

# Biogeosciences Division

Alina Stadnitskaia

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Business Meeting | 21 April 2016



Biogeosciences

Division



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Meetings | Publications | Outreach | [www.egu.eu](http://www.egu.eu)

## AGENDA

1. Report on the 2015/2016 EGU Activities
2. EGU structure update
3. Report on the 2015/2016 BG Activities
4. BG structure update
5. Suggestions for the EGU 2017 Programme
6. BG Publications – BIOOGEOSCIENCES Journal -
7. Vladimir Vernadsky Medal
8. OSP awards
10. Medals & Awards
11. BG Awards
12. Suggestions regarding the Activities of the Union, such as Meetings, Publications and Outreach Activities
13. AOB

## Report on the 2016 EGU Activities

### EGU General Assembly 2016 facts

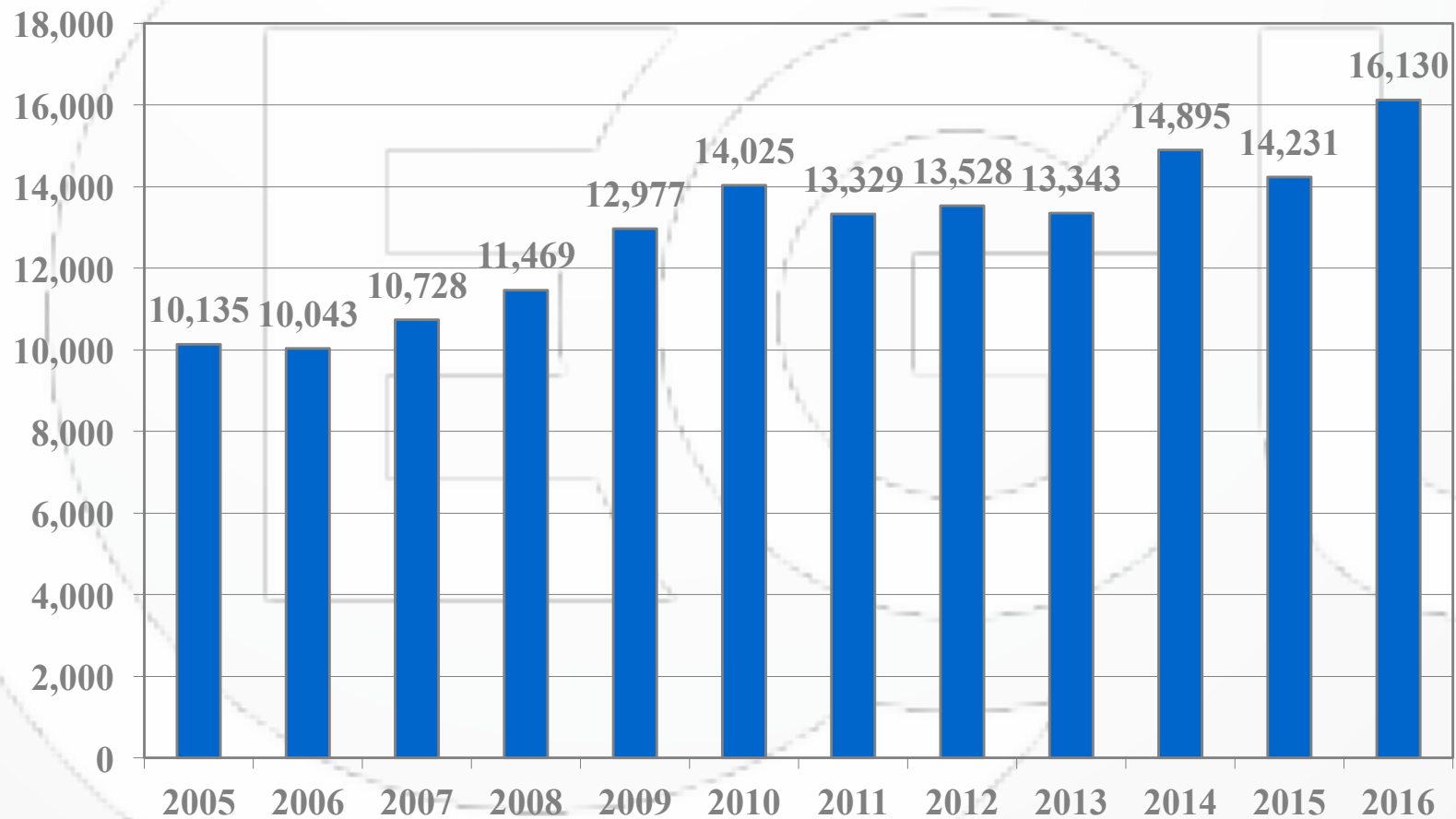
As of 14 April, the Assembly 2016 provides:

- 16,130 papers in programme | +13.34% (2015)
- 4,863 orals | 10,320 posters | 947 PICOs | ratio 30 / 64 / 6
- 619 unique scientific sessions | 321 side events\*
- 10,988 registrations in advance (10,943 already paid) | +23.68% (2015)

*\*Side events include: SSE (w/o US), OEM (w/o EOS), STM, FAN, AM*

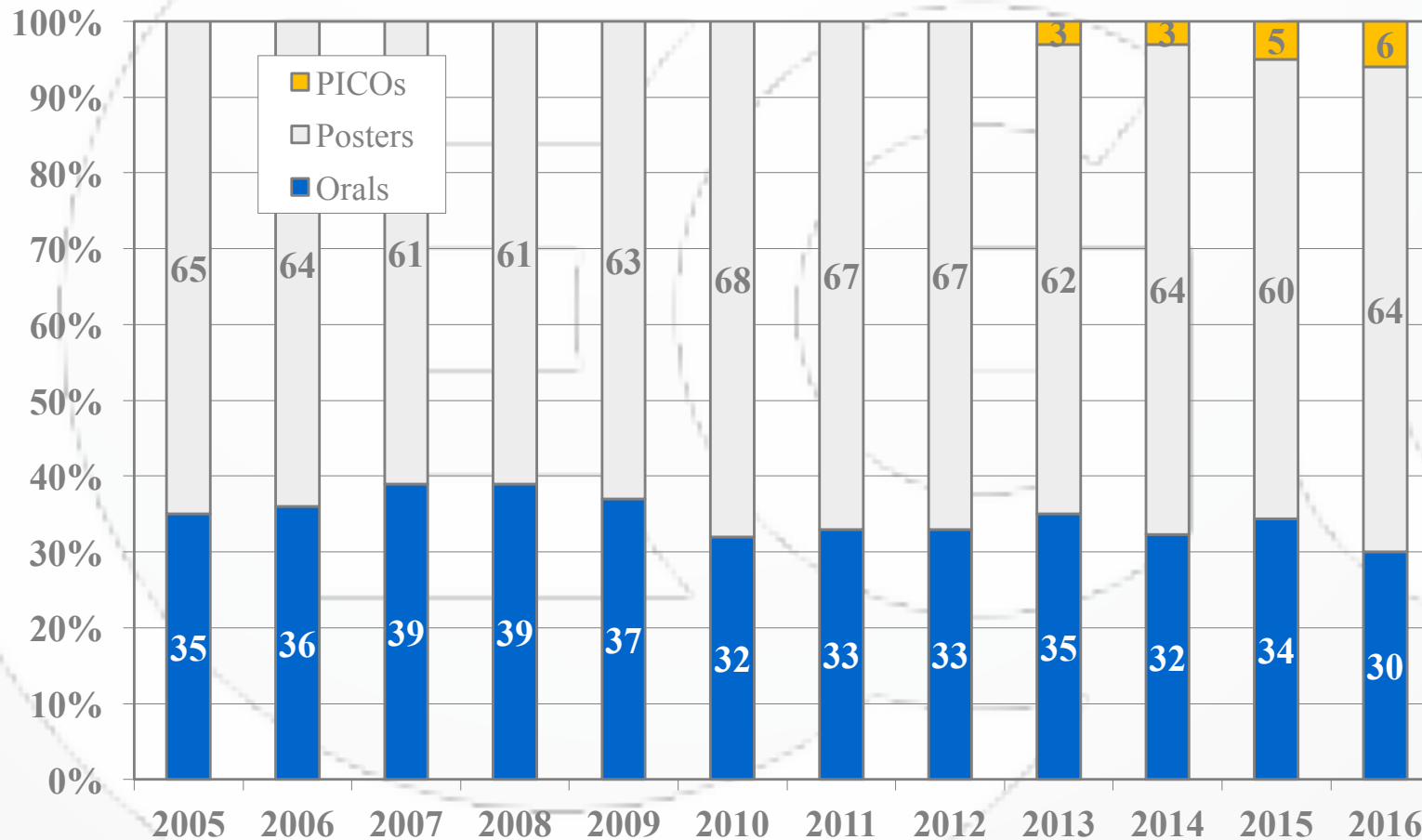
# Report on the 2016 EGU Activities

## Papers in programme 2005–2016



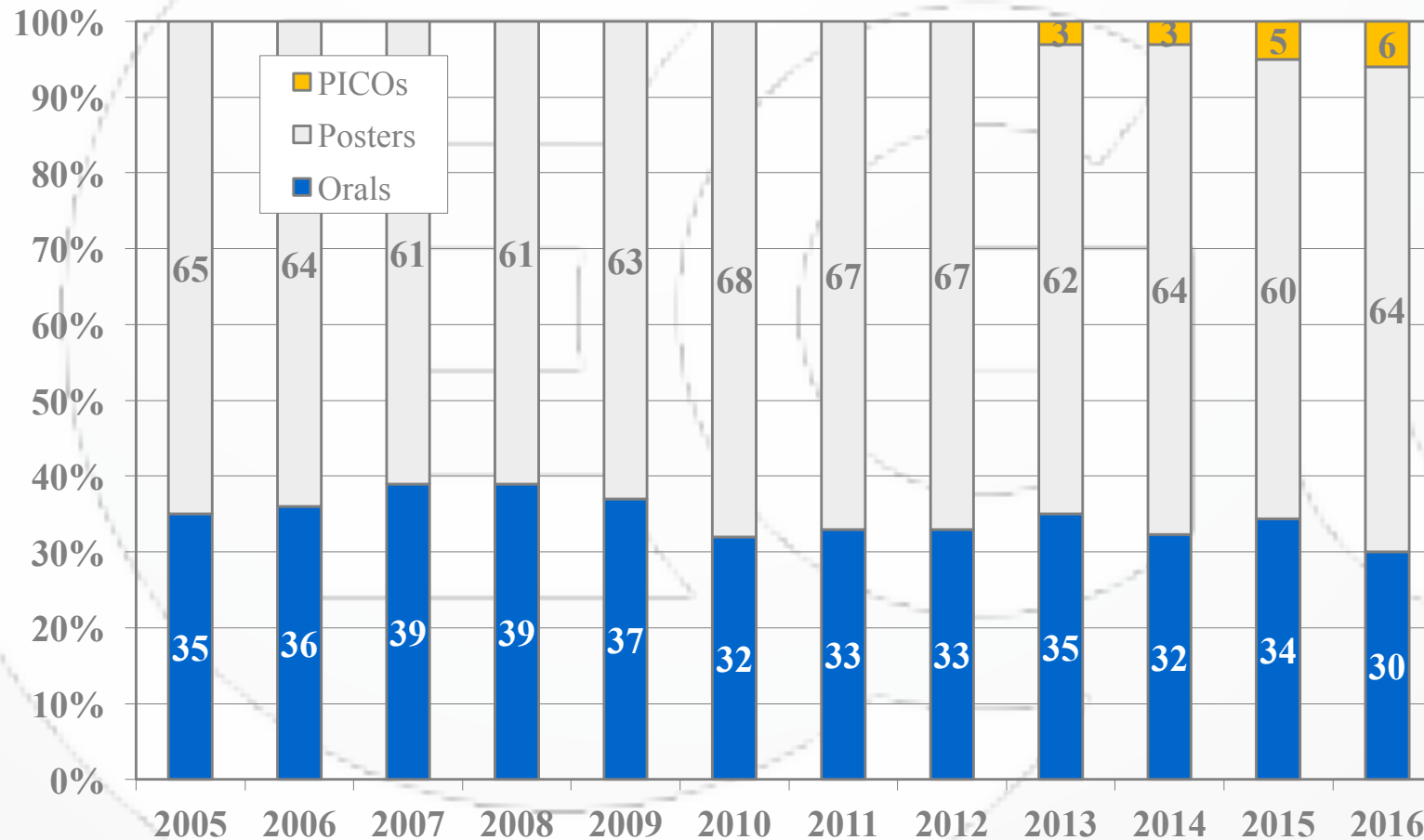
# Report on the 2016 EGU Activities

## Presentation ratio 2005–2016



# Report on the 2016 EGU Activities

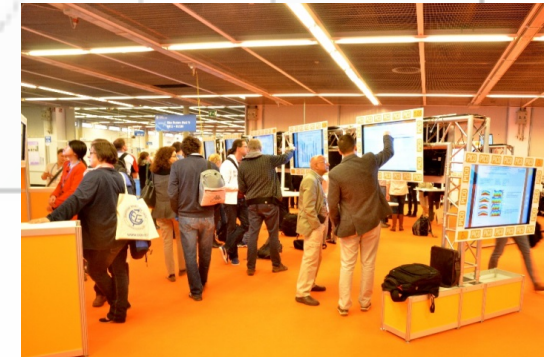
## Presentation ratio 2005–2016



# Report on the 2016 EGU Activities

## The concept of PICO

**ONLY at EGU**



- Sample session: 40 abstracts = 6 orals (1 block) and 34 poster
- Oral sessions: + audience | – just six contributions in one time block
- Poster sessions: + networking | – too many posters in one time block
- PICO: combination of short introductions and display presentations
- Add-on: touch screens instead of poster boards, interactive content

## A PICO session

- PICO Spot: combination of lecture room and touch screens
- Sample session: 40 abstracts = 2 x 20 PICOs (2 time blocks)
- Time block starts with 20 x 2-minutes-madness for the audience
- Afterwards, audience moves to the 20 touch screens
- Each touch screen holds all presentations of that session
- Each author gets one touch screen in the order of the 2-minutes-madness
- The scheduled presentation is already open and can be presented
- Author and visitor can also switch to other PICO presentation for comparison
- Extra touch screens show the daily content for individual consumption





## EGU Structure update

Current President: Hans Thybo



Outgoing President: Günter Blöschl



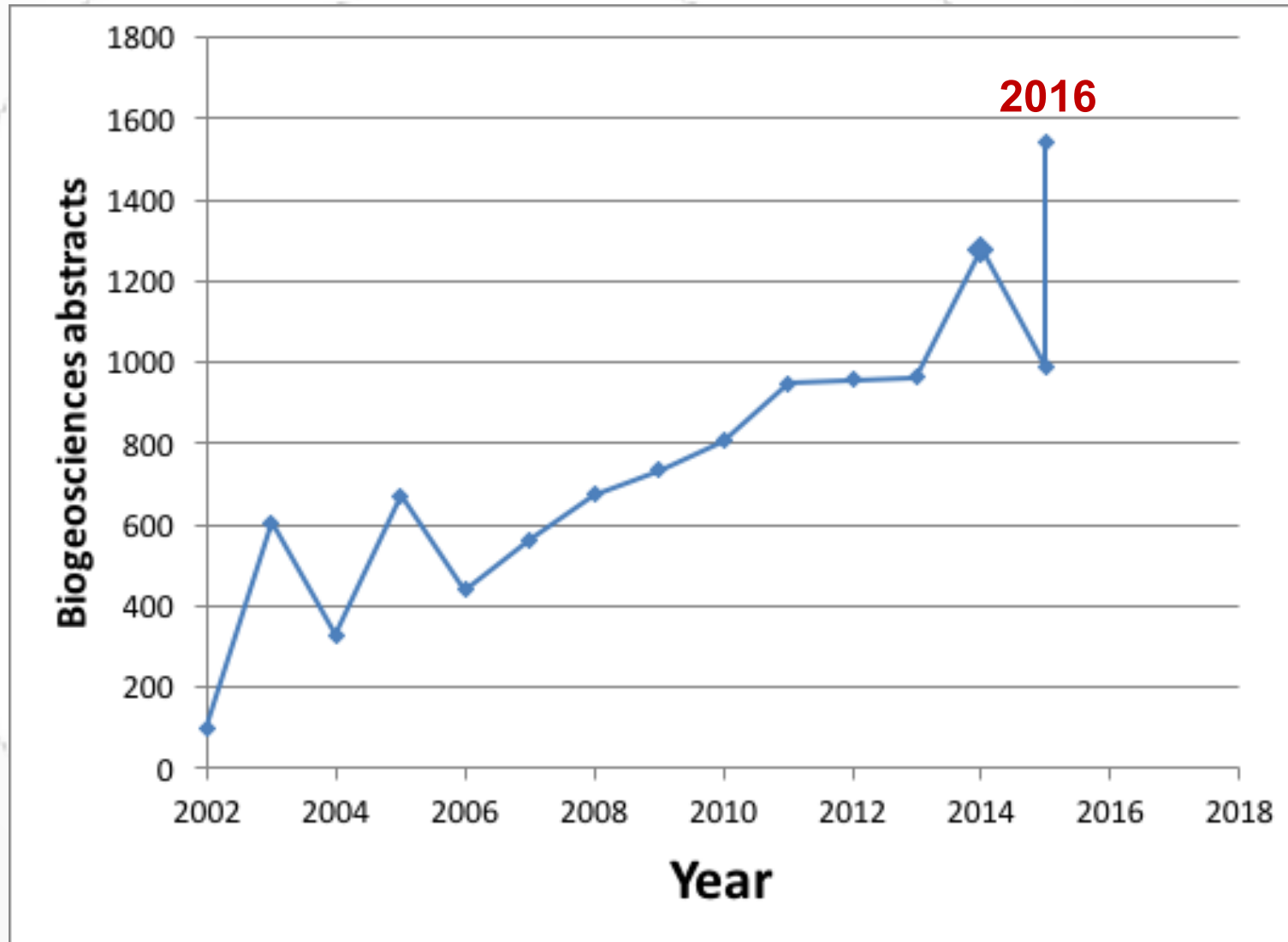
EGU office in Munich, Executive Secretary:  
Philippe Courtial



Media and Communications Manager:  
Barbara Ferreira.



## Report on the BG activities



# Report on the BG activities

## Program Group Statistics

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>BG sessions</b>	9	17	13	23	25	21	33	32	32	36	27	36	30	<b>42</b>	<b>64</b>
<b>Co-organised intersessions</b>						-11	(9)	(8)	(5)	(15)	(12)	(12)	(29)	<b>(12)</b>	<b>(25)</b>
<b>Oral presentations</b>	71	230	178	204	152	202	236	240	227	317	303	329	394	<b>381</b>	<b>439</b>
<b>posters</b>	28	376	149	468	287	361	439	493	579	631	654	619	833	<b>536</b>	<b>971</b>
<b>PICOs</b>												13	50	<b>74</b>	<b>130</b>
												1%	4%	<b>7%</b>	<b>8%</b>
<b>Total:</b>	99	606	327	672	439	563	675	733	806	948	957	961	1277	<b>991</b>	<b>1540</b>

## BG Structure update

### Biogeosciences Division Council

**President:** Alina Stadnitskaia(NL) – should go in 2017 (!!!!)

**Deputy President:** **HAS TO BE APPOINTED**

#### **Science Officers:**

- |   |                               |
|---|-------------------------------|
| 1. General Biogeosciences                   | Alina Stadnitskaia            |
| <b>2. <i>Terrestrial Biogeosciences</i></b> | <b><i>Cornelia Rumpel</i></b> |
| 3. Marine Biogeosciences                    | Caroline Slomp                |
| 4. Freshwater Biogeosciences                | Christian Blodau              |
| 5. Earth System Biogeosciences              | Andy Ridgwell                 |
| 6. Paleo Biogeosciences                     | <b>HAS TO BE APPOINTED</b>    |
| 7. Geomicrobiology & Extreme Environments   | Helge Niemann                 |
| 8. Astrobiology & Early Evolution of Life   | <b>HAS TO BE APPOINTED</b>    |
| 9. Industrial Biogeosciences & Technology   | Alina Stadnitskaia            |

## BG Structure update

### Scientific Officer for the Terrestrial BG



The French National Research Centre (CNRS) at the Institute of Ecology and Environment.

#### Research expertise and interests:

- Terrestrial biogeochemical cycling in the soil-plant-atmosphere continuum.
- Dynamics of terrestrial organic matter at the molecular scale.
- Origin and fate of terrestrial organic matter in soils, sediments and coal mining areas, in natural and managed ecosystems.
- Temperature and tropical environments.

## BG Structure update

### Biogeosciences Division Council

Publications

Awards & Medals

Vladimir Ivanovich Vernadsky

Medal Committee

Jürgen Kesselmeier

Jörn Peckmann (Chair)

Caroline Slomp

Gerd Gleixner

Giovanni Aloisi

Gerhard Herndl

Donald Canfield

Early Career Scientists Representative  
and Public Outreach and Education Officer

Scientific Affairs


Foreign Affairs

Jasper Bloemen

Alina Stadnitskaia


Alina Stadnitskaia

# BG Early Career Scientists



## Early Career Scientists!

Want to know what activities there are for ECS at the General Assembly? Visit [www.egu.eu/ecs/at-the-assembly](http://www.egu.eu/ecs/at-the-assembly)



That's not all! You can find out more about what the EGU does for early career scientists at [www.egu.eu/ecs](http://www.egu.eu/ecs)

[www.egu.eu/ecs](http://www.egu.eu/ecs)



## Early Career Scientist Specials

Did you know that about half of EGU General Assembly participants are Early Career Scientists? If you are one, check our board of specials below!



- ECS Meeting Corner at the Opening Reception (Foyer E)
- ECS Lounge, near Foyer C on 2nd Floor (Red Level)
- Meet EGU's ECS Representative, Tue, 09:15–10:30 (EGU Booth)
- ECS and Medallist Reception, Tue, 19:00–20:30 (F2)
- EGU ECS Forum, Wed, 12:15–13:15 (Room L1)
- Outstanding Poster and Pico (OSPP) Award

Want to know what else there is for ECS at the General Assembly? Visit [www.egu.eu/ecs/at-the-assembly](http://www.egu.eu/ecs/at-the-assembly)

## BG BLOG

<http://blogs.egu.eu/divisions/bg/>

### ABOUT

Welcome to the blog of the Biogeosciences (BG) Division of the European Geosciences Union (EGU). Here, you will find mainly early career scientists bloggers writing about the latest research on all aspects of the interaction between life and the geo-, hydro-, and atmosphere. The blog is run with great enthusiasm by Jasper Bloemen, Rachael Moore and Diana Ochoa. If you want to contribute to this blog, please get in touch with the editor, **Jasper Bloemen**.



## SUGGESTIONS FOR EGU 2017

### General Assembly 2017

- » The 2016 program will be remained the same from the current "skeleton program".  
However, you can still:
  - Suggest 5-6 general scientific directions that can “accommodate” a wide range of sub-divisions.
  - New sessions and existing sessions - confirm/cancel.
  - Motivate young scientists to convene.
  - Involvement of scientists working for industry – bring together.
- » Topical conferences/meetings (200 people max) - **EGU Galileo conferences.**
- » Suggestions can be made from **NOW to about July 2015:**
  - Tentative session title.
  - Aim of the session.
  - Name and email address of convener(s).
  
- » Call for sessions mid-July
- » Programmed finalized in September 2015
- » Call for abstracts in October 2015

## SUGGESTIONS FOR EGU 2017

# Meetings, Medals & Young Scientists

### Meetings Calendar

- A hub of information on conferences and workshops in the geosciences. Add your meeting at [www.egu.eu/meetings/calendar/form](http://www.egu.eu/meetings/calendar/form)

### Awards & Medals

- Nominations are open until 15 June [www.egu.eu/awards-medals](http://www.egu.eu/awards-medals)

### Young Scientists

- Young scientists (YS) can find out how to get involved in the Union & benefit from our YS resources at [www.egu.eu/young-scientists](http://www.egu.eu/young-scientists)

### Jobs

- We advertise geoscientific jobs for free at [www.egu.eu/jobs](http://www.egu.eu/jobs) add yours, or look for a new position
- EGU Galileo Conferences are named in honour of Galileo Galilei, the famous Italian physicist, philosopher, astronomer and mathematician, universally recognised as the founder of modern science.

## SUGGESTIONS FOR EGU 2017



**EGU General Assembly 2014 + 10 years**  
Location: Vienna, Austria

## BG PUBLICATIONS

Publications..... Jürgen Kesselmeier



Report Vienna 2016

Biogeosciences

Division



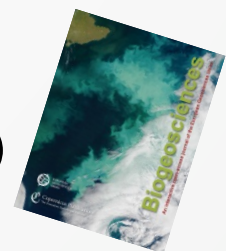
**Biogeosciences**

## ***Biogeosciences (BG) and Biogeosciences Discussions (BGD)***

Publisher: Copernicus GmbH  
on behalf of the  
European Geosciences  
Union (EGU).

**BG is an open access journal.**

Coccolithophore bloom in the  
Bering Sea (image credit NASA)



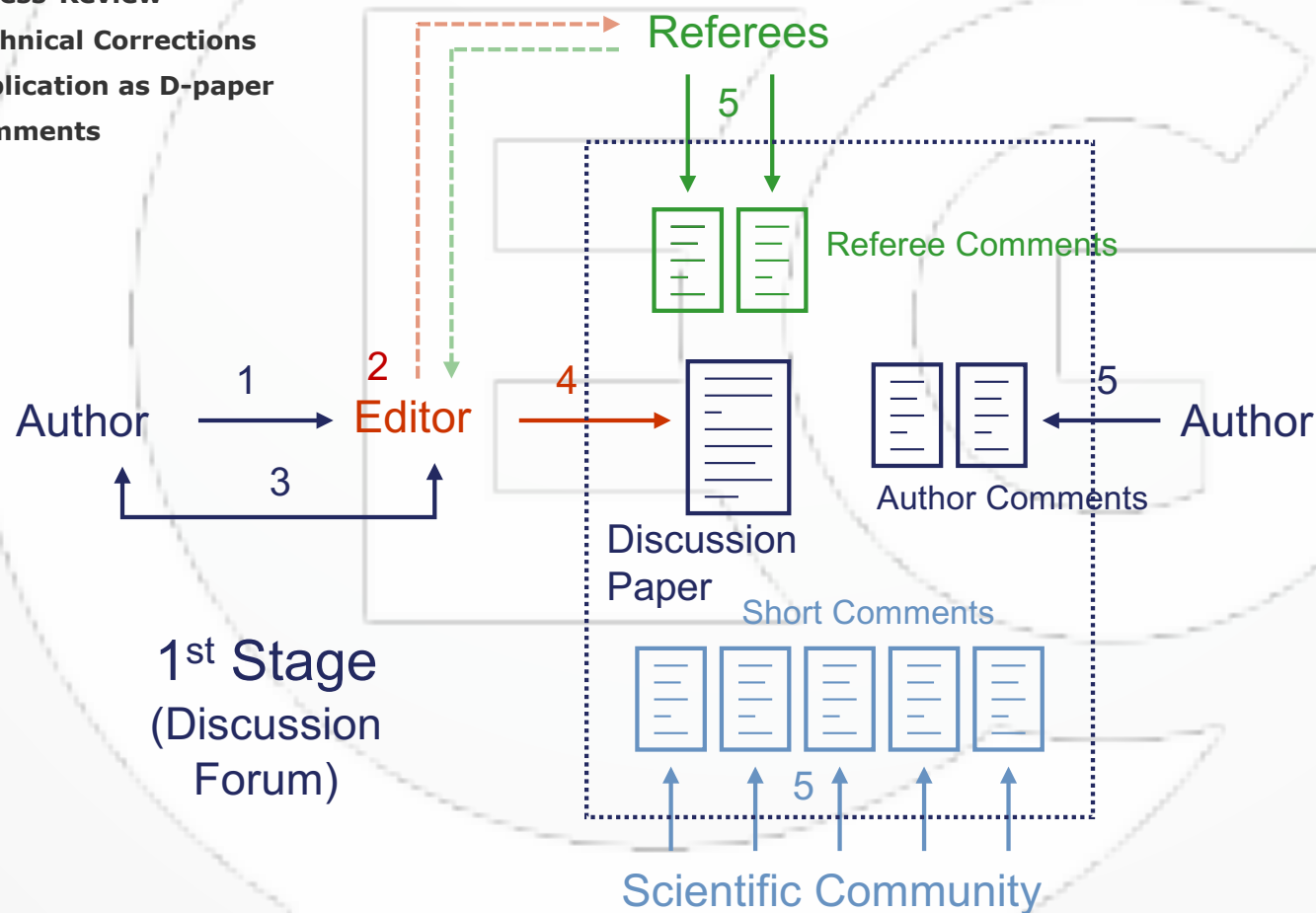
# TWO STAGE PUBLICATION PROCESS

## STEP 1

### Interactive Journal Work Flow



1. Submission
2. Access-Review
3. Technical Corrections
4. Publication as D-paper
5. Comments



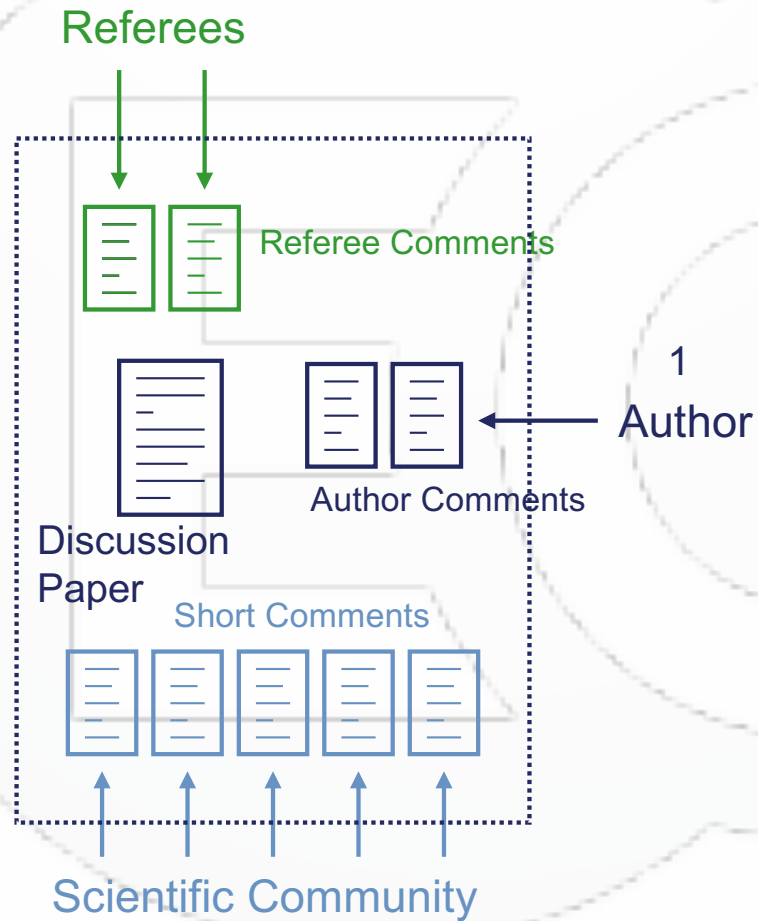


## TWO STAGE PUBLICATION PROCESS

### STEP 2

### Post-discussion editor decision – workflow

1. Final response
2. Post-discussion editor decision  
Minor Revision  
Major revision  
Reject
3. Revision
4. Peer-review completion
5. Final revised publication



## Open access



## Biogeosciences

The complete review process, referee comments, open comments and authors answers are public, archived and citable as well.

Both, Discussion from contributions as well as BG papers are archived and fully citable - Ideas and rights of authors are fully protected from the beginning.

Coverage of costs by authors, as there is no other income for the publisher.

**Copyright stays with the authors.**







## New library concept

The first step is that manuscripts submitted to interactive journals will no longer go through typesetting and proofreading before their publication as a discussion paper. Thus, they will **look less like a publication and more like pre-print papers**. The discussion paper will be the **PDF uploaded by the author, with an added header and footer indicating the journal to which the manuscript was submitted for review and assigning a doi**. The manuscript will still be citable, but the citation (which will appear in the footer of the author's PDF) will indicate that the paper is under review.

In order to stress that the discussion paper is only a step toward the final paper, **discussion papers will no longer be archived in volumes and issues** in a separate online library. With the new concept, a final revised paper and its corresponding discussion paper are archived together. There will be a main page that includes all the information relating to the paper in separate tabs, such as metrics, related articles, the list of peer-review comments and the discussion paper.





## **New payment concept**

Authors publishing in one of the interactive journals pay article processing charges (APCs) for the final peer-reviewed article. As type-set discussion papers had a different format and layout than final papers, the discussion-paper style resulted in three times more pages than the final manuscript style.

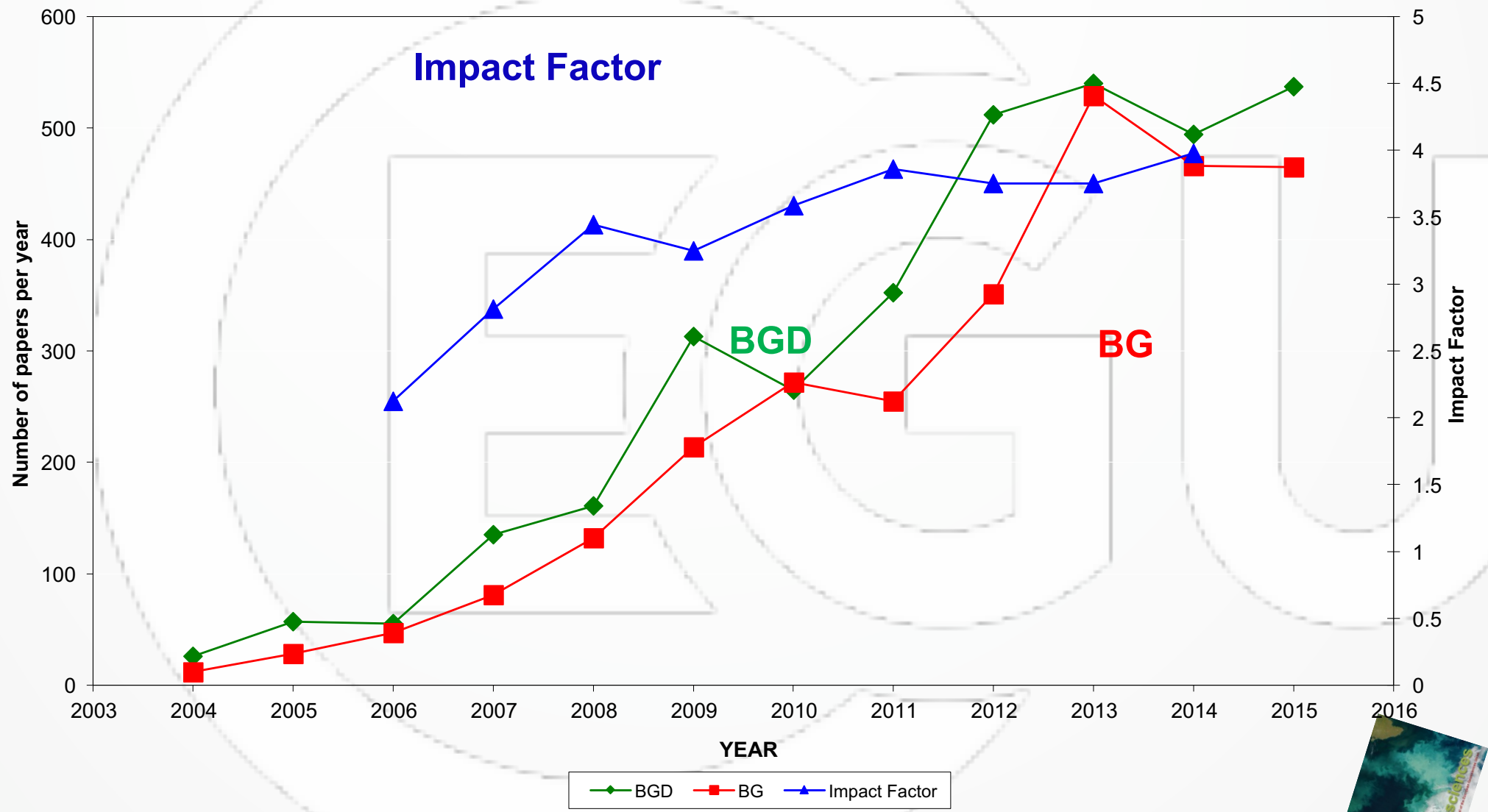
The overall cost of publishing a paper will be roughly the same.



# Publication Record 2015



## Biogeosciences



Submissions and Publications 1<sup>st</sup> January to 31<sup>st</sup> December 2015

Submissions	BGD	BG
Total	646	482
Regular Papers	502 (77.7%)	374 (77.6%)
Special Issue Papers	144 (22.3%)	108 (22.4%)

Publications	BGD	BG
Total Papers	537	465
Regular Papers	409 (76.2%)	354 (76.1%)
Special Issue Papers	128 (23.8%)	111 (23.9%)
Total Pages	20261	7288
Regular Pages	15197 (75%)	5399 (74.1%)
Special Issue Pages	5064 (25%)	1889 (25.9%)
Pages per Article	Average 38, Median 37, Min 6, Max 99	Average 16, Median 15, Min 4, Max 43



Submissions processed 1<sup>st</sup> January to 31<sup>st</sup> December 2015

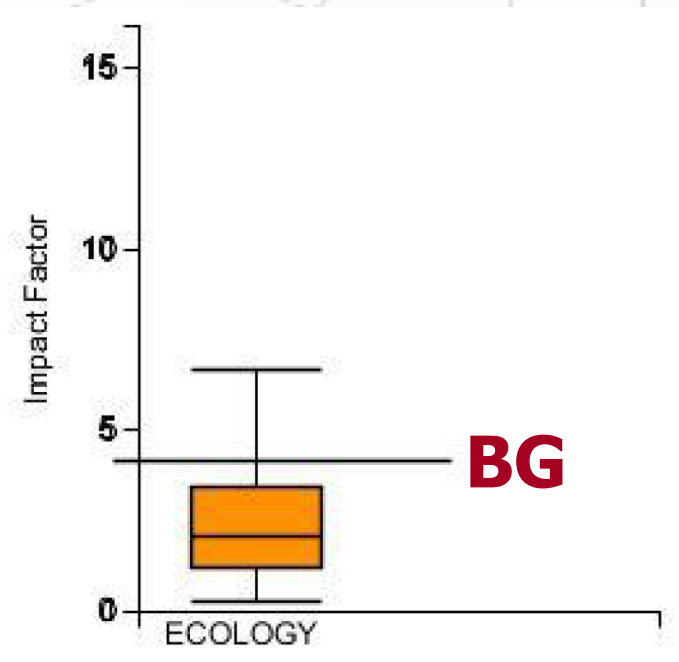
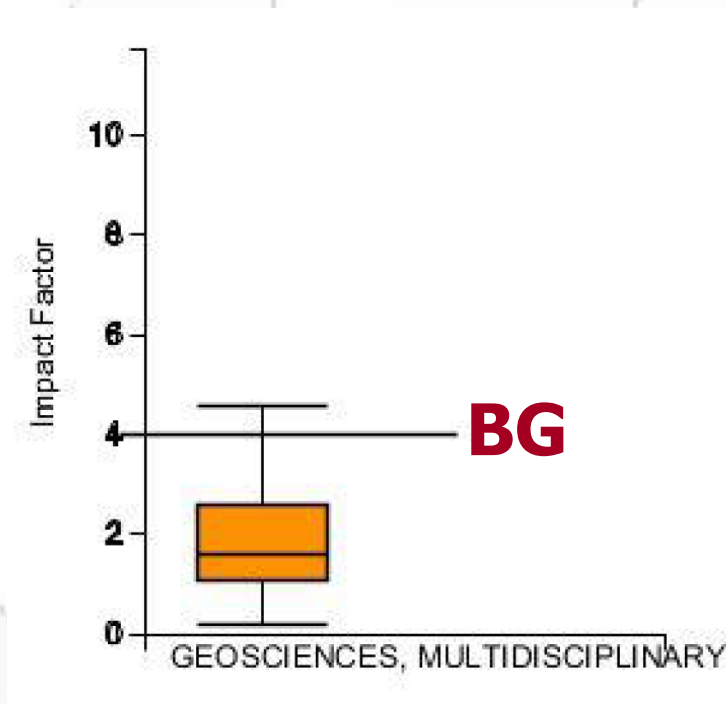
Reviews	BGD		BG	
Total	653		571	
Withdrawn	3		0	
Still in Review	1		19	
Total Decisions	649		552	
Accepted	537 (82.7%)		507 (91.8%)	
Thereof				
initially	297	(55.3%)	127	(25%)
after one revision	232	(43.2%)	250	(49.3%)
after two revisions	8	(1.5%)	113	(22.3%)
after three revisions			17	(3.4%)
Rejected	112 (17.3%)		45 (8.2%)	
Thereof				
initially	111	(99.1%)	27	(60%)
after one revision	1	(0.9%)	16	(35.6%)
after two revisions			1	(2.2%)
after three revisions			1	(2.2%)



## Ranking of BIOGEOSCIENCES in 2014 according to JCR (Thomson Reuters)

Geosciences, Multidisciplinary 10 (175)

Ecology 25 (145)



## TURNAROUND TIMES in 2015

BGD Processing of published Papers	Average	Median	Min	Max
Submission to Decision for Publication (days)	24	16	0	176
Submission to Associate Editor Assignment (days)	11	6	0	57
Associate Editor Assignment to Initial Decision (days)	3	2	0	43
Number of nominated Referees	11	7	2	73
Number of agreed Referees	3	2	0	7
Number of Referee Reports	2	2	0	4
Referee Call to Referee Agreement (days)	3	2	0	32
Referee Agreement to Referee Report (days)	8	9	0	42
Last Referee Report to Decision for Publication (days)	21	15	0	115
Associate Editor Assignment to Decision for Publication (days)	13	5	0	146
Decision for Publication to Publication (days)	25	22	7	151
Decision for Publication to Production File Upload (days)	4	3	0	53
Production File Upload to 1 <sup>st</sup> Proofreading (days)	12	12	1	35
Production File Upload to Publication (days)	20	19	3	149
Discussion Start to Referee Comment (days)	45	37	0	179
Discussion Start to Final Response (days)	69	58	54	171

*to be summed up for total turnaround*

Submission to publication: 49 Days (Av)

Discussion Phase: 69 Days (Av)



## TURNAROUND TIMES in 2015

BG Processing of published Papers	Average	Median	Min	Max
Final Response to Revised Submission (days)	48	42	1	285
Revised Submission to Decision for Publication (days)	31	17	0	277
Number of nominated Referees	3	2	1	37
Number of agreed Referees	2	2	0	5
Number of Referee Reports	2	2	0	4
Referee Call to Referee Agreement (days)	4	3	0	28
Referee Agreement to Referee Report (days)	11	10	0	65
Last Referee Report to Decision for Publication (days)	36	19	0	249
Decision for Publication to Publication (days)	30	25	7	560
Decision for Publication to Production File Upload (days)	5	3	0	205
Production File Upload to 1 <sup>st</sup> Proofreading (days)	14	11	2	77
Production File Upload to Publication (days)	25	21	6	355

→ *to be summed up for total turnaround: 109 Days*



## Current service charges

	Price per journal page	Description
<b>Category 1</b>	€75 net	LaTeX submissions using the <b>Copernicus Publications LaTeX Package</b>
<b>Category 2</b>	€90 net	Word submissions using the <b>Copernicus Publications Word Template</b>
<b>Category 3</b>	€105 net	LaTeX submissions causing higher expenditure of work due to any LaTeX style and/or difficulties with tables/figures
<b>Category 4</b>	€120 net	Word submissions causing higher expenditure of work due to any Word style and/or difficulties with tables/figures

### Discussion papers published after 1 January 2016

Suppose a manuscript contains 10 pages with 57,000 characters, 2 figures, and 1 table. Since figures and tables are embedded in the text of final journal papers, the article will probably have 11 pages. For Category 1, this will result in 11 pages × €75 = €825 net + 19% German VAT.

## Current service charges

### What is included in the Article Processing Charges?

- All online tools for authors and reviewers;
- Professional processing of figures and movies;
- Typesetting, editing and formatting in PDFLaTeX;
- English language copy-editing for Final Revised Papers;
- Immediate Open Access publication of each article;
- Article alert service;
- Inclusion in the Copernicus Online Library;
- Indexing in international scientific databases and reference services;
- Long-term e-archiving via Portico and CLOCKSS as well as printed archiving via copyright libraries

## Article processing charge waivers

If the authors are not eligible for any financial support scheme, they are asked to contact Copernicus Publications Editorial Support **after access review prior to publication of their paper in the discussion forum** to apply for a partial or full waiver of the article processing charges (APCs), which will be granted upon support by the handling editor and approval by the respective chief editor.

# Business Report

<b>BG</b>		
Subscriptions	€12,220.78	
APCs	€592,694.00	
Running costs		€6,981.11
Bank and credit card fees		€6,055.06
Printing and mailing		€10,860.68
Advertisements		€113.93
Copernicus – copy-editing costs		€84,588.39
Copernicus – working hours (6338)		€494,364.00
<b>Totals</b>	<b>€604,914.78</b>	<b>€602,963.17</b>
<b>Surplus 31 Dec 2015</b>	<b>€1,951.61</b>	

# Business Report

## Summary for journals

Item	Total
<b>Incomes</b>	
Subscriptions	€83,470.83
Offprints	€936.96
APCs	€3,345,349.47
<b>Expenditures</b>	
Running costs	€52,242.78
Bank and credit card fees	€37,295.61
Printing and mailing	€66,795.85
Advertisements	€3,822.13
Journal receptions	€8,389.30
Copernicus – copy-editing costs	€546,740.50
Copernicus – working hours	€2,997,228.00
<b>Total incomes</b>	<b>€3,429,757.26</b>
<b>Total expenditures</b>	<b>€3,712,514.17</b>
<b>Incomes – expenditures</b>	<b>-€282,756.91</b>

### Reasons for imbalance:

Investments for **full-text XML typesetting**, improved services in image processing, language correction in images and tables, as well as more standardization in the typesetting process.

€227,000 support for younger or converted journals.

Future balance: No production of discussion papers **will save around €500,000 in 2016**



## **Outstanding Editors**

**Gerhard Herndl** in 2014

**Jack Middelburg** and **Paul Stoy** in 2015

**Thank you.**

## OUTSTANDING EDITOR AWARD



**Prof. Gerhard Herndl**

For Gerhard's outstanding contribution to the Biogeosciences as an editor for the year 2014.



## OUTSTANDING EDITOR AWARD



**Prof. Jack Middleburg**

For Jack's outstanding contribution to the Biogeosciences as an editor for the year 2015.

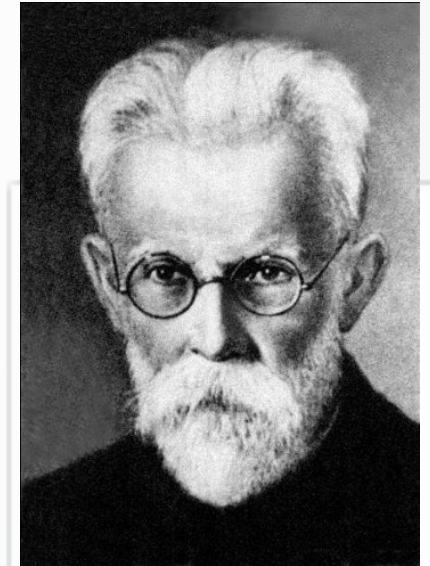
## OUTSTANDING EDITOR AWARD



**Prof. Paul Stoy**

For Paul's outstanding contribution to the Biogeosciences as an editor for the year 2015.

## VLADIMIR IVANOVICH VERNADSKY MEDAL



### **Prof. Carlos Duarte**

For Carlos's outstanding contributions to biogeosciences, linking marine communities to global change and element cycling.

## BG Division Outstanding Young Scientist Award



### Federico Baltar

Federico Baltar's research in biological oceanography integrates marine microbial ecology and biogeochemistry. His investigations, mainly focused on the role of microbes on the marine biogeochemical cycles, try to follow a multidisciplinary approach, always with the aim to draw connections between different scientific disciplines.

For Federico's outstanding achievements in biological oceanography, marine microbial ecology and biogeochemistry

## OUTSTANDING STUDENT POSTER AWARD (OSP)



The 2015 Outstanding Student Poster (OSP) Award is awarded to **Norman Rüggen** for the poster entitled:

Allocation of atmospheric CO<sub>2</sub> into labile sub-surface carbon pools: a stable isotope labelling approach in a tundra wetland (Rüggen, N.; Knoblauch, C.; Pfeiffer, E.-M.).

*Hamburg University, Hamburg, Germany*



The 2015 Outstanding Student Poster (OSP) Award is awarded to **Geshere Abdisa Gurmesa** for the poster entitled:

Fate of increased nitrogen deposition in humid sub-tropical forests in Southern China (Gurmesa, G. A.; Gundersen, P.; Lu, X.; Mo, J.).

*University of Copenhagen, Denmark*

## OUTSTANDING STUDENT POSTER AWARD (OSP)



The 2015 Outstanding Student Poster (OSP) Award is awarded to **Adam Moreno** for the poster entitled:

Calculating Regional MODIS NPP for Europe (Moreno, A.; Neumann, M.; Zhao, M.; Hasenauer, H.).

*The Institute of Silviculture at the Natural Resources and Life Sciences University, Vienna in Vienna, Austria*



The 2015 Outstanding Student Poster (OSP) Award is awarded to **Jonathan Ritson** for the poster entitled:

Disolved organic carbon (DOC) release following drought: influence of DOC source and drough severity on drinking water treatment.

*Faculty of Engineering, Department of Civil and Environmental Engineering, Imperial College, London, UK*

## OUTSTANDING STUDENT POSTER AWARD (OSP)



The 2015 Outstanding Student Poster (OSP) Award is awarded to [Adam Holt](#) for the poster entitled: Overriding plate thickness control on subducting slab curvature

*Dept. of Earth Sciences, University of Southern California,  
USA*