



Welcome to the SSP Division Meeting

**Patric Jacobs, Helmut Weissert
and the SSP Division Officers**

**Wednesday, 15 April 2015
at 12h15 in Room B1**





Agenda

GA 2015

Participation

EGU Budget 2015, accounts 2014

General information

SSP

Division structure (with election of sub-division officers)

Lamarck Medal (with 2016 call)

Facts and Figures

Press Conference; Publications?

Young Scientists

Outstanding Student Poster Award YS

YS Award

Name?

GA 2016

Skeleton Programme

2016 GA Theme





EGU General Assembly 2015 facts

As of 07 April, the Assembly 2015 provides:

- 14,231 papers in programme | -4.46% (2014)
- 4,900 orals | 8,608 posters | 723 PICOs | ratio 34.5 / 60.5 / 5
- 379 unique scientific sessions | 285 side events*
- 8,848 registrations in advance (8,800 already paid) | -13.77% (2014)

*Side events include: GDB, ML, GL, KL, TM, EGU, SC, SPM, DM, EBM, UM, OM





EGU General Assembly 2014 Facts

As of 26 April, the Assembly 2014 provides:

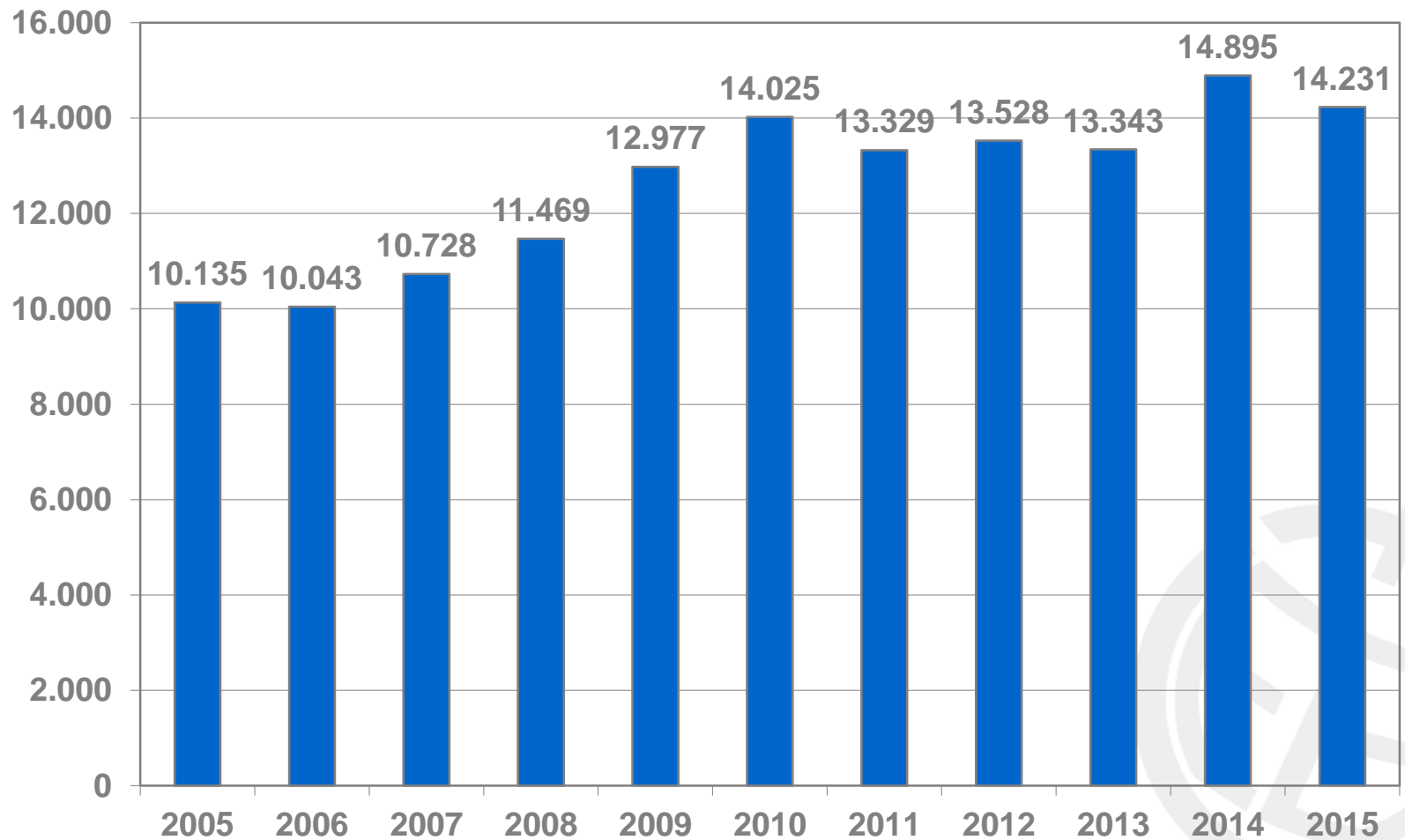
- 14,895 Papers in Programme | +11.6% (2013)
- 4,829 Orals | 9,583 Posters | 483 PICOs | Ratio 32 / 64 / 3
- 568 unique scientific Sessions | 126 PSD Sessions | 245 Side Events*
- 10,261 Registrations in Advance (10,176 already paid) | +3.9% (2013)

*Side Events include: GDB, EG, EOS, ML, KL, TM, SC, SPM, DM, EBM, UM



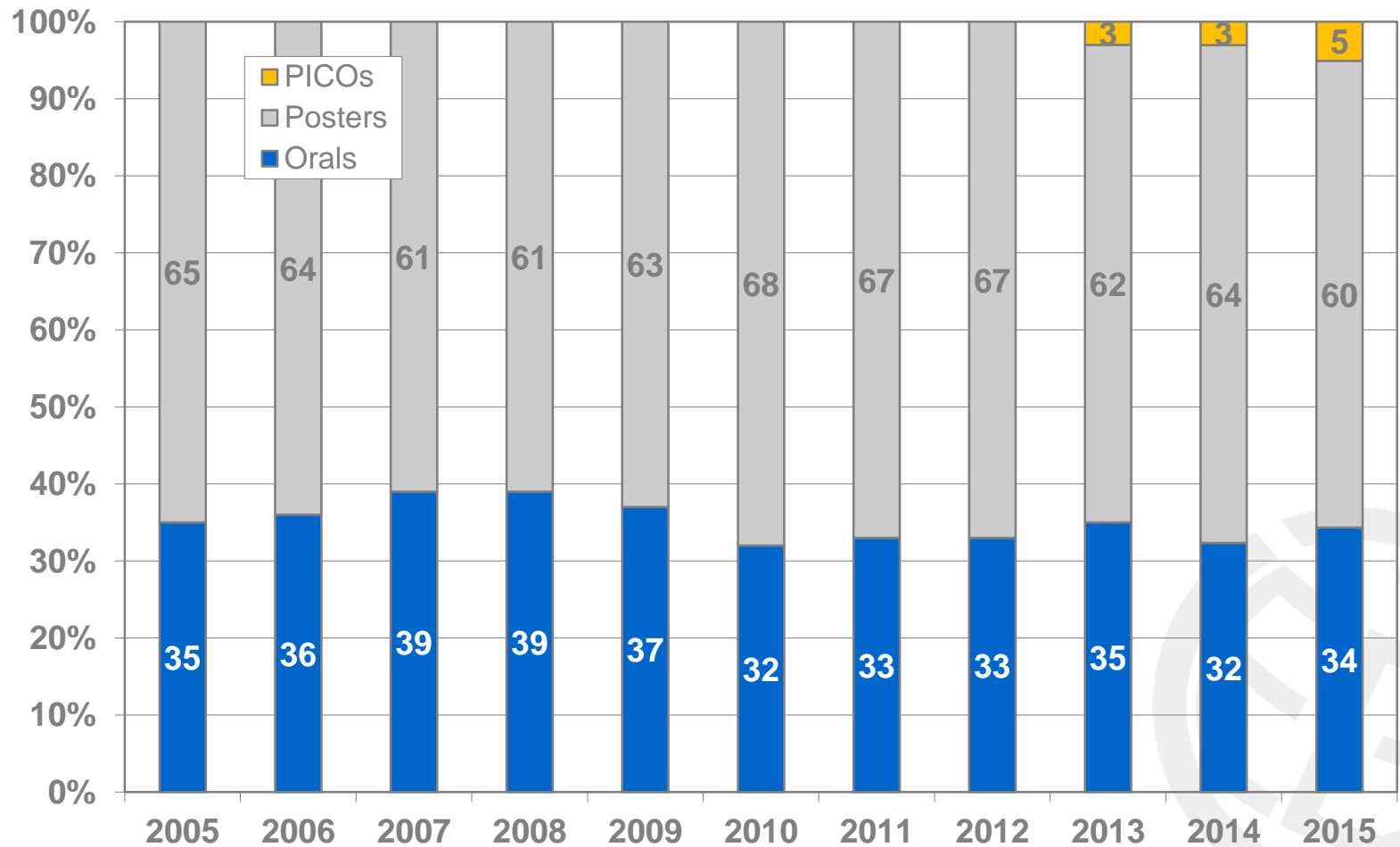


Papers in programme 2005–2015



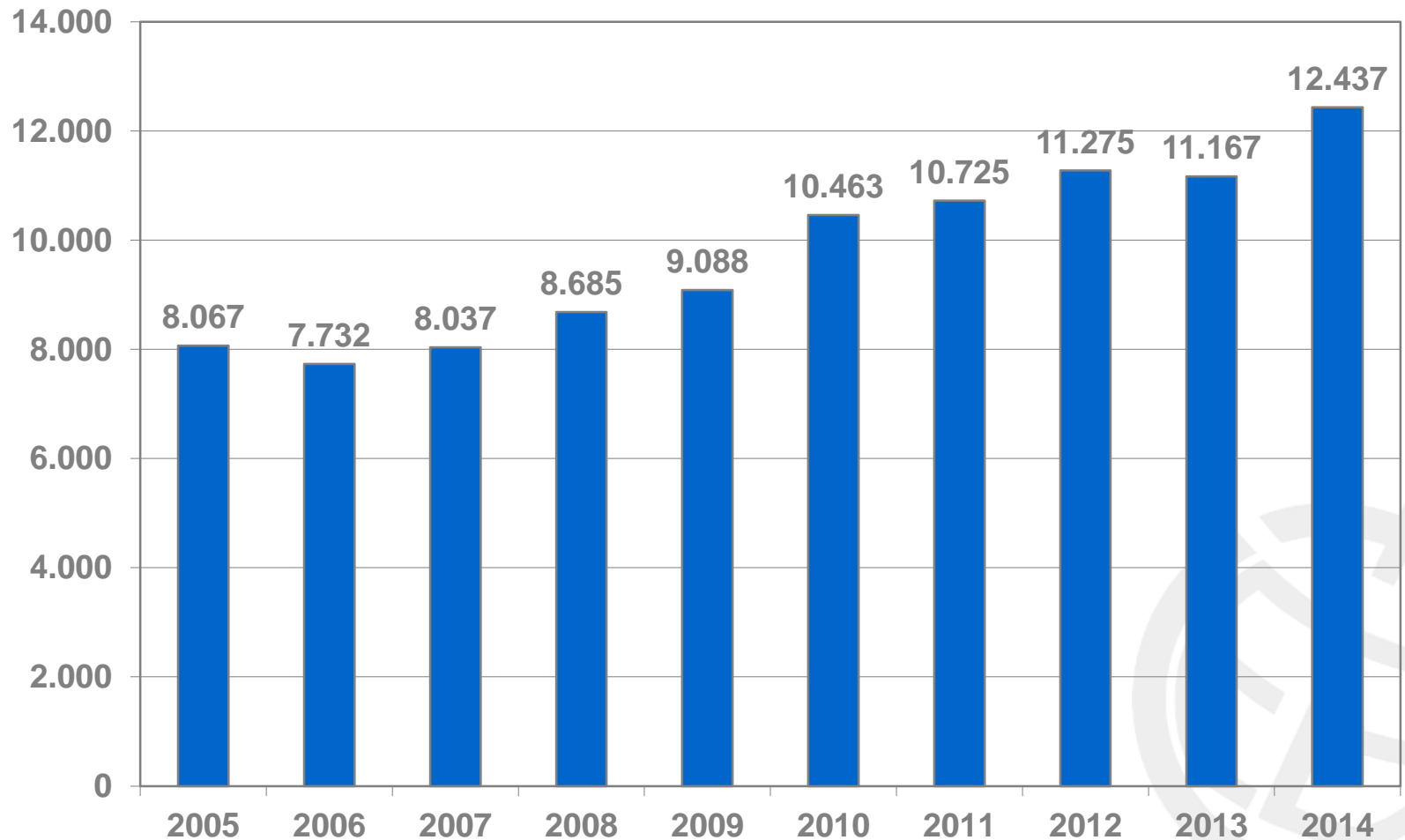


Presentation ratio 2005–2015





Participants at EGU Assemblies 2005–2014





Finances 2014 and Budget 2015

- a. 2014: income 774 k€, expenditures 856 k€, deficit **82 k€**
- b. Current account balance 2014: 351 k€
- c. Reserve and savings account 2014: 4741 k€
- d. Budget 2015: income and expenditures: 7789 k€
- e. Auditing





Communication Activities at the Assembly

EGU Today

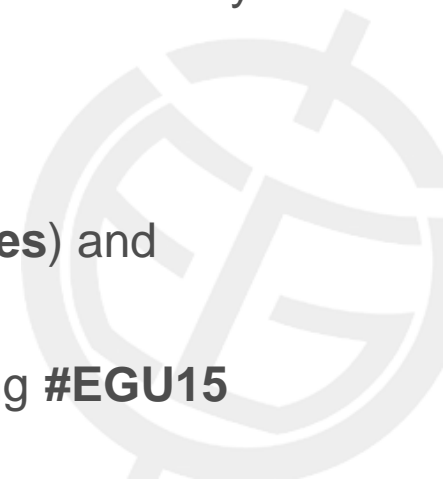
- EGU Today is a daily newsletter highlighting interesting workshops, lectures and GeoCinema screenings, amongst activities at the Assembly
- Paper copies will be distributed daily and are available to download at www.egu2015.eu/egu_today

Blogs

- GeoLog, the EGU Blog Network & EGU Division Blogs will be sharing great sessions, research, interviews and more throughout the Assembly
- Follow them at geolog.egu.eu and blogs.egu.eu

Social Media

- Sessions will be advertised on Twitter ([@EuroGeosciences](https://twitter.com/EuroGeosciences)) and Facebook (**European Geosciences Union**)
- Participants can ask questions & keep updated by following **#EGU15**





EGU Galileo conferences

- Address well-focused cutting-edge topics at the frontier of geosciences research.
- 3-5 days meeting for discussion and debate for about 100 participants.
- EGU provides comprehensive organisational support allowing organizing committees to focus on the scientific aspects.
- EGU is partly sponsoring the event. Financial loss or benefit go to EGU.
- 2 stage application process on-line. “Deadline” for 1st round of applications **November 30th 2015** (submission page coming up in summer).
- Submission from September 1st, 2015



Home

SSP Structure

Meetings

Publications

Awards & Medals

Jobs

Reports

« Back to EGU Website

Find the EGU on



Division on Stratigraphy, Sedimentology and Palaeontology (SSP)

President: Patric Jacobs, ssp@egu.eu

Deputy President: Ian Jarvis, i.jarvis@kingston.ac.uk

The Stratigraphy, Sedimentology and Palaeontology Division (SSP) focuses its activities on all aspects of the sedimentary record. About 70 % of the Earth surface is covered by sedimentary deposits, which are eroded and deposited right at the contact between the solid lithosphere and the atmosphere, biosphere and hydrosphere. Sedimentary rocks record the history of our planet since almost 4 billion of years and play a pivotal role for our understanding of the evolution of life. This deep-time archive of Earth history is studied with a wide range of analytical techniques providing ever stunning details on the evolution of our planet. Sedimentary basins host important natural resources like coal, gas, oil, ore deposits and groundwater and therefore a better understanding of the physical, chemical and biological processes controlling the formation and distribution of sediments and sedimentary rocks is of utmost importance for our society.

Find the SSP division on



Stratigraphy,
Sedimentology &
Palaeontology





SSP Structure

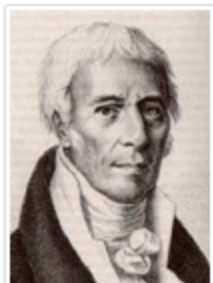
President	Patric Jacobs	ssp@equ.eu
Programme Group Chair	Patric Jacobs	ssp@equ.eu
Deputy President	Ian Jarvis	i.jarvis@kingston.ac.uk
Science Officers	Ulrich Heimhofer <i>Stratigraphy</i>	heimhofer@geowi.uni-hannover.de
	Guilhem Amin Douillet <i>Sedimentology</i>	douillet@min.uni-muenchen.de
	Barbara Mohr <i>Palaeontology</i>	barbara.mohr@mfn-berlin.de
	Anna Sanson Barrera <i>Palaeontology</i>	anna.sanson@pim.uzh.ch
Awards & Medals	Judy McKenzie	judy.mckenzie@erdw.ethz.ch
Young Scientist Representative	Guilhem Douillet	g.douillet@min.uni-muenchen.de

Election of Division Officers!!!





Awards & Medals

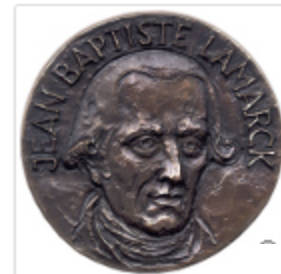


Jean Baptiste Lamarck Medal

The Jean Baptiste Lamarck Medal is established by the Division on Stratigraphy, Sedimentology and Paleontology in recognition of the scientific achievement of Jean Baptiste Lamarck.

It is reserved for scientists for their exceptional contributions to either Stratigraphy, Sedimentology or Paleontology. The medal will be awarded each year, alternating between the three subdivisions, so that each third year a Stratigrapher, Sedimentologist or Paleontologist will be awarded.

The medal has been exclusively designed for the EGU by József Kótai.





Jean Baptiste Lamarck Medallists



2015

Wolfgang Schlager



2014

Isabella Premoli Silva



2013

Helmut Weissert



2012

Emiliano Mutti



2011

Malcolm Barrie Hart



2010

Felix Gradstein



2009

Maurice E. Tucker



2008

Franz Theodor Fürsich



2007

Alessandro Montanari



2006

Judith A. McKenzie





Lamarck Medal

- a. Award Committee: 3 members plus chairperson
- b. Nominations to be submitted online to Executive Office
- c. No self-nominations
- d. At least **two nominations!**
- e. Deadline: **15 June 2015!**
- f. 2016: nominations for **STRATIGRAPHY**

Decisions:

Wolfgang Schlager replaces Emiliano Mutti as Award Committee Member.
The SSP Division thanks Emiliano for his excellent services on the Committee.

Judy McKenzie continues to act as Award Committee Chair.

Ian Jarvis replaces Helmut Weissert as Award Committee Member



Time Schedule for Union Awards and Division medals

1 January–15 June	Open Call-for-Proposals
15 June–1 September	Survey of all suggestions by the respective Award and Medal Committees. With respect to the Outstanding Young Scientist Awards, the Officers of the Union Divisions will evaluate their proposals between 15 June–30 June, while the Council will select max. 4 candidates from all suggested by the Divisions.
1–30 September	Peer assessment of the nominated candidates by the Union Award Committee.
October	Presentation of the candidates and final approval by the Union Council at its fall meeting.
October/November	Awardees and Medallists are informed to receive their award/medal at the next General Assembly of the Union.



Statistics for a Programme Groups



Programme Group		Lead Sessions			Co-org. Sessions		Total	
		#Abs.	%	#Ses.	#Abs.	#Ses.	#Abs.	#Ses.
US	Union Symposia	6	0%	1	0	0	6	1
EG	Europe in Geosciences	0	0%	0	0	0	0	0
EOS	Educational and Outreach Symposia	151	1%	11	23	3	174	14
ML	Medal Lectures	16	0%	16	0	0	16	16
KL	Keynote Lectures	1	0%	1	0	0	1	1
TM	Townhall Meetings	0	0%	0	0	0	0	0
SC	Short Courses	0	0%	0	0	11	0	11
SPM	Splinter Meetings	0	0%	0	0	0	0	0
AS	Atmospheric Sciences	1,475	10%	46	566	18	2,041	64
BG	Biogeosciences	746	5%	34	524	20	1,270	54
CL	Climate: Past, Present, Future	1,153	7%	45	444	18	1,597	63
CR	Cryospheric Sciences	416	3%	23	103	4	519	27
EMRP	Earth Magnetism & Rock Physics	187	1%	12	222	10	409	22
ERE	Energy, Resources and the Environment	379	2%	20	229	8	608	28
ESSI	Earth & Space Science Informatics	279	2%	22	178	6	457	28
G	Geodesy	384	2%	15	256	8	640	23
GD	Geodynamics	516	3%	27	672	22	1,188	49
GI	Geosciences Instrumentation & Data Systems	322	2%	19	207	8	529	27
GM	Geomorphology	609	4%	32	768	29	1,377	61
GMPV	Geochemistry, Mineralogy, Petrology & Volcanology	663	4%	31	749	30	1,412	61
HS	Hydrological Sciences	2,033	13%	87	534	20	2,567	107
IG	Isotopes in Geosciences: Instrumentation and Applications	120	1%	7	155	6	275	13
NH	Natural Hazards	940	6%	46	744	23	1,684	69
NP	Nonlinear Processes in Geophysics	401	3%	28	243	8	644	36
OS	Ocean Sciences	602	4%	20	217	8	819	28
PS	Planetary & Solar System Sciences	434	3%	20	237	9	671	29
SM	Seismology	496	3%	18	742	28	1,238	46
SSP	Stratigraphy, Sedimentology & Palaeontology	292	2%	19	564	22	856	41
SSS	Soil System Sciences	1,500	10%	50	714	31	2,214	87
ST	Solar-Terrestrial Sciences	421	3%	17	88	4	509	21
TS	Tectonics & Structural Geology	867	6%	29	925	32	1,792	61
PSD	Poster Summaries & Discussions	0	0%	0	0	0	0	0
Sum		15,409	100%	702				



European Geosciences Union



Statistics for all Programme Groups

Programme Group		Lead Sessions			Co-org. Sessions		Total	
		#Abs.	%	#Ses.	#Abs.	#Ses.	#Abs.	#Ses.
GDB	Great Debates	0	0%	4	0	0	0	4
US	Union Symposia	30	0%	6	0	0	30	6
EOS	Educational and Outreach Symposia	185	1%	9	71	4	256	13
ML	Medal Lectures	13	0%	27	0	0	13	27
GL	Lectures for a general geoscience audience	2	0%	2	0	0	2	2
KL	Keynote Lectures	4	0%	6	0	0	4	6
TM	Townhall Meetings	0	0%	8	0	0	0	8
EGU	Meet EGU	0	0%	37	0	0	0	37
SC	Short Courses	0	0%	46	0	1	0	47
SPM	Splinter Meetings	0	0%	108	0	0	0	108
PC	Press Conferences	0	0%	9	0	0	0	9
GC	Geo Cinema	0	0%	1	0	0	0	1
AS	Atmospheric Sciences	1,388	10%	42	638	20	2,026	62
BG	Biogeosciences	682	5%	33	281	10	963	43
CL	Climate: Past, Present, Future	1,161	8%	39	400	15	1,561	54
CR	Cryospheric Sciences	326	2%	17	266	11	592	28
EMRP	Earth Magnetism & Rock Physics	131	1%	9	423	17	554	26
ERE	Energy, Resources and the Environment	438	3%	20	138	5	576	25
ESSI	Earth & Space Science Informatics	194	1%	17	134	5	328	22
G	Geodesy	329	2%	14	28	1	357	15
GD	Geodynamics	349	2%	16	542	17	891	33
GI	Geosciences Instrumentation & Data Systems	222	2%	9	214	11	436	20
GM	Geomorphology	496	3%	23	853	33	1,349	56
GMPV	Geochemistry, Mineralogy, Petrology & Volcanology	518	4%	18	599	27	1,117	45
HS	Hydrological Sciences	1,834	13%	78	702	33	2,536	111
NH	Natural Hazards	930	7%	37	419	18	1,349	55
NP	Nonlinear Processes in Geophysics	372	3%	17	150	6	522	23
OS	Ocean Sciences	593	4%	22	315	11	908	33
PS	Planetary & Solar System Sciences	488	3%	19	194	8	682	27
SM	Seismology	408	3%	15	334	14	742	29
SSP	Stratigraphy, Sedimentology & Palaeontology	377	3%	17	210	8	587	25
SSS	Soil System Sciences	1,544	11%	50	510	24	2,054	92
ST	Solar-Terrestrial Sciences	332	2%	13	67	3	399	16
TS	Tectonics & Structural Geology	803	6%	29	694	30	1,497	59
UM	Union Meetings	0	0%	20	0	0	0	20
DM	Division Meetings	0	0%	22	0	0	0	22
EBM	Editorial Board Meetings	0	0%	16	0	0	0	16
OM	Other Meetings	0	0%	3	0	0	0	3
Sum		14,149	100%	887				

Last update: 09.04., 19:05:40



SSP Facts and Figures

Lead Division Sessions

2014: 19

2015: **17**

Abstracts

2014: 292

2015: **377**

PICOs

2014: 1

2015: 1

Oral blocks

2014: 12

2015: **22**

Rooms 2015

B1 and B3





SSP Young Scientists (YS)

What is an EGU YS?

- 35 years old or younger
- received his or her highest degree (e.g., BSc, MSc, PhD) within the past seven years*.

SSP YS authors: 595 (SSP total: 1372)

=> 43% young scientists

YS representative SSP:

Guilhem Amin Douillet

g.douillet@min.uni-muenchen.de





Website and infos:

<http://www.egu.eu/young-scientists/>

Activities during GA:

- Ice Breaker: “Young Scientists Meeting Corner”
- All week: “Young Scientists Lounge“ - Red Level
=> Look for YS rep (Tue, 15:30-17:00, Guilhem for SSP)
- YS forum (Tue, 12:15-13:15, Room G8)
- Loads of short courses!





Facebook page:

<https://www.facebook.com/EGUssp>



1240 “Likes”!

=> Most liked EGU division pages

- Only basic EGU information shared
- Could become a platform for job, short course, conference announcements

NEED FOR AN ADMINISTRATOR!!



Twitter page:

https://twitter.com/EGU_SSP
[@EGU_SSP](https://twitter.com/EGU_SSP)



The screenshot shows the Twitter profile for the EGU SSP Division. The profile picture is a square with the letters 'SSP' on the left and the EGU logo on the right. The header image is a photograph of a person standing in front of a large rock formation. The statistics are: TWEETS 30, FOLLOWING 39, FOLLOWERS 120, and FAVORITES 1. There is an 'Edit profile' button. The navigation tabs are 'Tweets', 'Tweets & replies', and 'Photos & videos'. A single tweet is visible, posted by 'EGU SSP Division @EGU_SSP' on 'Mar 1'.

TWEETS	FOLLOWING	FOLLOWERS	FAVORITES
30	39	120	1

EGU SSP Division
@EGU_SSP

Tweets Tweets & replies Photos & videos

EGU SSP Division @EGU_SSP · Mar 1

120 “Followers”

- Only basic EGU information shared
- Could become a platform for job, short course, conference announcements

NEED FOR AN ADMINISTRATOR!!



Union Assembly Awards

In relation with its General Assemblies, the Union presents a number of special awards, such as the **Outstanding Student Poster (OSP) Awards** to further improve the overall quality of poster presentations and most importantly, to foster the excitement of younger colleagues in presenting their work in form of a poster.

Eligible for the **Outstanding Student Poster (OSP) Awards** are students that:

1. are first author and personally present the poster at the conference;
2. satisfy one of the following criteria:
 - are a current undergraduate (e.g., BSc) or postgraduate (e.g., MSc, PhD) student;
 - are a recent undergraduate or postgraduate student (conferral of degree after 1 January of the year preceding the conference) who are presenting her/his thesis work.

Once the programme has been finalised, authors presenting a poster are invited to register for the award. Their data are then transferred to the respective Division Award Committee, which selects the best poster paper at the meeting. Further details are included on the Home Site of the respective general assembly.





European Geosciences Union

www.egu.eu



Melanie Froude

Outstanding Student Poster (OSP) Awards 2014

Stratigraphy, Sedimentology and Palaeontology



The 2014 Outstanding Student Poster (OSP) Awards is awarded to Melanie Froude for the poster entitled:

Sedimentary structures formed under water surface waves: examples from a sediment-laden flash flood observed by remote camera (Froude, M. J.; Alexander, J.; Cole, P.; Barclay, J.).

Click [here](#) to download the poster as PDF-file.

Melanie is a NERC funded PhD student in the School of Environmental Sciences at the University of East Anglia, UK, under the supervision of Prof. Jan Alexander, Prof. Jenni Barclay and Dr Paul Cole (University of Plymouth). Her research focuses on the dynamics of sediment-laden flash floods (lahars) occurring in the Belham River Valley, Montserrat, West Indies. Specifically, the work links flow observations by remote camera with sedimentary structures in deposits from the observed event. Her poster presented observations of lahars triggered by Tropical Storm Rafael in October 2012 and an analysis of sediments deposited prior to (by previous lahars) and during the October event. Time-lapse camera images captured the development of trains of water surface waves at multiple channel locations during different flow stages. At least 90% of the deposit was interpreted as upper flow regime origin, containing a number of lenticular facies, characteristic of those formed under water-surface-waves in the flume. Critically, her work has been conducted in a natural environment and contributes a modern example of architectural elements formed under upper flow regime conditions that may be referenced to assist in the interpretation of ancient sequences.



Sedimentary structures formed under water-surface-waves: examples from a sediment-laden flash flood observed by remote camera

Froude, M. J. (1), Alexander, J. (1), Cole, P. (2) and Barclay, J. (1)

(1) School of Environmental Sciences, University of East Anglia, Norwich, UK (m.froude@uea.ac.uk)
(2) School of Geography, Earth and Environmental Sciences, University of Plymouth, Plymouth, UK

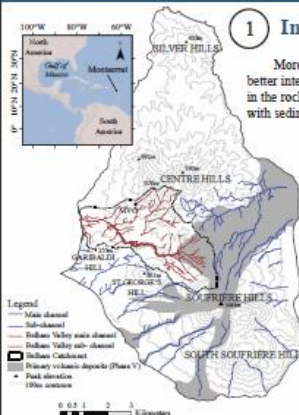
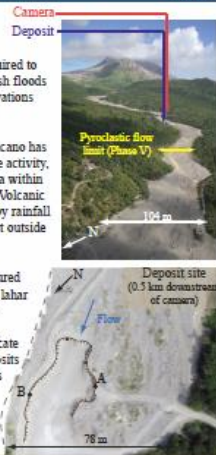


1 Introduction

More natural environment studies are required to better interpret sedimentary structures from flash floods in the rock record. This study links flow observations with sedimentary structures in the deposit.

Since 1995, the Soufrière Hills volcano has undergone five phases of explosive activity, depositing ~37 million m³ of tephra within the 15.35 km² Belham catchment. Volcanic sediments have been remobilised by rainfall triggered lahars; these flows persist outside phases of primary activity [1].

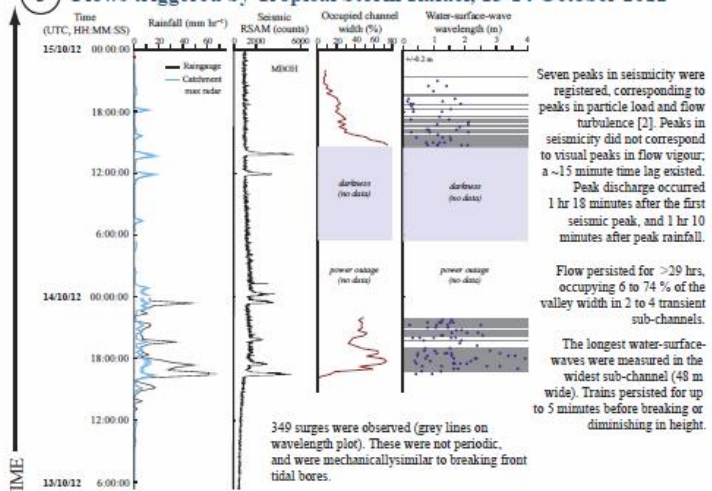
A remote monitoring camera captured time-lapse images of a significant lahar on 13-14 October 2012. Flow was strongly unsteady, turbulent. Suspended sediment samples indicate dilute streamflow. Upstream deposits and camera data indicate periods of hyperconcentrated flow.



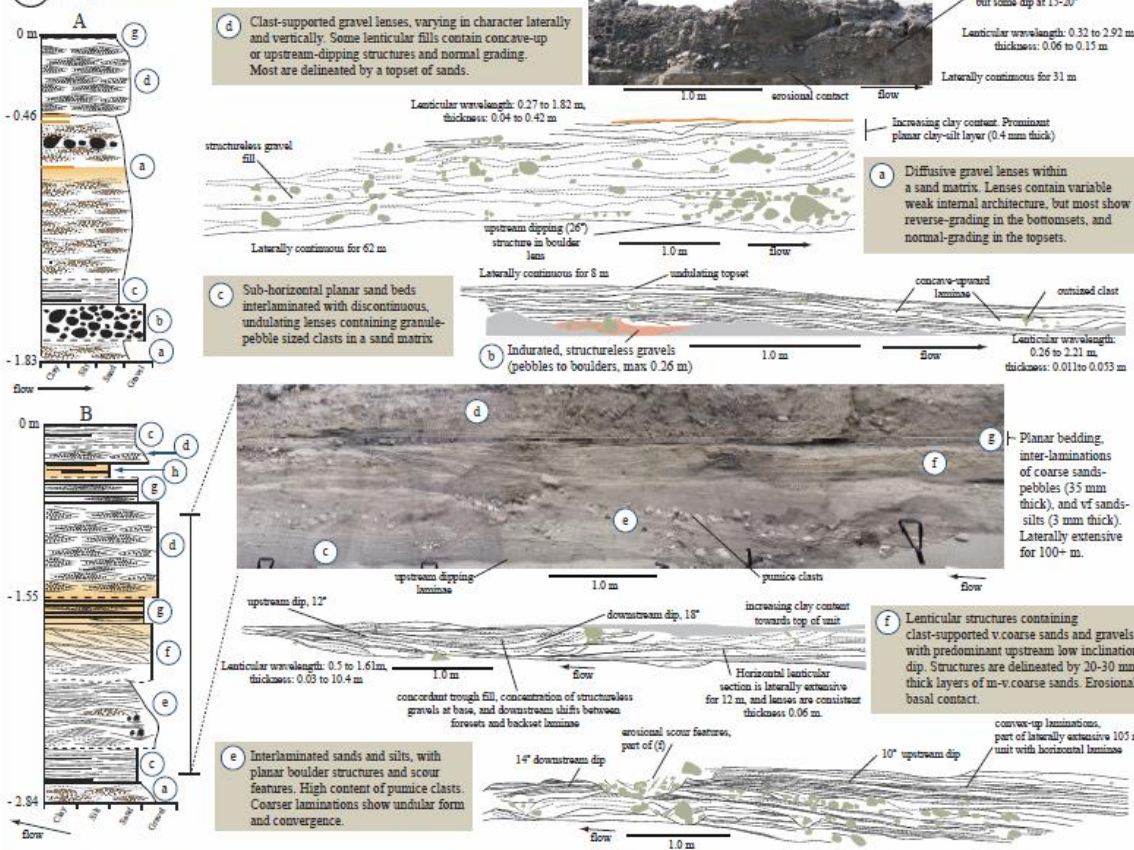
2 Lahars January 2009 to March 2013



3 Flows triggered by Tropical Storm Rafael, 13-14 October 2012



4 Deposit characteristics



5 Discussion

At least 90% of the deposit is interpreted as upper flow regime origin.

- Structures characteristic of those formed under water-surface-waves in the flume e.g. [3] and [4], are present in Facies (a), (c), (d), (e) and (f).
- Geometries of lenticular structures are within the range of water-surface-wave wavelengths measured from camera images of flows on 13-14 October 2012. However, only the upper ~0.5 m of the deposit is linked with the 2012 event and includes:
 - Facies (d) interpreted to have formed from breaking water-surface-waves
 - Facies (c) deposited during waning flow
- The frequency of surges limits the preservation of bedforms, mobilising boulders up to 40cm
- Deposits beneath Facies (b) in log B are attributed to lahars in 2010.

- The regularity of horizontal lenticular structures in Facies (f) is suggestive of antidunes formed under persistent water-surface-waves.
- Preservation of fine interlaminations in Facies (e) indicates a less turbulent flow regime (than the 2012 event).
- Facies (b) in log A is associated with deposition by a 'hot' lahar. Gravel-sized material indicates mobilisation by valley-wide large flow event.
- Shift from depositional to erosional regime in response to sediment availability from Phase V volcanic deposits.
- Water-surface-waves characteristic of both regimes.
- Downstream surges unlikely to be dominant feature of flows immediately preceding Phase V, based on facies associated to 2012 flow.

6 References

[1] Alexander, J. et al. (2010) Sediment-charged flash floods on Mount Meru. *J. Volc. Geotherm. Res.*, 194, [2] Dvorik, E. et al. (2011) Defining conditions for bedding and debiting in lahars. *Geol. Soc. Am. Bull.*, 123 (7) [3] Alexander, J. et al. (2011) Bedforms and associated sedimentary structures formed under water flow over aggrading and bed. *Sediment.*, 41, [4] Carling, M. et al. (2012) Morphodynamics and sedimentary structure of bedforms under unsteady-flow conditions: New insights from flume experiments. *Sediment.*, 42(1)

7 Acknowledgements

This study was funded by the Natural Environment Research Council. The monitoring camera was funded by an equipment grant from the School of Environmental Sciences, University of East Anglia. Camera installation, field work support and environmental data (seismicity) was provided by the Mount Meru Volcano Observatory.



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Patrick Grunert

Division Outstanding Young Scientists Award 2015

Stratigraphy, Sedimentology and Palaeontology



The 2015 Division Outstanding Young Scientists Award is awarded to Patrick Grunert for his contributions to understanding palaeobiologic, stratigraphic, geochemical and palaeoceanographic aspects of the Early Miocene.

Patrick Grunert finished his PhD thesis in 2011 at the Institute of Earth Sciences of the University of Graz (Austria), working on an integrated palaeobiologic, stratigraphic, geochemical and palaeoceanographic topic in the Early Miocene. His work led to a re-interpretation of the Early Miocene stratigraphy in the Central Paratethys but also to a new view from a palaeoceanographic perspective. Later on, Grunert extended his scientific vision into the Mediterranean and even onto a global scale dealing with climate changes in Antarctica which influenced the Mediterranean/Paratethys system via teleconnection.

Grunert has already gained deep insights into several fields in the Earth sciences, focusing on micropalaeontology, biostratigraphy, sequence stratigraphy and chemostratigraphy, as well as geochemistry and palaeoceanography and palaeoclimate. His committed work to gain micropalaeontological data acts as a sound base for his environmental interpretations. His outstanding scientific skills are his ability to put his results in a very general frame and to identify the overarching context.

For his excellent research results, Patrick Grunert received several national awards and was invited as keynote speaker at several international conferences. In 2011–2012, he sailed on the Joides Resolution in the course of IODP Expedition 339 (Mediterranean Outflow) as a leading scientist due to his expertise on benthic foraminifers and geochemistry. His scientific recognition is clearly reflected in invitations as visiting research fellow at the University of Cambridge (UK) and Rutgers University (USA).





RESEARCH TIME-LAPSE

PATRICK GRUNERT

Dept. of Earth and Planetary Sciences, Rutgers University, USA
Inst. of Earth Sciences, University of Graz, Austria



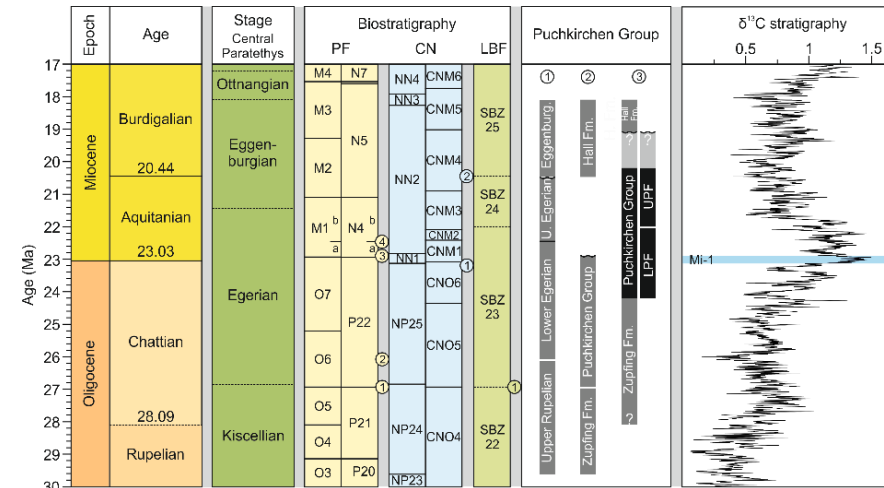
RUTGERS



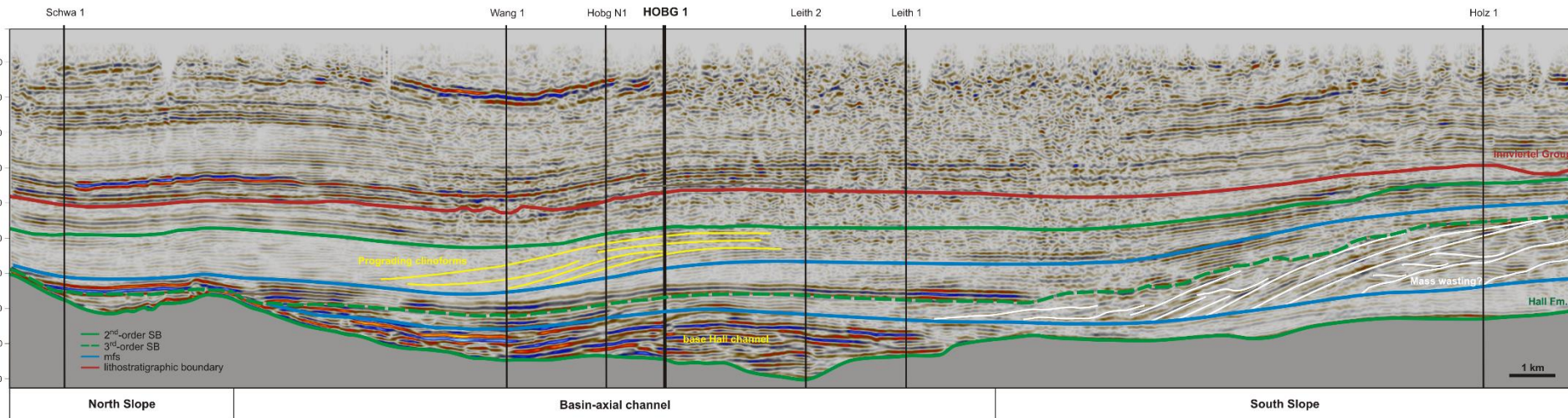
HISTORY OF THE PARATETHYS: THE OLIGOCENE-MIOCENE ALPINE FORELAND BASIN

Grunert et al., 2010a; 2010b; 2011; 2012; 2013; 2014; 2015

- Major sedimentary basin until early Miocene
- Mediterranean/Paratethys gateway
- Stratigraphic re-evaluation of key formations
- Facies model
- Benthic foraminifera, nannoplankton, sedimentology, seismic images, geochemistry

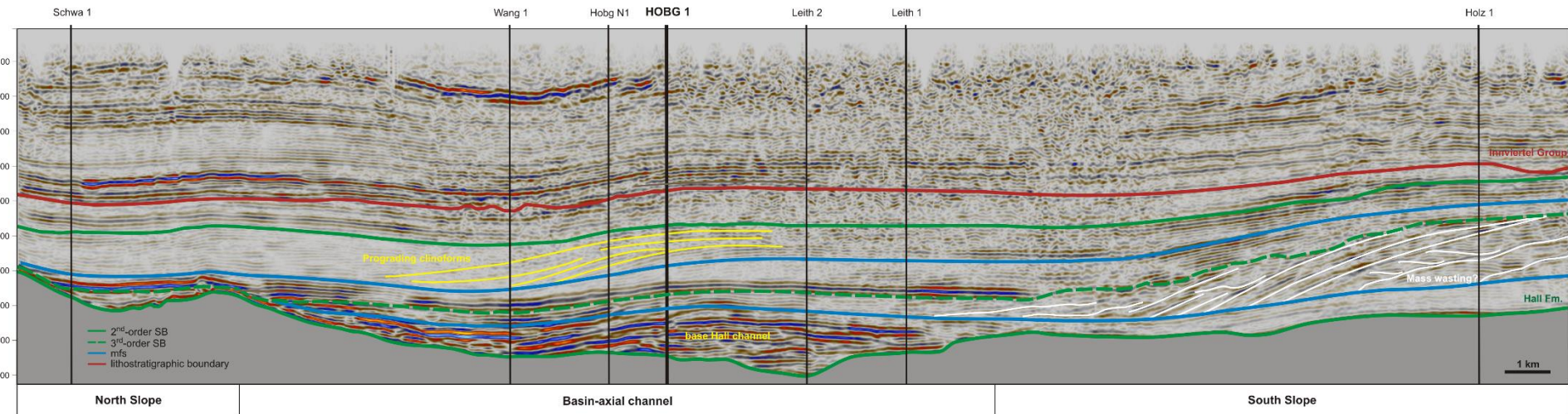
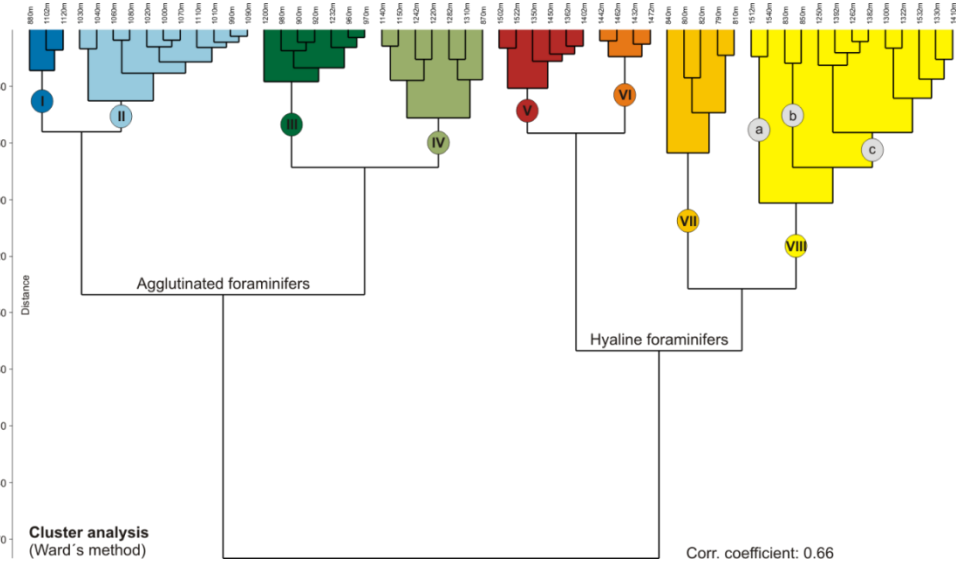
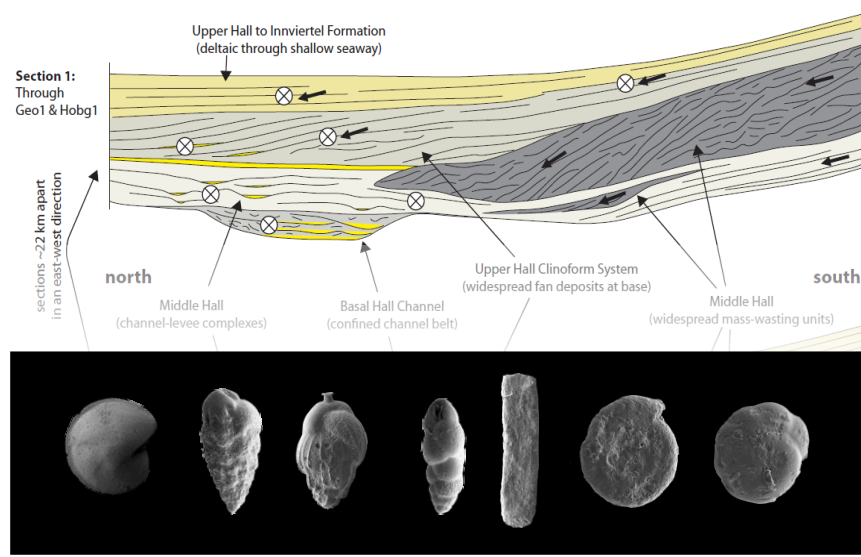


Biostratigraphic datums		Stratigraphic range of Puchkirchen Group (upper and lower Egerian in Bavaria)	
① <i>T. Pgr. opima</i> s. str.	① <i>B. H. carteri</i>	① SE Bavaria - Martini (1981), Hagn (1981), Reiser (1987), Wenger (1987)	
② <i>B. Gdes. primordius</i>	② <i>B. H. ampliapertura</i>	② Upper Austria, Salzburg - Küpper (1966), Küpper and Steininger (1975), Rögl et al. (1979), Rögl (1994), Rögl et al. (1998)	
③ <i>T. G. ciproensis</i>	③ <i>B. M. complanatus</i>	③ Hochburg 1 - this study	
④ <i>B. Gqu. dehiscens</i>			



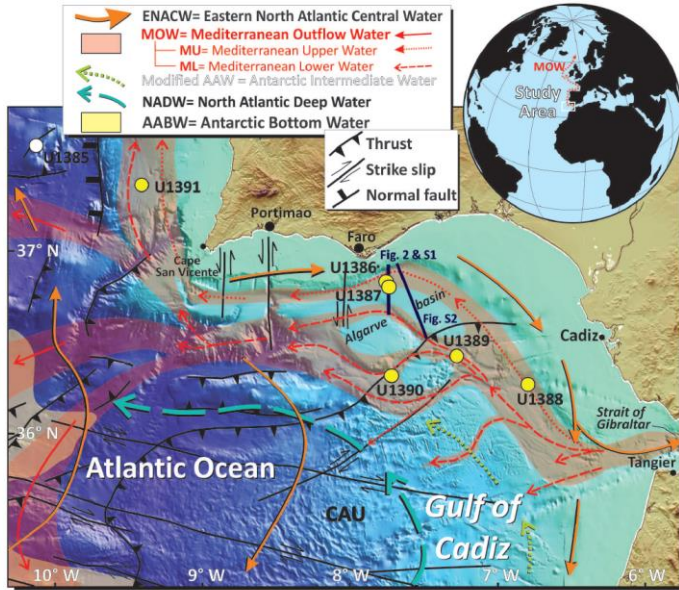
HISTORY OF THE PARATETHYS: THE OLIGOCENE-MIOCENE ALPINE FORELAND BASIN

Grunert et al., 2010a; 2010b; 2011; 2012; 2013; 2014; 2015

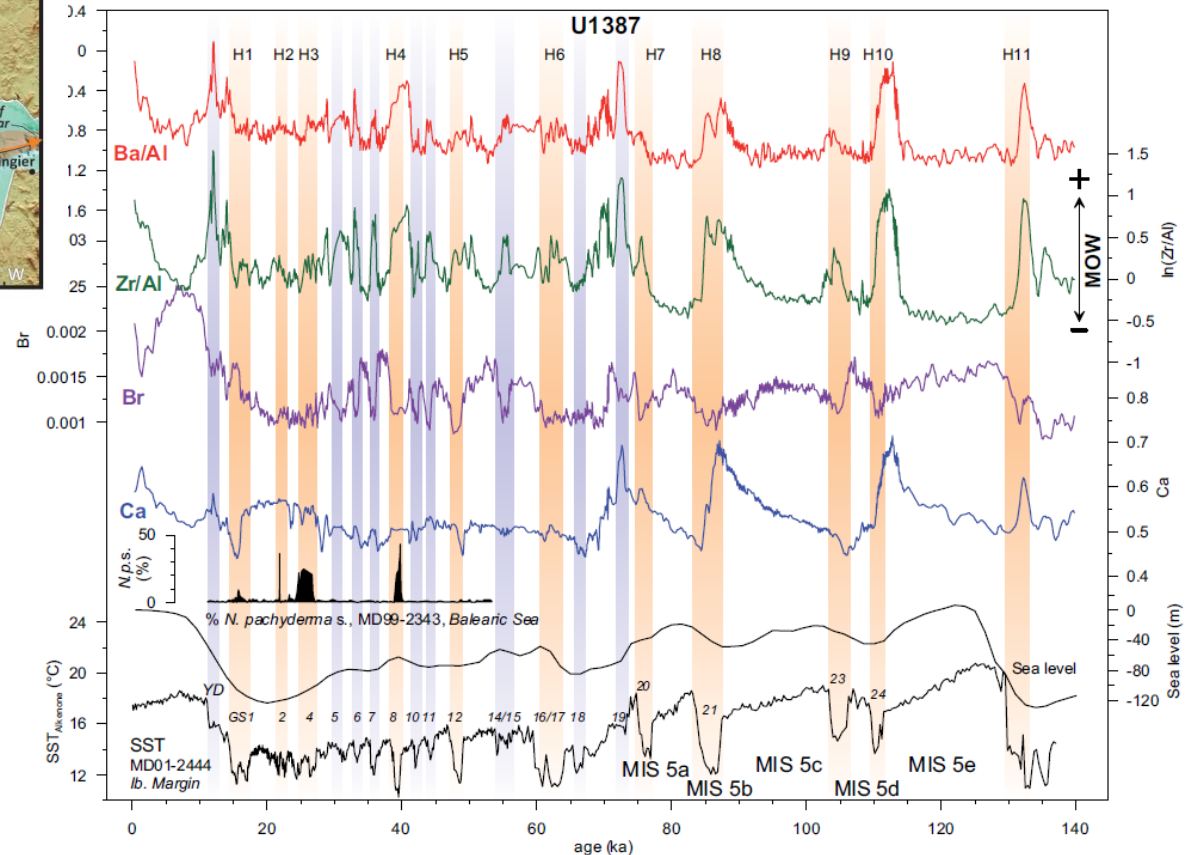


HISTORY OF THE MEDITERRANEAN OUTFLOW WATER (IODP EXP. 339)

Hernandez-Molina et al., 2014; Bahr et al., 2014; Van der Schee et al., under review; Garcia Gallardo et al., in prep.; Grunert et al., in prep.



- Proxies for bottom current reconstruction
- Benthic foraminifera
- Grain-size / sorting, winnowing
- Geochemistry (isotopes, trace elements)



EGU 2015-7712

Friday, 11:45, Room B1



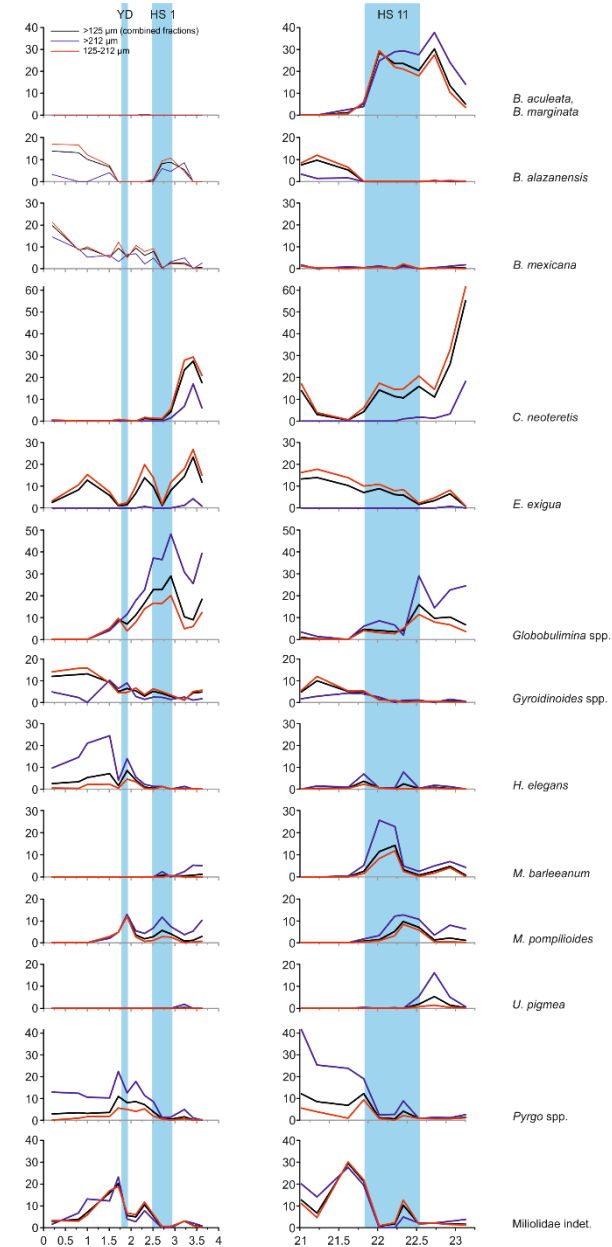
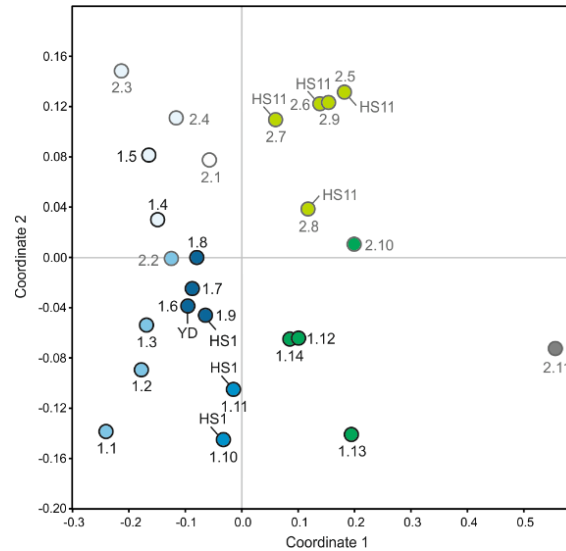
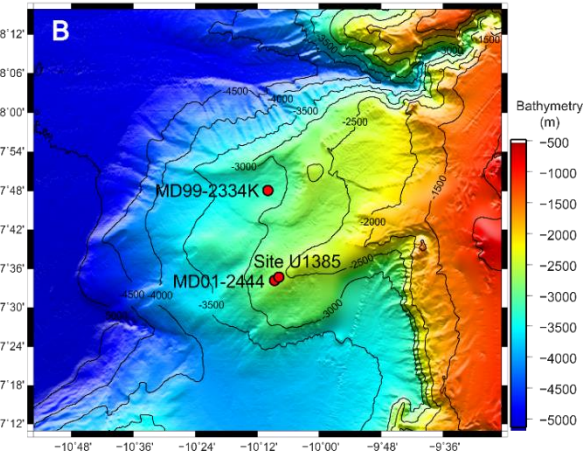
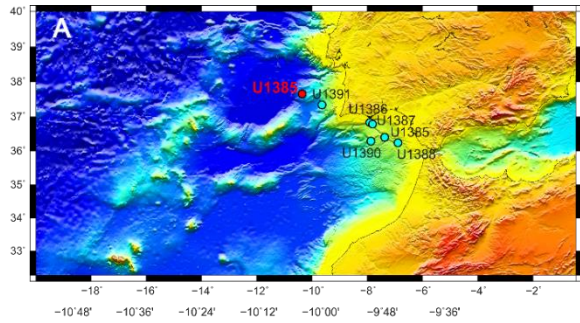
RUTGERS



A FORAMINIFERAL PERSPECTIVE ON GLACIAL/INTERGLACIAL TRANSITIONS

Grunert et al., under review; Rodriguez-Tovar et al., under review

- Complete faunal inventory > 125 μ m
- Taphonomic effects
- Proxies for BWT, O₂ and food





Famous past 'geologists' active in stratigraphy, sedimentology and palaeontology

(according to http://en.wikipedia.org/wiki/List_of_geologists)

|

Giovanni Arduino

Georges Cuvier

Grove Karl Gilbert

Hollis Dow Hedberg

James Hutton

Richard Leaky

Friedrich Mohs

Nicolas Steno

Christian Leopold von Buch

Jean-Baptiste Elie de Beaumont

Stephen Jay Gould

Jean de Heinzelin de Braucourt

William Christian Krumbein

Charles Lyell

Francis John Pettijohn

Pierre Teilhard de Chardin





OSP Procedure?!

Think about publications?!

What about the GA2016 Theme: Active Planet(s)?





Let's **prepare GA2015 - Possible topics** for the skeleton programme

Stratigraphy

Stratigraphic record of major events
New tools in stratigraphic research
Low-term history of sea-water
Sea-level proxies in the stratigraphic record
Mesozoic oceans
Palaeozoic
Cenozoic

Palaeontology

Palaeontology and climate analysis
Diversity studies
Terrestrial/marine palaeontology
Micropalaeontology and palynology
Early evolution of life

Sedimentology

Marine sediments
Carbonates
Speleothems
Fluvial sediments (HS)
Basin analysis
Ocean and continental drilling
Aeolian transport and sediments (SSS)
Methods in sedimentology (seismo + geoscience information)
Geochemistry and sedimentology (GMPV/TS)



Suggested themes for next GA:

- MARINE SEDIMENTS AND PROCESSES (co. HS)
- FLUVIAL SEDIMENTS AND PROCESSES (co. HS)
- DELTAIC SEDIMENTS AND PROCESSES (co. HS)
- BASIN ANALYSIS

- GLACIAL SEDIMENTS AND PROCESSES (co. CR)
- AEOLIAN SEDIMENTS AND PROCESSES (co. SSS)
- CLIMATE RECORD (co. CL)
- GEOPHYSICAL MASS FLOWS (co. NH/GMPV)

- METHODS IN SEDIMENTOLOGY (co. S & GI)
- GEOCHEMISTRY IN SEDIMENTOLOGY (co. GMPV)
- OCEAN AND CONTINENTAL DRILLING

- CARBONATES
- SPELEOTHEMS



Support the SSP Division by submitting proposals for sessions

Thanks to all Division Officers, Session Convenors and Authors

Wishing the new SSP team all success

Thanks for attending the SSP Division Business Meeting

**Join us for the Lamarck Medal Lecture
by Wolfgang Schlager on Thursday at 16h in ROOM B1**

**Enjoy EGU GA 2015
and see you at the EGU GA 2016 in Vienna**

