

A decorative graphic element consisting of a thick, light green curved line that starts from the left edge of the page and curves upwards and to the right, ending near the top center. The line has a slight gradient and a soft shadow effect.

Biogeosciences Business Meeting 2011

Biogeosciences Business Meeting 2011



AGENDA

1. Welcome by the Division Vice-President
2. Report on the 2010/2011 BG Activities
3. Suggestions for the EGU 2012 Programme
4. BG Publications
5. Vladimir Vernadsky Medal + OYSA
6. OSP awards
7. Suggestions regarding the Activities of the Union, such as Meetings, Publications and Outreach Activities
8. AOB



2. Report

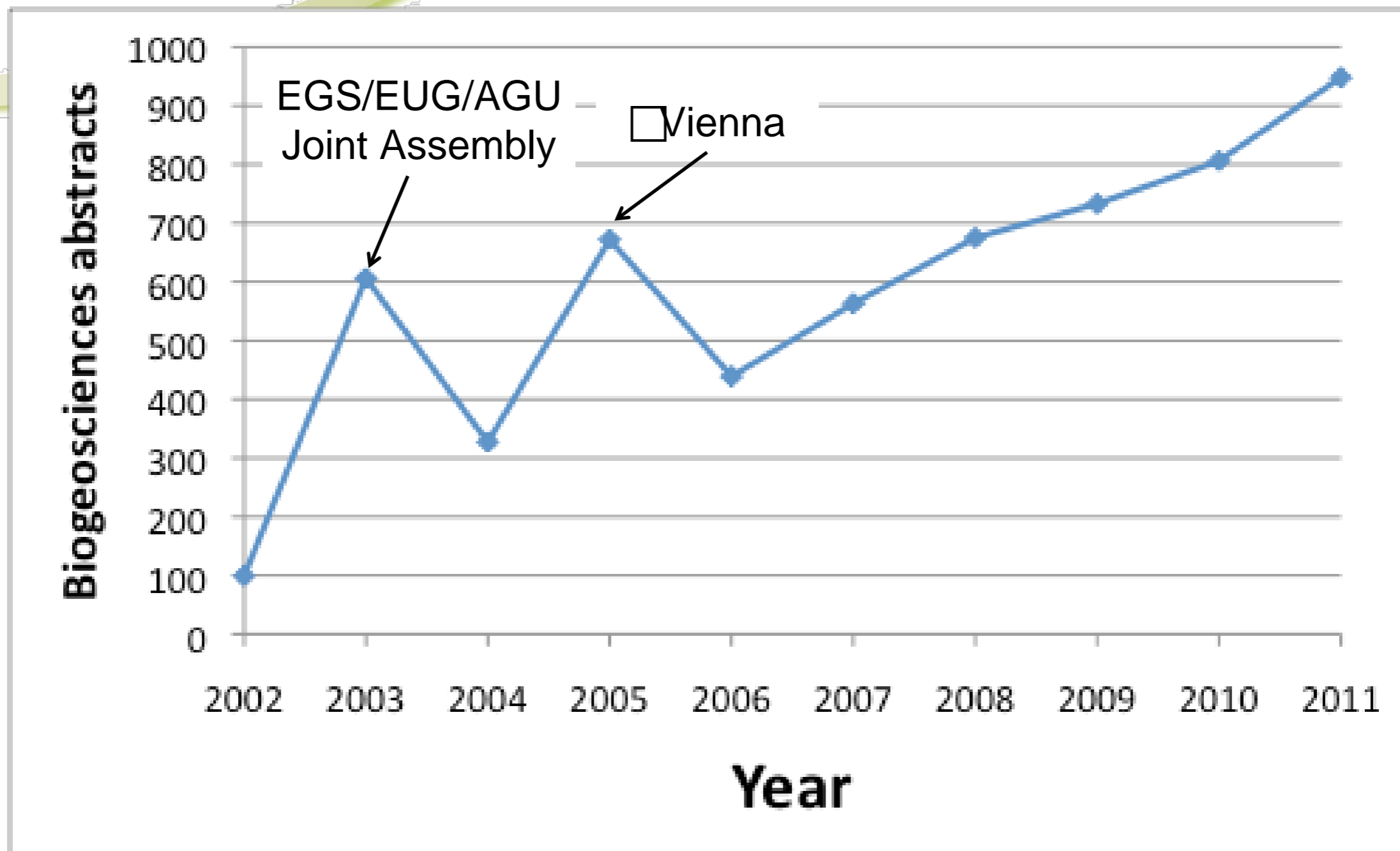
Plenary meeting

- Participants > 10.000 (2011); number of abstracts steadily high, currently 13,329 – 4439 Orals & 8890 Posters (33/67)
- New President: Donald B. Dingwell; Vice-President: Tuija Pulkkinen
- Budget:
 - EGU reached a reserve 2.0 M€ (Dec. 2010)
 - Increase support of Young Scientists
 - Money for organization of topical meetings – ask Niels Hovius (EONS)
 - Publication budget now on the income side!
- EGU office in Munich, new executive secretary: Philippe Courtial
- this years workshop (GIFT) is BG

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2. Report



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2. Report

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
BG sessions	9	17	13	23	25	21	33	32	32	36
Co-organised intersessions						-11	(9)	(8)	(5)	(15)
Oral presentations	71	230	178	204	152	202	236	240	227	317
	72%	38%	54%	30%	35%	36%	35%	33%	28%	33%
posters	28	376	149	468	287	361	439	493	579	631
	28%	62%	46%	70%	65%	64%	65%	67%	72%	67%
Total:	99	606	327	672	439	563	675	733	806	948

No-shows.....



2. Report

Biogeosciences Council

President: Gert-Jan Reichart (NL)

Seven sub-groups (Science Officers):

1. Terrestrial Biogeosciences (Jürgen Kesselmeier, D)
2. Marine Biogeosciences (Jack Middelburg, NL)
3. Freshwater & Wetlands (Tom Battin, A & Stephan Glatzel, D)
4. Earth System Biogeosciences (Andy Ridgwell, UK)
5. Paleo Biogeosciences (Albert Benthien, D)
6. Geomicrobiology & Extreme Environments (Antje Boetius, D)
7. Astrobiology & Early Evolution of Life (Emmanuelle Javaux, B)



3. Suggestions for EGU 2012

- New Science Officer for Earth System Biogeosciences:
Andy Ridgwell (UK)
- Science Officer for “Genomics and Evolution”?
- Gert-Jan Reichart new Chair of Programme Committee for EGU
(former chair Bruce Malamud)



3. Suggestions for EGU 2012

General Assembly 2012

- The 2011 program will **NOT** be used as the "skeleton programme"
 - Please suggest new sessions and confirm/cancel existing sessions
 - Motivate young scientists to convene
- Suggestions can be made from **NOW to about June:**
 - Tentative session title
 - Aim of the session
 - Name and email address of convener(s)
- Call for sessions mid-July
- Programme finalized in September 2011
- Call for abstracts in October 2011

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3. General Assembly Calendar

EGU General Assembly 2012

Location: Vienna, Austria

Date: 22 - 27 April 2012

EGU General Assembly 2013

Location: Vienna, Austria

Date: 7 - 12 April 2013

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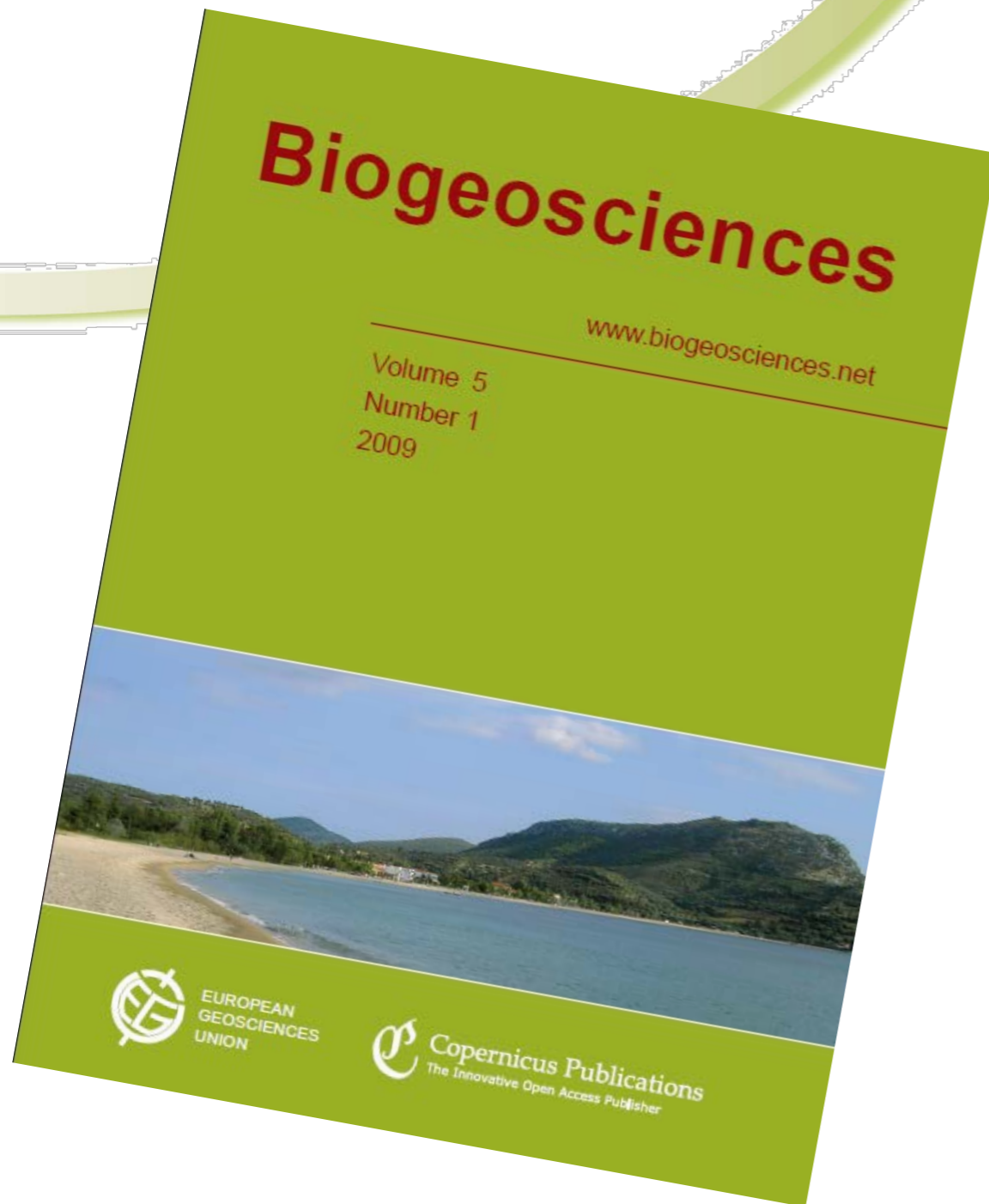
Division websites:

Webmaster: Albert Benthien

- News
- Topical conferences
- Job advertisements



Biogeosciences



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

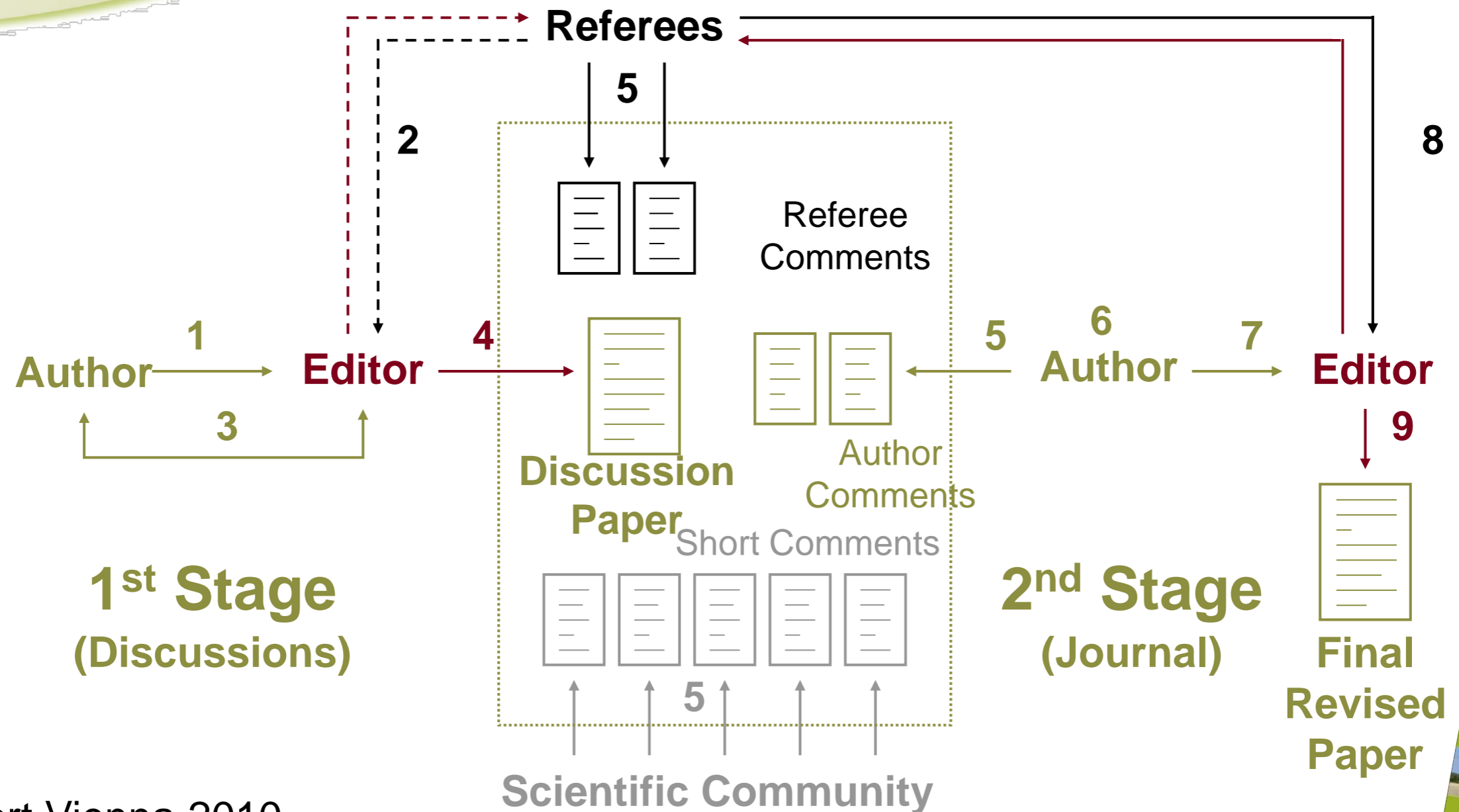
Publisher: Copernicus GmbH
on behalf of the
European Geosciences
Union (EGU).

BG is an open access journal



Innovative Two-Stage Publication Process

1. Submission
2. Additional Access Review
3. Technical Corrections
4. Publication as discussion paper
5. Comments
6. Revision
7. Submission of revised paper
8. Peer Review
9. Final Publication





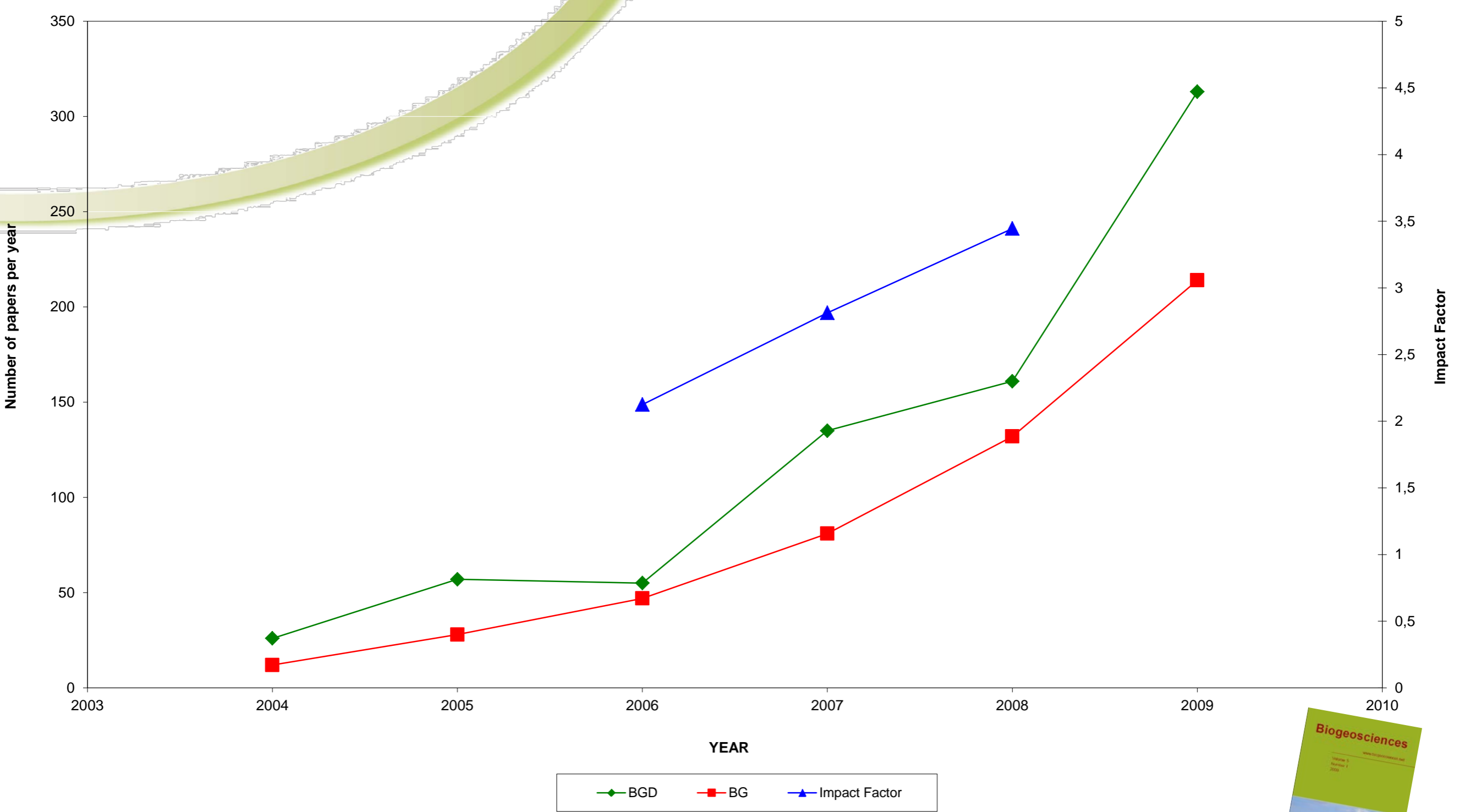
Biogeosciences

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

Referee comments, open comments and authors answers are public and are archived and citable as well.



Publication Record Biogeosciences





Duration of Review Process

The different times refer to all manuscripts, for which a final decision was made, independent of the date of submission.

Time from submission to Editor's decision for publication in BGD:

- Average **20 days** (Min = 0 days, Max = 157 days)
- Median **14 days**

Time from revised submission to Editor's decision for publication in BG:

- Average **24 days** (Min = 0 days, Max = 95 days)
- Median **14 days**



Production turn-around time

BGD

Time from production file upload **to 1. proof-reading:**

- Average **5 days** (Min = 0 days, Max = 28 days)
- Median **4 days**

Time from production file upload **to publication:**

- Average **15 days** (Min = 0 days, Max = 76 days)
- Median **12 days**

The average time from Editor's decision to production file upload is 5 days (Median = 3 days, Min = 0 days, Max = 25 days).

BG

Time from production file upload **to 1. proof-reading:**

- Average **7 days** (Min = 0 days, Max = 27 days)
- Median **5 days**

Time from production file upload **to publication:**

- Average **15 days** (Min = 1 days, Max = 48 days)
- Median **12 days**

The average time from Editor's decision to production file upload is 4 days (Median = 2 days, Min = 0 days, Max = 26 days).



Current service charges

Category 1 Total: €23 / page net + 19% VAT

Submission in accordance to the [Technical Instructions for LaTeX](#) as -tx.tex

Category 2 Total: €28 / page net + 19% VAT

Submission in accordance to the [Technical Instructions for MS WORD](#) as -tx.doc

Category 3 Total: €33 / page net + 19% VAT

The text file is compiled in any LaTeX style

Category 4 Total: €38 / page net + 19% VAT

The text file is compiled in any MS WORD style

EXAMPLE: Final manuscript will show an amount of 10 pages, Author follows the guidelines according to Category 1. The discussion paper will then have ca. 30 pages calculated with €23 net per page = €690 + 19% VAT. The final revised paper in the journal will then be free of charge.

No extra cost for color figures, color plates or any supplementary information (data tables, maps, movies etc...).

For copy-editing (requested by the editor) an additional fee will be added of €10 net per full page in the journal (second stage), and €3 net per full page in the discussion forum (first stage).





**Biogeosciences is a journal operated by
scientists for scientists.**

**Please advertise our journal on conferences
and meetings. Publish your best articles in
Biogeosciences.**





5. BG Medals

Vladimir Ivanovich Vernadsky Medal



2011 Ulf Riebesell

2010 Donald Canfield

2009 Not awarded

2008 Edward F. DeLong

2007 Jaap S. Sinninghe Damsté

2006 Claude Lorius

2005 Paul G. Falkowski

2004 Ernst-Detlef Schulze



April 6, 16:00-17:00 Room 23



5. BG Medals


Division Outstanding Young Scientists Award (OYSA)



The Division Outstanding Young Scientist Award is awarded to Woodward Fischer in recognition of his excellent contributions to our understanding of diverse and fundamental environmental transitions in Earth history.

5. BG Medals

Outstanding Student Poster (OSP) Award (formerly YSOOPP)



Email:
Daan.Blok@wur.nl

Climate change effects on vegetation in Northeastern Siberian tundra

Shrub growth response to local climate & effects of shrub expansion on permafrost thaw

Daan Blok¹, Gabriela Schaepman-Strub², Monique Heijmans¹, Ute Sass-Klaassen³, Harm Bartholomeus⁴, Yuri Knyazikhin⁵, Frank Berendse¹

¹Nature Conservation & Plant Ecology, Wageningen University, NL; ²Institute for Evolutionary Biology and Environmental Studies, University of Zurich, CH; ³Forest Ecology and Forest Management, Wageningen University, NL; ⁴Centre for Geo-Information, Wageningen University, NL; ⁵Department of Geography and Environment, Boston University, Boston, MA, USA


- The Siberian tundra is one of the key permafrost regions in the Arctic because of its large spatial extent and carbon-rich soils.
- Permafrost thaw is believed to strongly increase this century, which may impact the global climate.
- Arctic vegetation is responding to climate change, deciduous shrubs, in particular, are expected to benefit from climate warming.
- Experimental evidence shows that shrub expansion may reduce summer permafrost thaw (Blok *et al.*, 2010).

Aim: determine vegetation response to local climate conditions, from individual shrub level to pan-Arctic vegetation trends

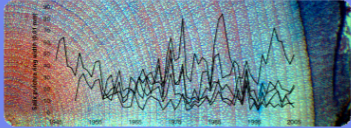
Dendrochronology

We use dendrochronology to reconstruct the growth response of tundra shrubs to climatic conditions

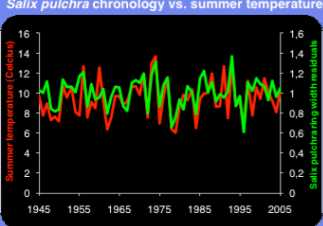
Salix pulchra is a widespread deciduous shrub across the Arctic



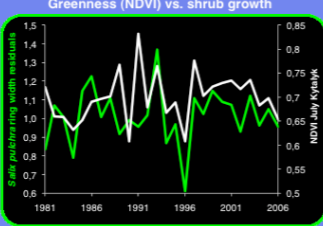
Salix pulchra ring width measurements



Salix pulchra chronology vs. summer temperature

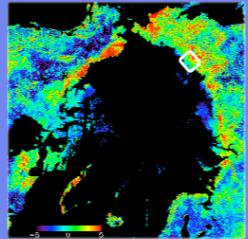


Greenness (NDVI) vs. shrub growth

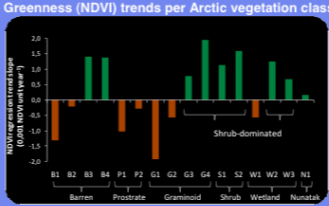


Remote Sensing

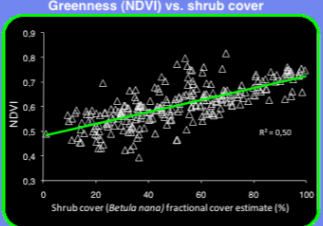
We use remote sensing data to assess the vegetation response to climate change on a large spatial scale



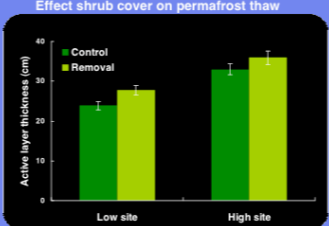
Greenness (NDVI) trends per Arctic vegetation class



Greenness (NDVI) vs. shrub cover



Effect shrub cover on permafrost thaw



From remote sensing to ground level at research site

Stongest positive greening trends occur in shrub-dominated tundra areas

Permafrost thaw is reduced by deciduous shrub cover. Effect of treatment: $p < 0.05$; effect of site: $p < 0.01$

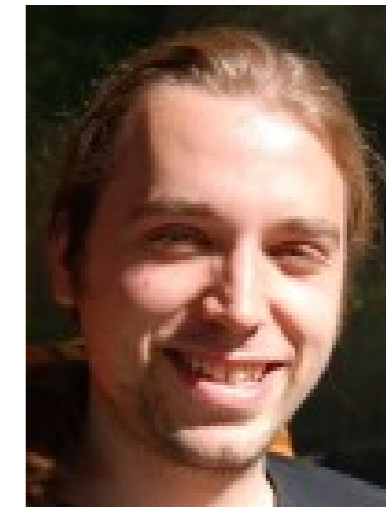
Increased shrub cover in the Arctic may partially offset permafrost degradation by climate warming

• Tundra vegetation greenness (NDVI) has generally increased during the last 2 decades, especially in shrub tundra areas.

• Ground-based spectral reflectance measurements show that NDVI increases with deciduous shrub cover.

• *Salix pulchra* shrub growth correlates positively with summer temperature and tundra greenness (NDVI).

• Together, these results suggest that we can expect a (further) increase in Arctic shrub cover with climate warming





5. BG Medals

Suggest candidates for:

- The Vladimir Ivanovich Vernadsky Medal 2012
- Outstanding Young Scientist Award 2012

Participate in the OSP

Vernadski and OYSA nomination deadline extended to

June 15th

awards.medals@egu.eu



5. BG Medals

Vladimir Ivanovich Vernadsky Medal for 2012

- Nomination letter (1 page).
- Curriculum Vitae (2 pages). A summary of the candidate's CV, including the candidate's name, address, history of employment, degrees, research experience, honours, and service to the community.
- Selected bibliography (2 pages). A list of selected publications by the candidate that best support the nomination. It should also state briefly the candidate's total number and types of publications and citations.
- Supporting letters. Between 3 and 5 letters of support (maximum 1 page each) should be submitted. These letters should clearly establish the nominee's recognized contribution to the field.



5. BG Medals

Outstanding Young Scientist Award (OYSA) for 2012

Candidate should be

- 35 or younger on January 1st 2012
- an undergraduate or postgraduate (Masters/PhD) student or have received her/his highest degree qualification (e.g., BSc, MSc, PhD) within the last seven years

A nomination package for the OYSA should consist of the following:

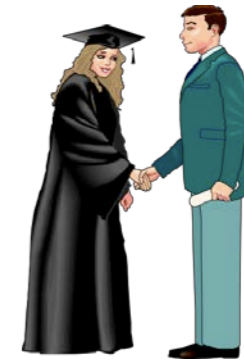
- Nomination letter stating contribution to any field in the Biogeosciences (½ page).
- A summary of the candidate's CV (1 page).
- Selected bibliography. A list of selected publications by the candidate that best support the nomination (½ page). It should also state briefly the candidate's total number and types of publications and citations.

The whole nomination package must not exceed 2 pages.



Registration through EGU website

Outstanding Student Poster Award Procedure



BG BM 2012



Vote by Award Com. chairs & coordinator



Ranking based on evaluation by judges



Poster evaluation based on a form with different criteria (scientific, presentation & overall)



Min. 2 judges per poster assigned by convener+convenor

Registration by PhD student

For the award winners



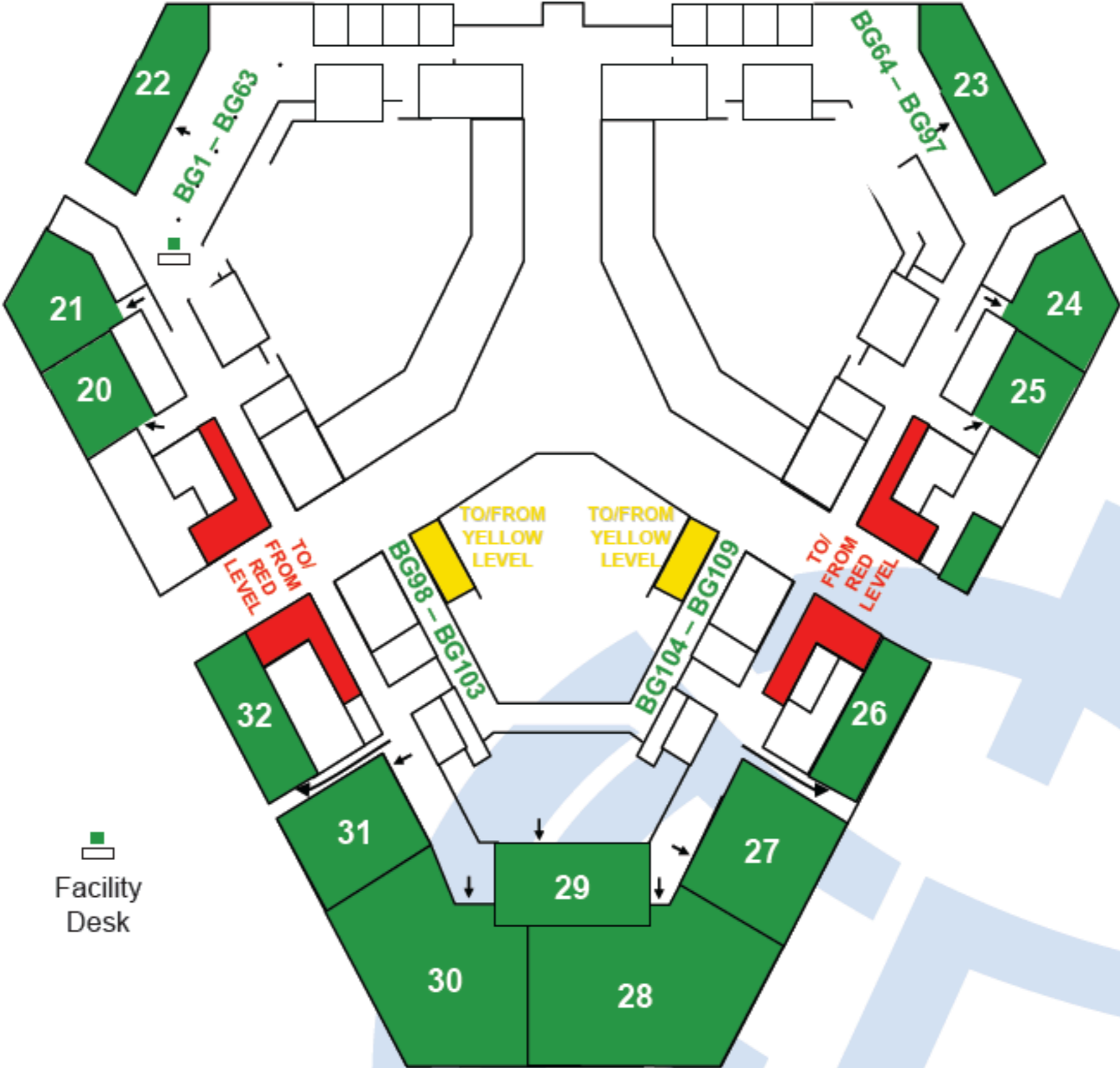
EGU website



**the
eggs**
NEWSLETTER & INFORMATION SERVICE OF THE E.G.S.

ISSUE 4, JUNE 2003
AVAILABLE ON-LINE AT www.the-eggs.org





109 Posters

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Suggestions for (a) Topical Conference(s):

- procedure for this is on the EGU website
- organisational support from Copernicus

GIFT workshop 2011/12 on “Evolution & Biodiversity”

Pictures for **Imaggeo** (online open access geosciences image repository of the EGU)

General comments: <http://tinyurl.com/EGU2011Feedback>

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Acknowledgements

- Division Scientific Officers & Programme Committee Members
- Session Conveners & Contributors
- Vladimir Vernadsky Medal Committee
- YSOPP committee members
- BG Editors, Authors, Referees
- EGU Office and Copernicus

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7. AOB

