



Geodesy Division Business Meeting

Johannes Böhm

Wien, April 9, 2019

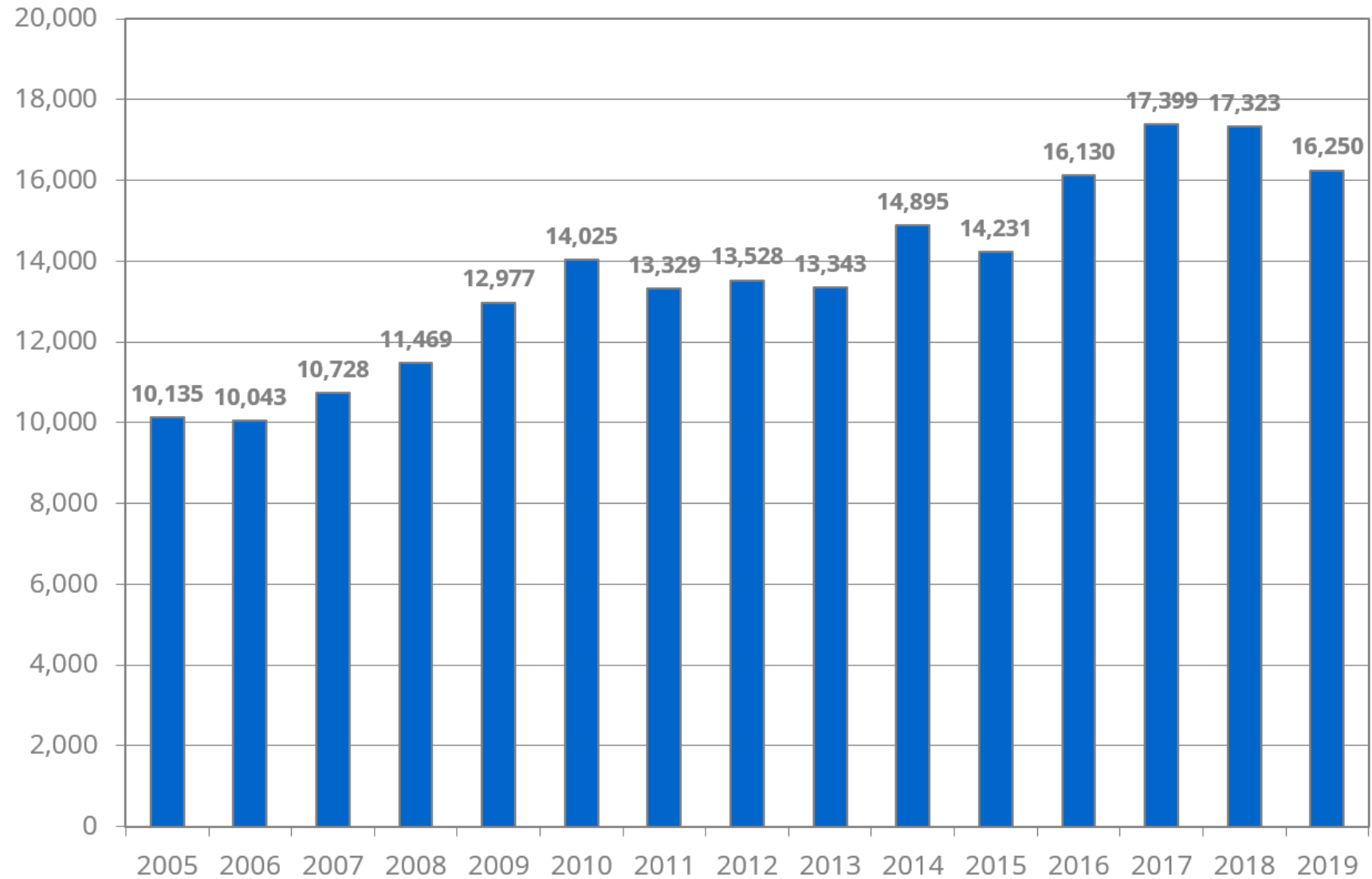


- Statistics 2019
- Call for Sessions 2020
- Medals and Awards
 - Vening Meinesz Medal
 - Outstanding Early Career Scientist Award
 - Outstanding Student Poster and Pico Award
- Structure of the Geodesy Division
- Report by the Geodesy ECS Representative
- EGU Journals and Support for Conferences
- AOB

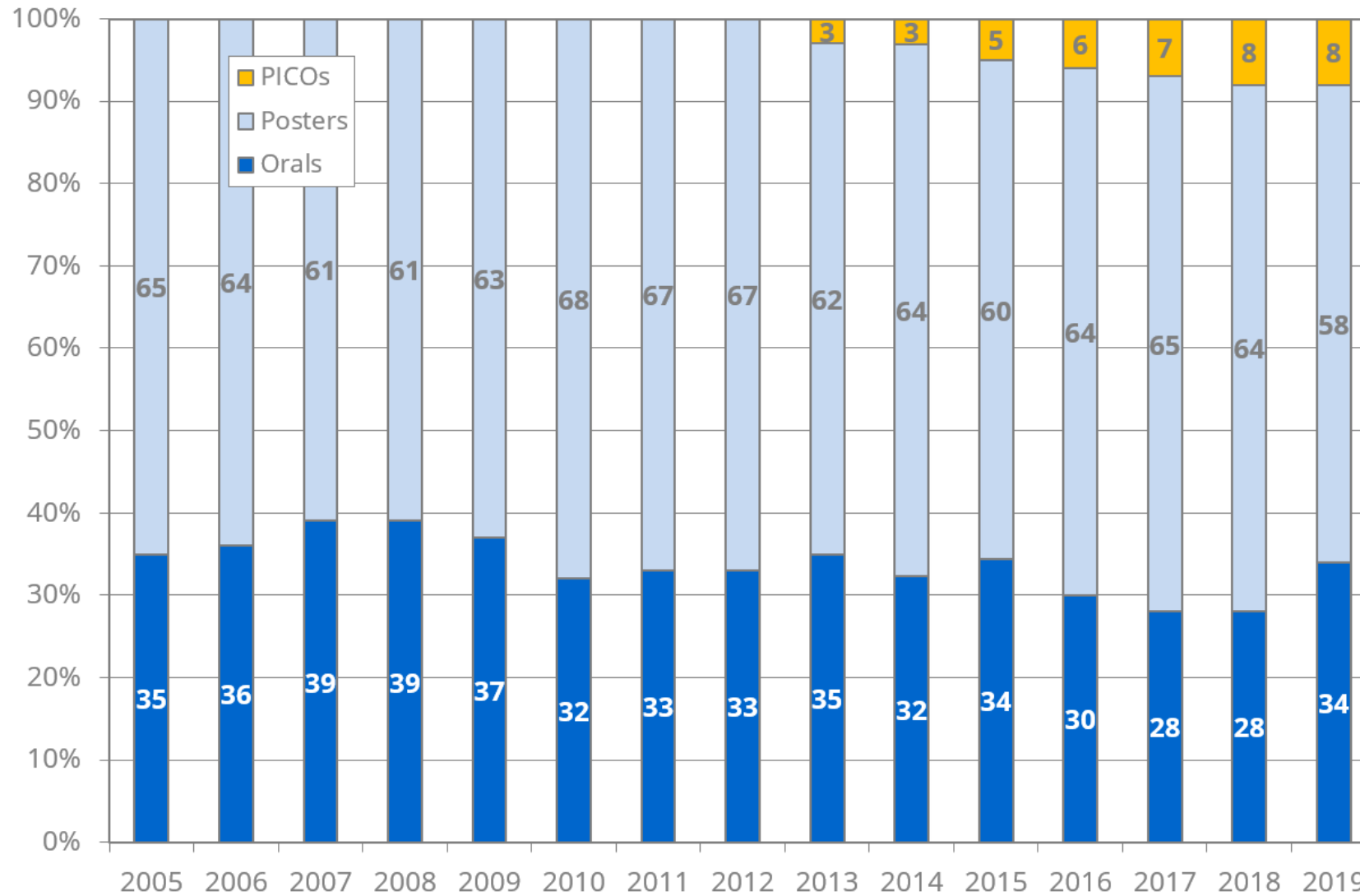
- Passed away in February 2019
- CNES, recently GFZ Potsdam (Oberpfaffenhofen)
- Very active for the EGU
- Co-Convener of 2019 Session G4.1 on Satellite Gravimetry



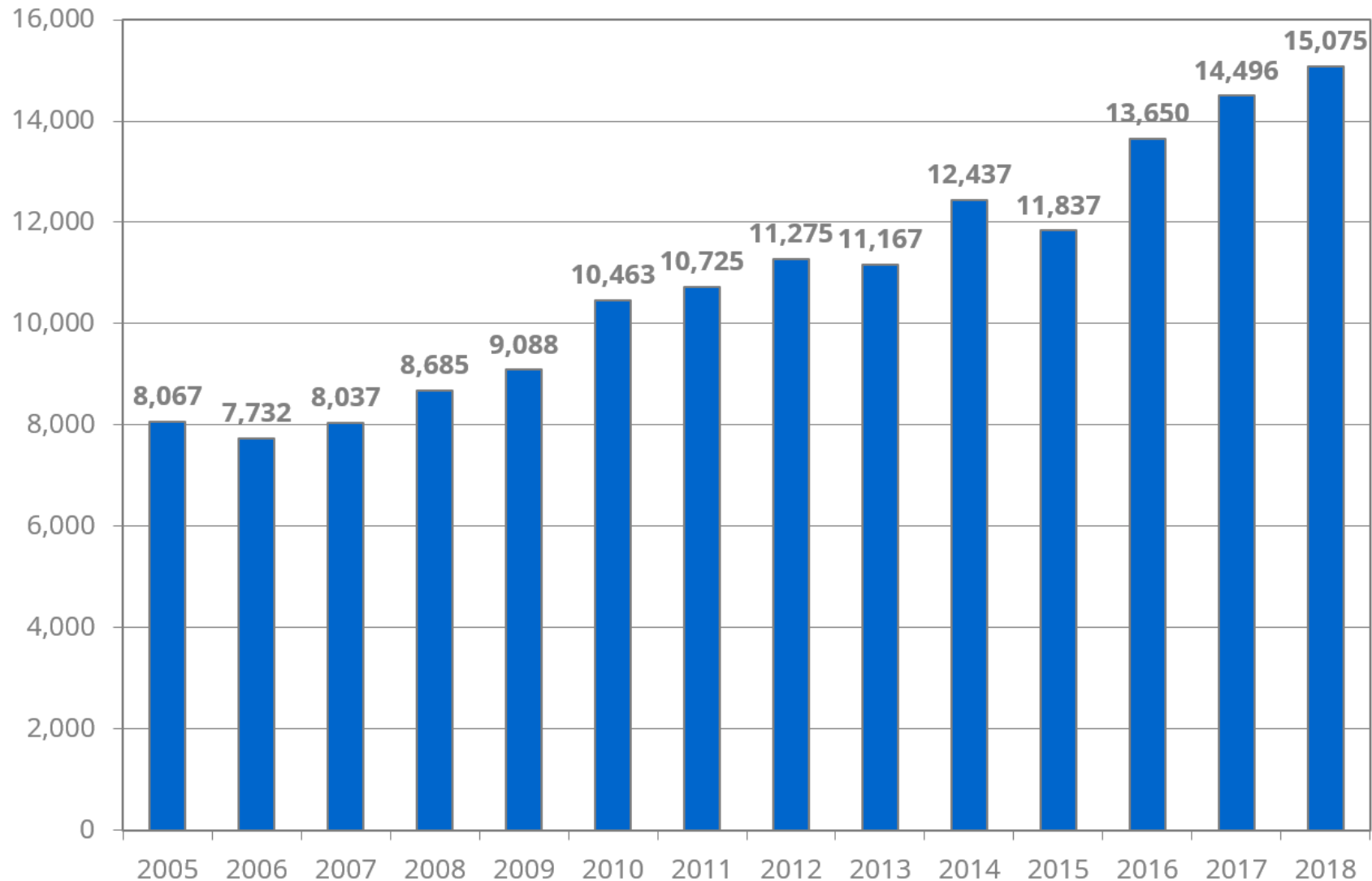
- Papers in the programme 2005-2019



- Presentation ratio 2005-2019



- Participants at EGU General Assemblies 2005-2018



Statistics 2019 - Geodesy Sessions

Session	Title	co-org.	2019	2018	Oral blocks	Pico blocks	Posters
G1.1	Recent Developments ..		10	24			10
G1.2	Mathematical Methods ..	x	12	15		1	
G1.3	High-precision GNSS ..		46	64	2		32
G2.1	The Global Geodetic Observing System ..		13	31			13
G2.2	The ITRF ..		13	20			13
G2.3	EUREF ..		20		1		13
G2.4	Precise Orbit Determination ..		26		1		19
G2.6	Simulation Studies to improve .. (OECS)		17		1		10
G3.1	Earth Rotation ..		19	21	1		12
G3.3	Signal Separation/Climate ..	x	24	31	1		17
G3.4	Wegener ..	x	25	13	1		18
G3.5	Hydrological Signals ..	x	21		1		14
G4.1	Satellite Gravimetry ..		32	52	2		18
G4.2	Modern Concepts for Gravimetric ..		33		2		19
G4.3	High Accuracy Terrestrial Gravity ..	x	15	30	1		8
G4.4	From data processing to integrated ..	x	50	15	3		29
G5.1	Space Weather ..		13	21		1	
G5.2	Atmospheric Remote Sensing ..	x	36	39	2		22
G6.3	Open Session ..		17	16	1		10
			442	428	20	2	277

- No self-solicited presentations by conveners
- (Co)-conveners cannot be presenting author and are discouraged from being co-author of oral presentations in a session they convene.
- Authors are allowed as first author to submit either one regular abstract plus one abstract solicited by a convener, or two solicited abstracts.

Block	Time	Activity
TB1	08:30 – 10:15	Posters, orals, PICOs
Break	10:15 – 10:45	
TB2	10:45 – 12:30	Posters, orals, PICOs
Lunch break	12:30 – 14:00	
TB3	14:00 – 15:45	Posters, orals, PICOs
Break	15:45 – 16:15	
TB4	16:15 – 18:00	Posters, orals, PICOs
TB5 - Break	18:00 – 19:00	Networking, extra poster viewing, exhibition, activities in the foyers
TB6	19:00 – 20:00	Townhalls, some short courses, some medal lectures

- **Please provide feedback!**

- It is prohibited to take photos or videos of scientific material shown in any oral, PICO, or poster presentations unless the presenter authorizes it. Presenters are encouraged to inform the audience if they welcome photos or sharing on social media (images at https://egu2019.eu/about_and_support/rules_of_conduct.html)
- Extra stickers in poster halls



- General Assembly 3 - 8 May 2020
 - No roll-over of sessions
 - Abstract submission deadline 15 January 2020
- Consider proposing co-organized sessions (with at least one co-convener per division)
- Consider for the team of conveners:
 - Gender diversity
 - Diversity in countries/institutes
 - Early Career Scientists

- The **2019 Vening Meinesz Medal** is awarded to **Tonie van Dam** for pioneering work on the deformations of the solid Earth under a variety of surface loads and on their measurements using space geodetic observation techniques.
- Division Medal Ceremony and Medal Lecture
 - Thursday, April 11, 2019, 7 pm, Room D2
 - **What can we learn by combining GPS and Gravity?**



- The **2019 Division Outstanding Early Career Scientists Award** is awarded to **Benedikt Soja** for original research and contributions to the fields of very long baseline interferometry and terrestrial reference frames.
- Award Lecture
 - Tuesday, April 9, 2019, 3:30 pm, Room D2
 - **Chasing consistency: joint determination of terrestrial and celestial reference frames**



- Nominations for the medals are to be sent to the e-mail address awards.medals@egu.eu by June 15 (absolute deadline) in pdf format. Only EGU members can submit nominations.
- Nominations for the Outstanding Early Career Scientists Award are also to be sent to the e-mail address awards.medals@egu.eu by June 15.
- See <https://www.egu.eu/awards-medals/proposal-and-selection-of-candidates/> for more details.

- **Saniya Behzadpour**

- *Error modeling validation of GRACE gravity data* (Behzsadpour, S.; Mayer-Gürr, T.; Weigelt, M.; Flury, J.; Goswami, S.)



- **William Durkin**

- *Impact of local crustal variations and ice mass balance uncertainties on interpreting regional GIA in southeast Alaska* (Durkin, W. J.; Kachuck, S. B.; Pritchard, M. E.)



- The awardees receive a conference fee waiver for the next EGU GA and are invited to submit a paper free of publication costs to one of the EGU journals.

2018 Outstanding Student Poster and PICO (OSPP) Awards

- Saniya Behzadpour
 - *Error modeling validation of GRACE gravity data* (Behzadpour, S.; Mayer-Gürr, T.; Weigelt, M.; Flury, J.; Gossard, J. P.)
- William Durkin
 - *Impact of local crustal velocity and ice mass balance uncertainties on interannual regional GIA in southeast Alaska* (Durkin, W.; Pritchard, M. E.; Schuck, S. B.)
- The winners will receive a conference fee waiver for the next EGU GA and are invited to submit a paper free of publication costs to one of the EGU journals.

We need your help as judges for the OSPP Awards!



Structure of Geodesy Division

- President:
 - Johannes Böhm (2017 - 2021)
- Deputy President:
 - Annette Eicker (2018 - 2020)
- Science Officer
 - Adrian Jäggi (2018 - 2020)
- Early Career Scientists Representatives
 - Katrin Bentel (2017 - 2018)
 - Mathis Bloßfeld (2018 - 2020)



Meet with us at the EGU booth in the poster area on Thursday from 4:15 to 5 pm!

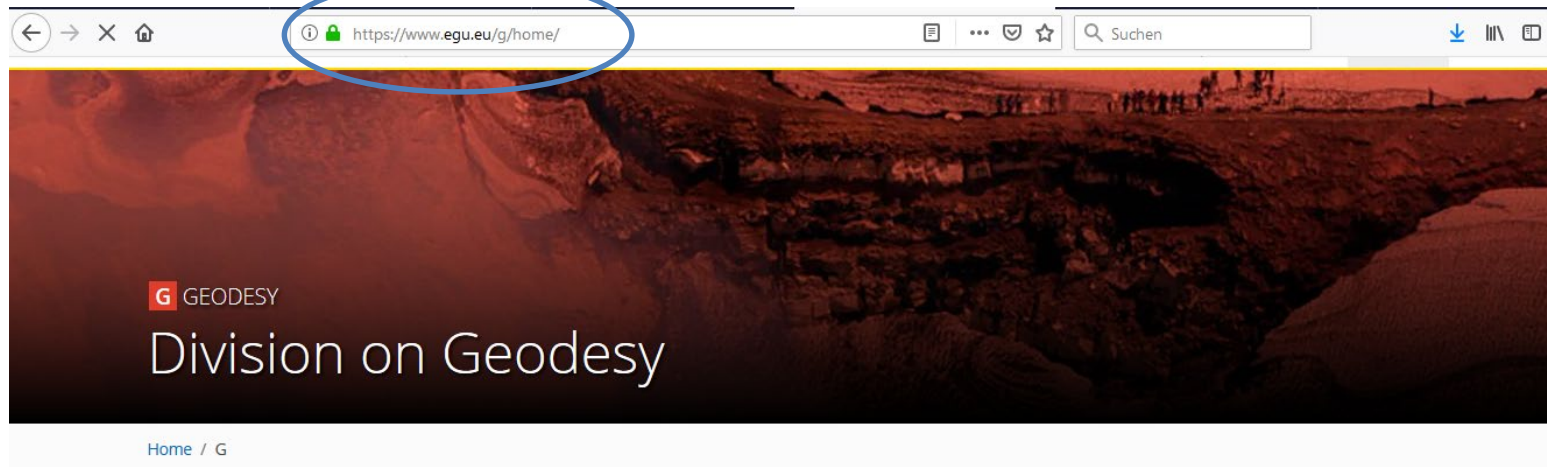
- Next election of the Geodesy Division President this autumn!
 - J. Böhm cannot be re-elected
- President-Elect from 2020 - 2021, starting as Division President with GA 2021
- Send nominations until September 2019

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- Why should I become Division President?
 - Serve the community as Geodesy Programme Committee Chair
 - Shape EGU as member of the EGU Council
 - EGU is a very dynamic and professional organization - you can learn a lot
 - Please contact me if you have questions

- Vening Meinesz Medal Committee
 - Voting: Four past medallists and past president (M. Schmidt)
 - Non-voting (ex officio): Division President and EGU Award Committee Chair
- 2020:
 - Tonie van Dam
 - Markus Rothacher
 - Isabella Velicogna
 - Srinivas Bettadpur
 - Michael Schmidt (Chair)
 - Ex officio (not voting): Johannes Böhm, Özgür Karatekin

- Programme Committee
 - Division President (Chair) + Deputy President + Science Officer
- Outstanding Early Career Scientist Award
 - Division President (Chair) + Deputy President + Science Officer
- Outstanding Student PICO and Poster Award
 - Deputy President (Chair) + Division President + Science Officer

- Your reps, if you don't know us yet...
 - Mathis Bloßfeld (mathis.blossfeld@tum.de)
 - Katrin Bentel (katrin.bentel@tugraz.at)
- How to get connected?

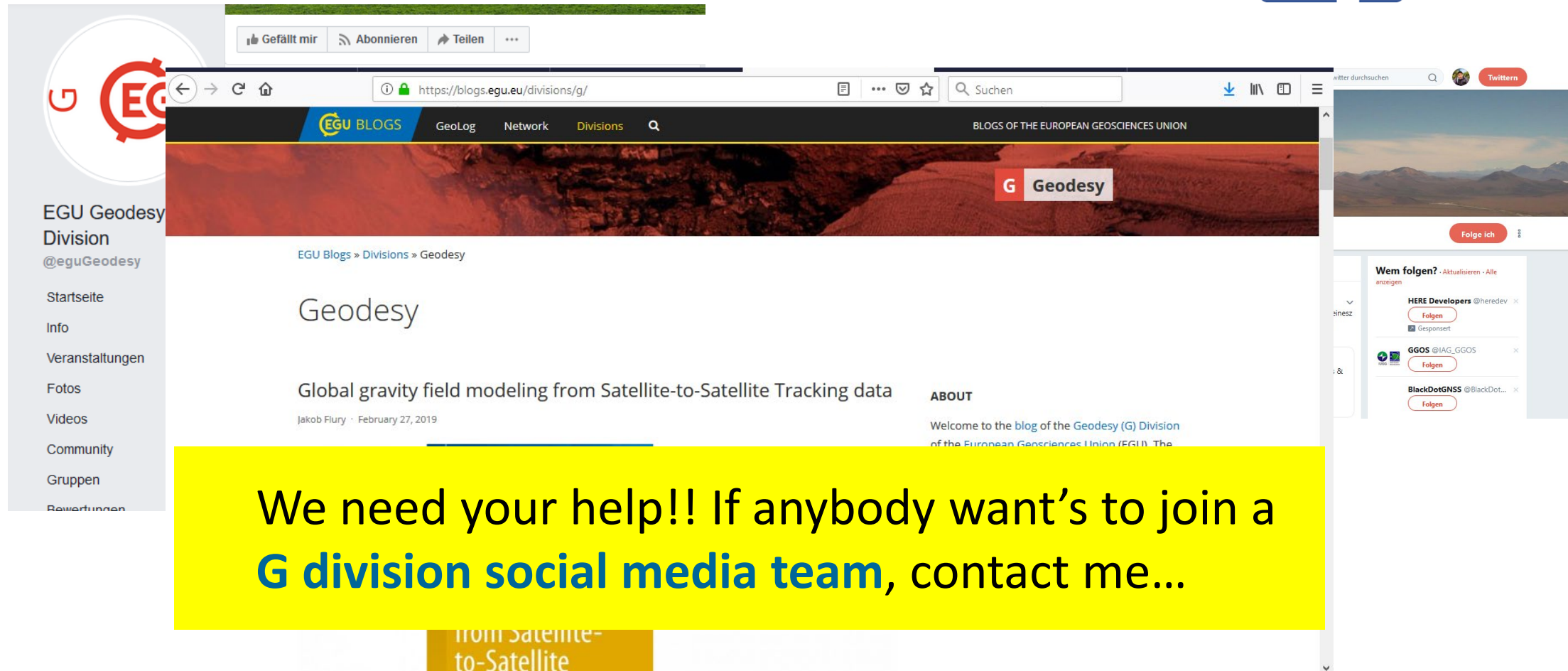


President: Johannes Böhm (g@egu.eu)
Deputy President: Annette Eicker (annette.eicker@hcu-hamburg.de)

Traditionally geodesy is the science of the measurement and the mapping of the Earth's surface. Since the surface is mainly shaped by the Earth's gravity field the classical definition includes the Earth's gravitational potential. Observing the Earth figure, the orientation and rotation as well as the gravity field, geodesy today provides spatial and temporal patterns of geophysical processes within the Earth system such as sea level rise, tides, melting of continental ice masses, changes in global water circulation and in the atmosphere or deformations of the solid Earth. Consequently, the geodesy division covers activities on the whole spectrum of modern geodetic Earth system modeling from the measurement systems to the investigation of geophysical processes.

- EGU newsletter
- G mailing list
- G-ECS mailing list

- Several ways to follow the activities
 - Social Media (initiated 2017), Webpage, Blog (g.egu.eu)



The screenshot shows a web browser displaying the EGU Geodesy Division blog page. The URL is <https://blogs.egu.eu/divisions/g/>. The page features a navigation menu with 'EGU BLOGS', 'GeoLog', 'Network', and 'Divisions'. The main content area is titled 'Geodesy' and includes a post titled 'Global gravity field modeling from Satellite-to-Satellite Tracking data' by Jakob Flury, dated February 27, 2019. An 'ABOUT' section welcomes visitors to the blog of the Geodesy (G) Division of the European Geosciences Union (EGU). A yellow text box is overlaid on the bottom of the screenshot, containing the text: 'We need your help!! If anybody want's to join a **G division social media team**, contact me...'. To the right of the browser window, a Twitter profile for '@eguGeodesy' is visible, showing a 'Folge ich' button and a list of users being followed, including 'HERE Developers @heredevelop', 'GGOS @IAG_GGOS', and 'BlackDotGNSS @BlackDot...'.

We need your help!! If anybody want's to join a **G division social media team**, contact me...

- ECS Rep planner workshop (ECS Division rep summaries & ECS strategy)
 - Connectivity (15)
 - Jobs / Careers (11)
 - Work-life balance (11)
 - ECS role in EGU (10)
 - ECS role in scientific program (10)



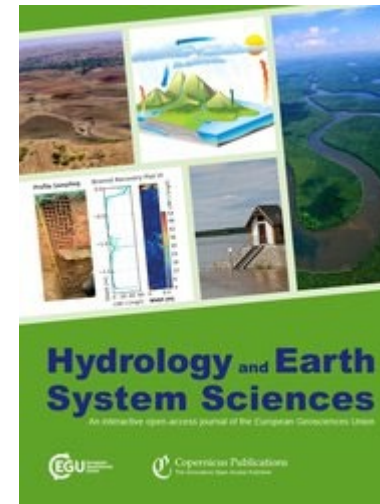
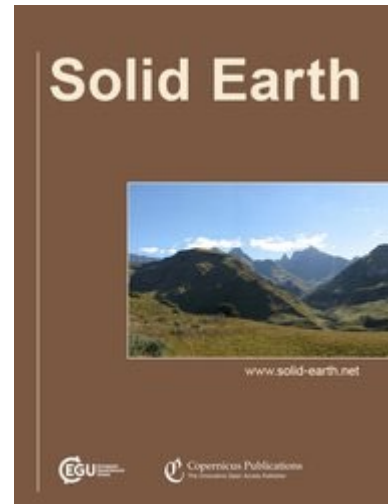
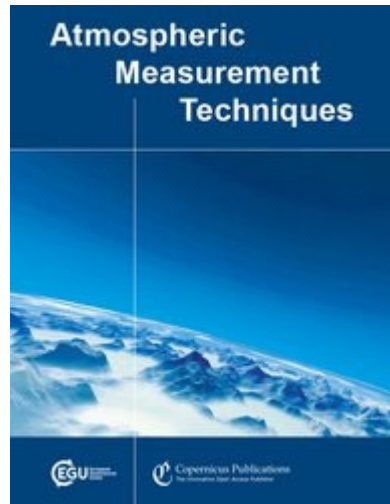
- Networking & ECS Zone
 - One of the top resources that EGU does well for ECS
 - A variety of pop-up events
 - Informal Short course follow-up events
 - Encourage Mentors to meet
 - Please use it for networking & check out the schedule!!
 - **Red Level**

POP-UP EVENTS

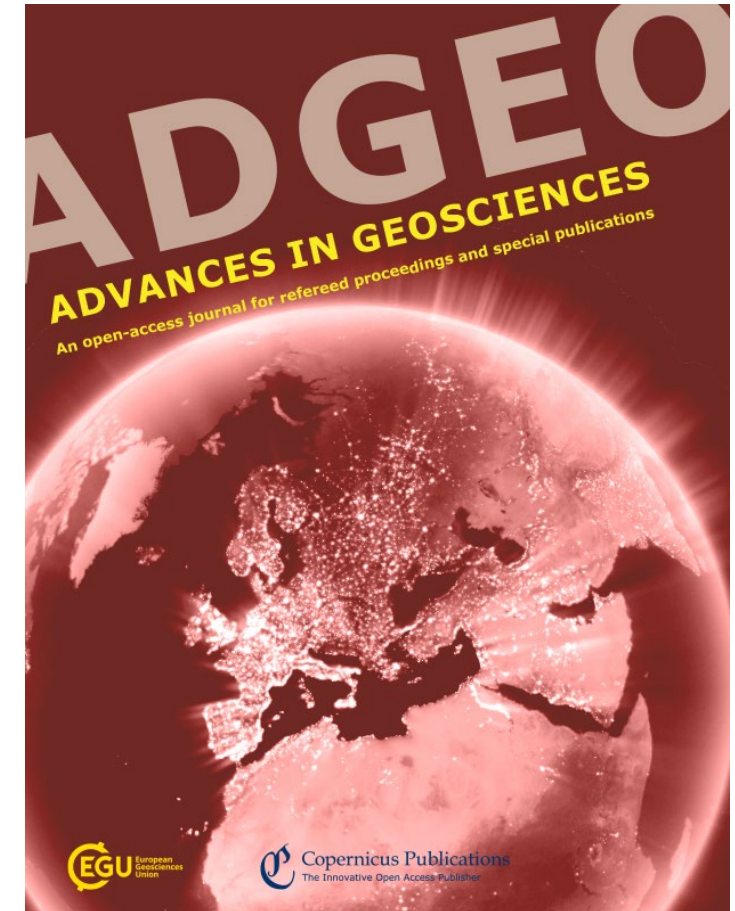
The Networking & ECS Zone will be hosting several pop-up style events. All are welcome to join! Take a look at what's scheduled for the week:

- How to navigate the EGU Q&A: Mon 8th, 10:30
- Science for policy-makers: Roads ahead: Mon 8th, 18:20
- Pride@EGU: How to be an ally! Discussion & networking: Tue 9th, 15:00
- Let's talk peer-review: A chance to discuss and get ideas about how to carry out a thorough peer-review: Wed 10th, 10:00
- ECS reps catch-up: open to all ECS reps: past, present, future: Wed 10th, 11:00
- Meet & Greet with the geomorphology experts: Wed 10th, 13:00
- The IPCC and how you can get involved: Wed 10th, 16:00
- Earth Science preprints: the What's, the Why's and the How's: Thu 11th, 13:00
- Young Water Professionals Booth: Thu 11th, 14:00
- Academia is not the only route: exploring career options for Earth scientists Q&A: Thu 11th, 15:00

- <https://www.egu.eu/publications/open-access-journals/>
 - Atmospheric Measurement Techniques (IF 3.3)
 - Solid Earth (IF 4.2)
 - Hydrology and Earth System Sciences (IF 4.3)
 - ...



- in **Advances in Geosciences**
 - EGU open-access journal for refereed proceedings and special publications
- Sessions G1.1, G2.4, G2.6, G3.1, G4.4, and G5.2
- Editors: J. Böhm, A. Eicker, A. Jaeggi, K. Bentel, M. Bloßfeld, P. Holota, S. Böhm, H. Steffen, and R. Pacione
- **Submission Deadline: 31 May 2019**
- Of course, submission of a paper is optional
- Please support this activity as reviewer!



- EGU Galileo Conferences addressing cutting-edge topics
- EGU Co-sponsored meetings
 - Training Schools
 - Conference Series
 - Topical Meetings
 - Workshops

- **EGU Today**

- Daily newsletter highlighting scientific sessions, short courses and other activities at the Assembly
- New this year: digital only, available at www.egu.eu/egutoday/ and through the GA app

- **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) and Facebook (European Geosciences Union)
- For behind the scenes access to the conference follow us on Instagram (@EuroGeosciences)
- Participants can ask questions & keep updated by following the meeting hashtag #EGU19

