaft (German Research Foundation)
DSDP	D eep S ea D rilling P roject
ECORD FB	E CORD F acility B oard
EC	E uropean C ommission
ECORD	E uropean C onsortium for O cean R esearch D rilling
EDP	E ngineering D evelopment P anel
EPC	E uropean P etrophysics C onsortium
EMA	E CORD M anaging A gency
ERA-Net	E uropean R esearch A rea N etwork
ESF	E uropean S cience F oundation
EPSP	E nvironmental P rotection & S afety P anel
ESO	E CORD S cience O perator
ESSAC	E CORD S cience S upport and A dvisory C ommittee
FB	F acility B oards
FWO-Vlaanderen	F und for S cientific R esearch-Flanders (Belgium)
FWF	A ustrian S cience F und
GRICES	G abineta de R elacoes I nternacionais da C iencias e do E nsino S uperior (Portugal)
GSI	T he G eological S urvey of I reland
ICDP	I nternational C ontinental S cientific D rilling P roject
ILP	I ndustry L iaison P anel (ECORD)
INGV	I stituto N azionale di G eofisica e V ulcanologia (Italy)
INSU	I nstitut N ational des S ciences de l' U nivers (France)
IOs	I mplementing O rganisations
IODP	I nternational O cean D iscovery P rogram
IODP-MI	I ODP M anagement I nternational, Inc.
ISP	I nitial S cience P lan for the IODP
JAMSTEC	J apan M arine S cience & T echnology C enter
J-DESC	J apanese E arth D rilling S cience C onsortium
JEODI	J oint E uropean O cean D rilling I nitiative
JOI	J oint O ceanographic I nstitutions

JR	JOIDES Resolution
JRFB	JOIES Resolution Facility Board
LDEO	Lamont Doherty Earth Observatory
MEXT	Ministry of Education, Culture, Sports, Science & Technology (Japan)
MoU	Memorandum of Understanding
MOST	People's Republic of China Ministry Of Science and Technology
MSP	Mission-specific platform
NanTroSEIZE	Nankai Trough SEIsmogenic Zone Experiment
NERC	Natural Environment Research Council (UK)
NSF	National Science Foundation (USA)
NWO	Netherlands Organisation for Scientific Research
OD21	Ocean Drilling in the 21st Century (Japan)
ODP	Ocean Drilling Program
OEAW	Austrian Academy of Sciences
OGS	Istituto Nazionale di Oceanografia di Geofisica Sperimentale (Italy)
OTF	Operations Task Force
PEP	Proposal Evaluation Panel
RANNIS	The Icelandic Centre for Research
SAS	Science Advisory Structure
SASEC	Science Advisory Structure Executive Committee
SciMP	Scientific Measurements Panel
SCP	Site Characterization Panel
SEP	Science Evaluation Panel
SIPCOM	Science Implementation and Policy Committee
SNSF	Swiss National Science Foundation
SODV	Scientific Ocean Drilling Vessel
TAMU	Texas A & M University
ToR	Terms of Reference
USSAC	United States Science Advisory Committee
USSSP	United States Science Support Program
SVR	Swedish Research Council

See also <http://www.iodp.org/acronyms>

ESSAC subcommittee procedures

ESSAC has been structured in three subcommittees (Nominations and Staffing, Education and Outreach, and ad-hoc working group) to increase the efficiency of ESSAC and the involvement of the ESSAC Delegates in ESSAC activities and responsibilities. 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 for presenting the activities of the subcommittee at the meetings. A general discussion follows that presentation.

Nominations and Staffing subcommittee

Members: Jan Behrmann (ESSAC Chair, D), Gretchen Früh-Green (CH), Lucas Lourens (Coordinator, NL), Dominique Weis (CDN), Georges Ceuleneer (F), Antony Morris (UK), Outi Hyttinen (FIN), Antje Voelker (P), Hanno Kinkel (ESSAC Science Coordinator, D).

General tasks:

- Provide nominations of ECORD representatives (delegates and alternates) on science advisory panels, facility boards and other planning groups.
- Co-ordinate applications, review all the applications and suggest nominations of shipboard participants.
- Review quotas of shipboard scientists between participating countries.
- Provide co-chief nominations for IODP Expeditions.

Immediate actions:

- Evaluate the current ECORD composition of the Advisory Panels, identify future replacements (expertise), and suggest permanent alternates.
- Evaluate the quota balance of ECORD participation to IODP Expeditions.
- Review upcoming IODP Expeditions and provide names of potential co-chief candidates.

Education and Outreach subcommittee

Members: Xavier Monteys (Coordinator, IRE), Hanno Kinkel (ESSAC Science Coordinator, D), Jan Behrmann (ESSAC Chair, D), Nicolas Waldmann (IS), Andrea Argnani (I), Helga. F. Kleiven (N), Werner Pillar (AU), Marit-Solveig Seidenkrantz (DK), Ian Snowball (S), David Vaan Rooij (B), Szymon Uscinowicz (POL).

General tasks:

- Develop educational opportunities/programs: Teacher's workshops, Summer Schools etc., especially for non-traditional audiences.
- Review Summer School proposals.
- Review applications and suggest nominations for ECORD scholarships.
- Initiate applications of speakers for the ECORD Distinguished Lecturer Series and suggest nominations.
- Provide new ideas regarding new ways to raise funds for E&O activities.
- Advise on 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.
- Monitor ECORD database (e.g. ECORD publications).

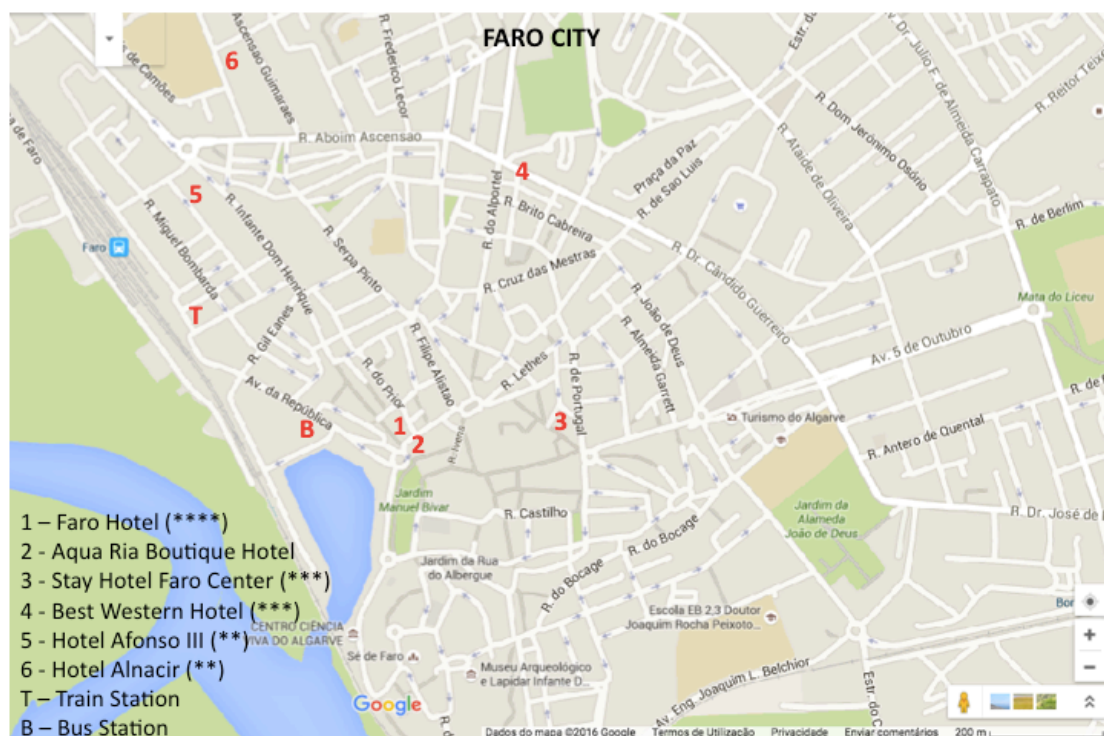
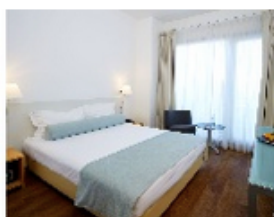
AD-HOC Working Group on relevant themes

ESSAC meeting location address

The ESSAC Meeting will be held in the meeting room of **Faro Hotel**, downtown Faro City, Southern Portugal.

HOTEL FARO
Praça D. Francisco Gomes, 2
8000-168 Faro, Algarve -Portugal

Phone number: +351289 830 830
Fax number: +351 289 830 829
Email: reservas@hotelfaro.pt
Web: <http://www.hotelfaro.pt/?lang=en>



You can either take the taxi for around € 10.00 for a 10 minutes drive to the centre of the city (note that you pay a small extra charge for luggage placed in the trunk) or you can take circuit16 bus of the Proximo company, also known as the pink lane, which establishes the connection with the terminal station at Faro city centre, every 20 minutes for €2.22.

Arrivals on Monday:

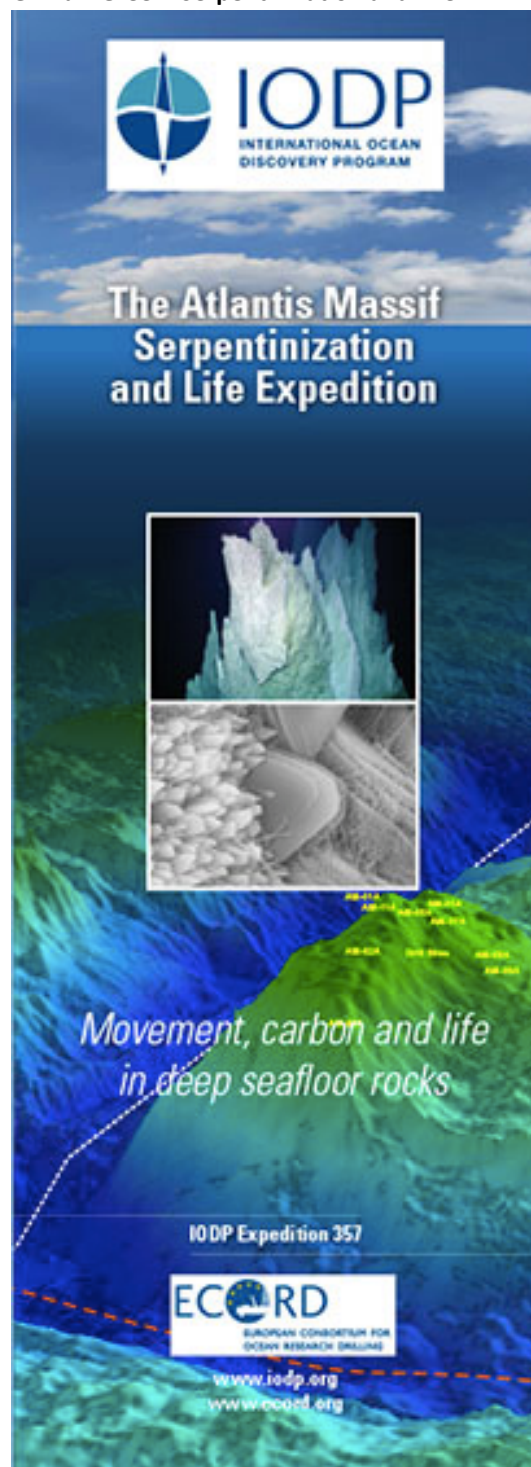
For those of you arriving in Faro on Monday 23rd: C. Veira Pires and A. Voelker can meet you at 7 or 7:30 PM in the hotel lobby.

If anyone needs to reach A. Voelker, her cell phone number is: 00351 - 935 370 818

Guest Lecture

Wednesday 25th May, 11:15-12:15 (Meeting Room)

G. Früh-Green: Serpentinization and Life: Drilling the Atlantis Massif, Expedition 357



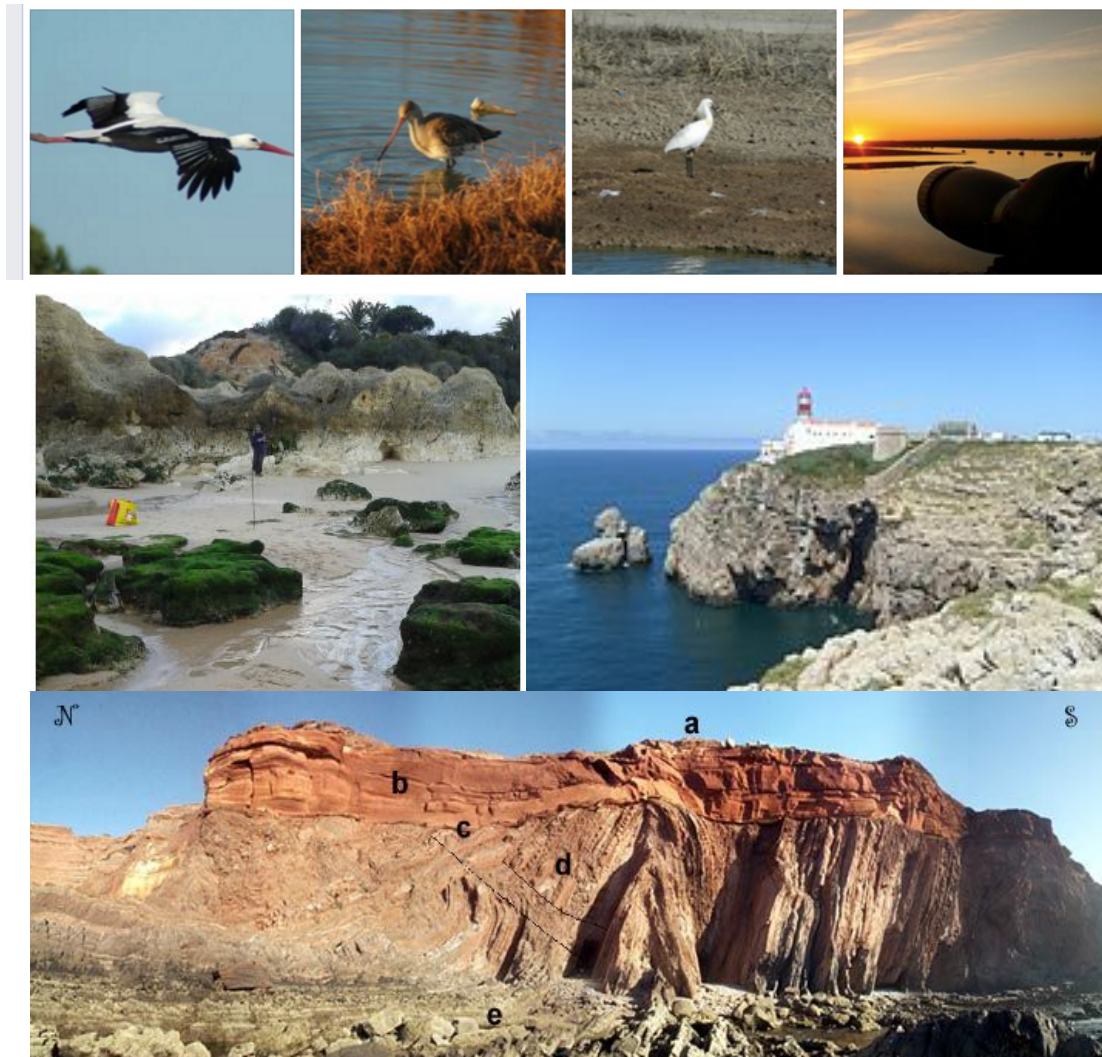
Serpentinization is a fundamental process that controls rheology and geophysical properties of the oceanic lithosphere and has major consequences for heat flux, geochemical cycles and microbial activity in a wide variety of environments. However, we currently have no constraints on the nature and distribution of microbial communities in ultramafic subsurface environments, which are characterised by high hydrogen and methane concentrations but little available CO₂. A major goal of the Atlantis Massif Serpentinization and Life expedition (based on [IODP Proposal 758-Full2](#)) is to better understand the role of serpentinization in driving hydrothermal systems, in sustaining microbiological communities, and in the sequestration of carbon in ultramafic rock. The offshore phase of this MSP expedition will use seabed rock drill technology (MeBo and BGS Rockdrill 2) to core a series of shallow (50-80 mbsf) holes along two profiles across the Atlantis Massif, where detachment faulting exposes both mafic and ultramafic lithologies on the seafloor. A spreading-parallel, E-W profile will target the serpentinite basement to explore the extent and activity of the subsurface biosphere and assess how abiotic and biotic processes change with aging of the lithosphere and with variations in rock type. A ridge-parallel, N-S profile into the gabbroic center of the massif will assess the role of differing rheologies in localising detachment faults and will examine how faulting and lithospheric heterogeneities influence hydrothermal alteration and the nature of the deep biosphere.

Excursion on Thursday the 26th May

The excursion will start at 08.00 promptly at Faro Hotel.

A field trip to the windward coast of the Algarve

The Fieldtrip will consist of visiting the windward coast of the Algarve with: In the morning, a walk on the shore for observing i) rocky cost erosion features linked to sea level stands, and some SGD known locally as “Olhos de água” which means “water eyes” (freshwater springs) and ii) aeolianites and beachrocks next to the actual dunes and beach; and some other stops with Tertiary to Cretaceous rocks along the way to Lagos. In the Afternoon a visit to Cape Saint Vicente and the UNESCO Site Ponta do Telheiro will conclude the fieldtrip.



1. INTRODUCTION

1.1 Call to order, introductions

J. Behrmann will pass on the introductions.

1.2 Welcome and meeting logistics

A. Voelker and C. Pires will provide information about the meeting logistics.

1.3 Discussion and approval of the (1) agenda and (2) minutes from the ESSAC Naples meeting 2015

J. Behrmann will summarize the current agenda and minutes and remark potential goals of the meeting and/or changes of the agenda.

http://www.essac.ecord.org/meetings/Minutes_5_Naples.pdf

1.4 Review of action items since the ESSAC Naples meeting

J. Behrmann will present items since the last ESSAC meeting. The list below contains the actions items, which arose at the 5th ESSAC meeting in Naples. 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”. The complete list of consensus, motions and actions from the 5th ESSAC meeting are listed in the *ESSAC Minutes 5*.

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

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

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

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

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

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

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

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

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

2. IODP – Platform Operator Updates (30 minutes)

2.1 IODP Update

J. Behrmann will update on IODP activities

2.2 ECORD Vision Task Force

J. Behrman will inform on the status

2.3 JR Facility Board Report

J. Behrmann will report from the JR Facility Bord Meeting

2.4 Chikyu IODP Board Report

G. Camoin will report on the Chikyu IODP Board

3. ESO and ESSAC News

3.1 EMA and ECORD Council Report

G. Camoin will provide EMA news and an update on the ECORD Council report

3.2 ESO NEWS

A. Stevenson will present the ESO News

ESO report for ESSAC Meeting, May 2016.

Since the last ESSAC meeting in October 2015, ESO has completed both the offshore and Onshore Science Party for **Expedition 357 Atlantis Massif Serpentinization and Life**, and are currently working off the coast of Mexico on **Expedition 364 Chicxulub K-Pg Impact Crater**.

In December 2015, ESO completed the offshore phase of **Expedition 357** involving the first use in IODP of remotely-controlled robotic seafloor drills, the BGS RockDrill2 (RD2) and the MARUM MeeresbodenBohrgerät (MeBo) each one acting as a back-up for the other. The expedition took place from 26 October to 11 December 2015, sailing to and from Southampton, UK onboard the UK research vessel *RRS James Cook*, provided by the UK's Natural Environment Research Council (NERC) as an in-kind contribution. The ESO facilities included laboratories for core and sample curation, core description, microbiology, and geochemistry for the IODP MSP core workflow, and IT infrastructure including the latest ExpeditionDIS database created by the developer smartcube. The European Petrophysics Consortium provided two multi-sensor core logger systems for the expedition, including the standard system and a fast-track magnetic susceptibility system. The fast-track facilitated the rapid acquisition of physical properties data from all cores, including whole round samples taken for microbiological analysis. Prior to sailing, a successful expedition media event was organised in London by the ESO Outreach team. The media event was held on 22 October at the Foreign Press Association in London, and resulted in several media reports in printed media, online, and on radio, including the BBC.

The expedition spent 27 days at 9 sites on the Atlantis Massif, near the Mid-Atlantic Ridge and recovered 57 m of high-quality cores from actively serpentinizing lower crustal and shallow mantle sequences from the detachment fault zone of the Atlantis Massif, with an average recovery of 53%. Two boreholes to 16.5 mbsf, with a record average recovery of over 70%, were drilled north of the Lost City hydrothermal vent field, a new achievement in scientific ocean drilling. The recovered cores

were highly heterogeneous, ranging from moderately to highly altered and deformed serpentinitized peridotites, with varying compositions and occurrences of talc-amphibole schist zones. Less abundant lithologies included lithified basalt breccias, rodingites, and metagabbros with cataclastic to (ultra)mylonitic deformation fabrics.

During the expedition, and for the first time in any IODP or non-IODP project, two borehole plug systems were successfully installed by a seafloor drill. Consisting of a valved drill string plug and swellable packer, these borehole plugs will allow future sampling of formation fluids by ROVs, which will facilitate better understanding of the geochemical and microbiological processes in these actively serpentinizing systems. Science Party members have already organised a research cruise to return to the drill sites and sample hydrothermal fluids in the plugged boreholes. The new drill-mounted sensor packages designed for the expedition were highly successful and consistently delivered real-time chemical information, allowing in-situ confirmation of ephemeral events such as gas release while drilling. Newly added water sampling apparatus allowed bottom water to be sampled immediately pre- and post-drilling, to augment water samples taken by CTD casts prior to drill landing. The new drill-mounted tracer delivery system (pump system) successfully delivered a geochemical tracer during drilling for contamination tracer testing, which will help assess the validity of the microbiology results.

The **Expedition 357 Onshore Science Party (OSP)** took place from 20 January to 5 February 2016 at the Bremen Core Repository and laboratories of the MARUM - Center of Marine Environmental Sciences building on the campus of Bremen University. About 65 participants (scientists and ESO personnel) took part in the OSP, where the split cores were analysed, supported by the use of the CoreWall visualisation system, digital imaging, color-reflectance measurements, split-core logging, petrophysical analyses, and detailed core sampling. Further analytical laboratories were available at the MARUM (geochemistry, physical properties) and the Department of Geosciences (paleomagnetism, palynology) of the University of Bremen. Soon after the OSP, the scientists received their samples for personal post-expedition research. This post-expedition phase of research is expected to yield new insights into serpentinite-hosted hydrothermal activity, and how microbial communities evolve with its variation.

At the time of writing **Expedition 364, Chicxulub K-Pg Impact Crater** is underway off the coast of the Yucatan Peninsula, Mexico. The drilling platform is the *L/B Myrtle* and the drilling contractor is DOSECC (Drilling, Observation and Sampling of the Earth's Continental Crust), the company used for the highly successful Expedition 313 New Jersey Shallow Shelf in 2009. The coring plan is for a single-hole expedition which aims to reach a total depth of 1,500 mbsf. EPC (Montpellier) are undertaking the wireline downhole logging, working alongside the University of Alberta who are undertaking Vertical Seismic Profiling (VSP) experiments with equipment provided by the University of Texas, Institute of Geophysics. The Onshore Science Party will take place in September and October 2016.

The expedition was preceded by a press conference held at the Gran Museo del Mundo Maya in Mérida, Mexico on April 13th. A very high level of media interest has led to articles in national and international media and science magazines as well as radio and TV broadcasts. A TV production company are involved in making a documentary that will be broadcast in 2017 on major TV channels in the UK and the USA.

Preliminary planning has started for an early-2018 expedition based on **IODP Proposal 813 Antarctic Cenozoic Paleoclimate**, which will use seafloor drilling technology to recover sediments expected to contain records of Antarctica's climate and ice history. Finally, ESO has continued to scope and plan an expedition based on **IODP Proposal 708 Central Arctic Paleocceanography**, scheduled for later in 2018 in what will be a "Polar Year" for ECORD.

3.3 ESSAC Office news

J. Behrmann & H. Kinkel will present a quick overview about the ESSAC news and activities that will be presented during the meeting.

3.3 ESSAC representatives and National Office reports / issues

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		
Austria	Werner E. Piller	Michael Wagreich
	werner.piller@uni-graz.at	michael.wagreich@univie.ac.at
Belgium	David Van Rooij	Kenneth Mertens
	David.VanRooij@Ugent.be	kenneth.mertens@ugent.be
Canada	Dominique Weis	Markus Kienast
	dweis@eos.ubc.ca	markus.kienast@dal.ca
Denmark	Marit-Solveig Seidenkrantz	Paul Cornils Knutz
	mss@geo.au.dk	pkn@geus.dk
Finland	Outti Hyttinen	Joonas Virtasalo
	Outi.hyttinen@helsinki.fi	joins.virtasalo@gtk.fi
France	Georges Ceulener	Anne Le Friant
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Ireland	Xavier Monteys	David Hardy
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Italy	Andrea Argnani	Simonetta Monechi
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Spain	Carlota Escutia Dotti	
	cescutia@ugr.es	
Sweden	Ian Snowball	Jorijntje Henderiks
	Ian.Snowball@geol.lu.se	jorijntje.henderiks@geo.uu.se
Switzerland (Chair)	Gretchen Früh-Green	Silvia Spezzaferri
	frueh-green@erdw.ethz.ch	silvia.spezzaferri@unifr.ch
U.K.	Anthony Morris	Bridget Wade
	A.Morris@plymouth.ac.uk	B.Wade@leeds.ac.uk

4. Expeditions, Nominations and Staffing (1)

4.1 Staffing

J. Behrmann will report on Staffing (*See ESSAC-Annexes 1 and 2*).

4.1.1 Updates on expedition staffing and applications

4.1.2 Quotas, CPPs, in-kind contributions

4.2 Upcoming expedition deadlines and calls

4.3 SEP update

W. Piller will give an update on SEP.

4.4 Update on advisory panel members

J. Behrmann will give an update on advisory panel members, rotations and calls.

4.4.1 New calls and alternates

5. Education and outreach – updates and outstanding issues (1)

5.1 ECORD Summer Schools/courses - update & applications 2016

H. Kinkel will report about the ECORD Summer Schools 2016 applications.

5.2 ECORD Grants and Scholarships update and applications 2016

H. Kinkel will present the ECORD Scholarships and Grants 2016 applications.

5.3 Teachers at Sea

H. Kinkel will update about the Teachers at Sea program.

5.4 Upcoming E & O calls 2015 and Outreach activities

H. Kinkel will present the upcoming E&O Calls.

5.5 ECORD Education & Outreach Task Force update

P. Maruéjol will present an update on the E&O Activities

5.5.1 Past and future workshops and conferences

P. Maruejol will update on future activities

5.6 Changes to the ECORD/ESSAC/ESO websites

P. Maruéjol&G. Camoin/N. Hallmann will present the status of the new joint website

6. Breakout Sessions

6.1 Introductions

Introductions will be provided by J. Behrmann to guide discussions.

6.2 Breakout sessions: ESSAC Nominations and Staffing / Education and Outreach Subcommittees

The ESSAC Nomination and Staffing Education and Outreach Subcommittees will meet as time permits.

Guest Lecture: G. Früh-Green: **Serpentinization and Life: Drilling the Atlantis Massif, Expedition 357**

7. Nominations and Staffing (2) – Breakout reports & discussion

7.1 Nomination & Staffing Subcommittee report, discussion & future actions

J. Behrmann will report on the Nomination and Staffing subcommittee discussions and give an overview of future actions

8. Education and outreach (2) – Breakout reports & discussion

8.1 E&O Subcommittee report, discussion and future actions

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

8.2 ECORD Summer Schools 2016 update & selection

H.Kinkel and X. Monteys will present the proposal of selected ECORD Summer Schools 2016.

8.3 ECORD Grants and Scholarships 2015

8.3.1 Discussion of awards

H. Kinkel and X. Monteys will present the proposal of selected ECORD Grants and Scholarships 2016 applicants.

8.4 Update on status of DLP - scheduling, budget

H. Kinkel will update about the DLP program.

8.5 Changes to the ECORD/ESSAC websites

H. Kinkel will report about the last changes in the ESSAC website.

9. Workshop and Conference Reports

9.2 Summer Schools 2015 update

- 9.2.1 USSP: The Urbino Summer School in Paleoclimatology 2015: Past Global Change Reconstruction and Modeling Techniques 2015
M. Ziegler will report on the Urbino Summerschool
- 9.2.2 ECORD Bremen Summer School 2015: Ocean crust processes: magma, faults, fluxes, and life G. Früh-Green will report on the Bremen Summerschool

9.3 Magellan Plus Programme updates

W. Piller will report on the Magellan Plus Program

9.3 Joint IODP/ICDP session at the EGU 2017 in Vienna

J. Behrmann will report about the past Joint IODP/ICDP session at the EGU 2015 in Vienna and discuss the plans for EGU 2017

10. Next meetings

10.1 ESSAC-ECORD Joint Meeting #4, 26-27 October 2016, Bremen, Germany (Host: Ursula Röhl)

H. Kinkel will inform about the upcoming ESSAC-ECORD Joint Meeting in Napoli.

12. Any other business

J. Behrmann will ask and summarize if there is any other business.