

Geosciences Instrumentation and Data Systems (GI) Division Meeting

Francesco Soldovieri

GI Deputy President

VEGU21 | 27 April 2021



Meetings | Publications | Outreach | www.egu.eu

Agenda

- **Welcome & Thank you**
- vEGu21: General and GI information and statistics
- GI presence on the internet and social media
- Christiaan Huygens Medal
- Division Outstanding ECS Award
- Virtual Outstanding Student Poster and PICO (VOSPP) Award
- GI structure and Election/Confirmation of GI Science Officers
- GI Journals
- Election of GI ECS Representative
- any other business

First of all, also on behalf of the GI Division President, Lara Pajewski, I would like to thank you very much for the attendance at the Division Meeting and your interest to the life of GI Division.

This VEGU21 is still a fully virtual event, but despite this, all of us were very willing and successful to make an exciting GI programme.

We had a significant decrease of the number of GI abstracts, but this was expected for the well known difficulty related to the COVID pandemics. Also, the physical event of GA was very important to create and consolidate networking and friendship.

I am Francesco Soldovieri, present Deputy President and past Division President from 2015 to 2019. Now, I am acting in replacement of Lara but I hope that Lara will solve her

Agenda

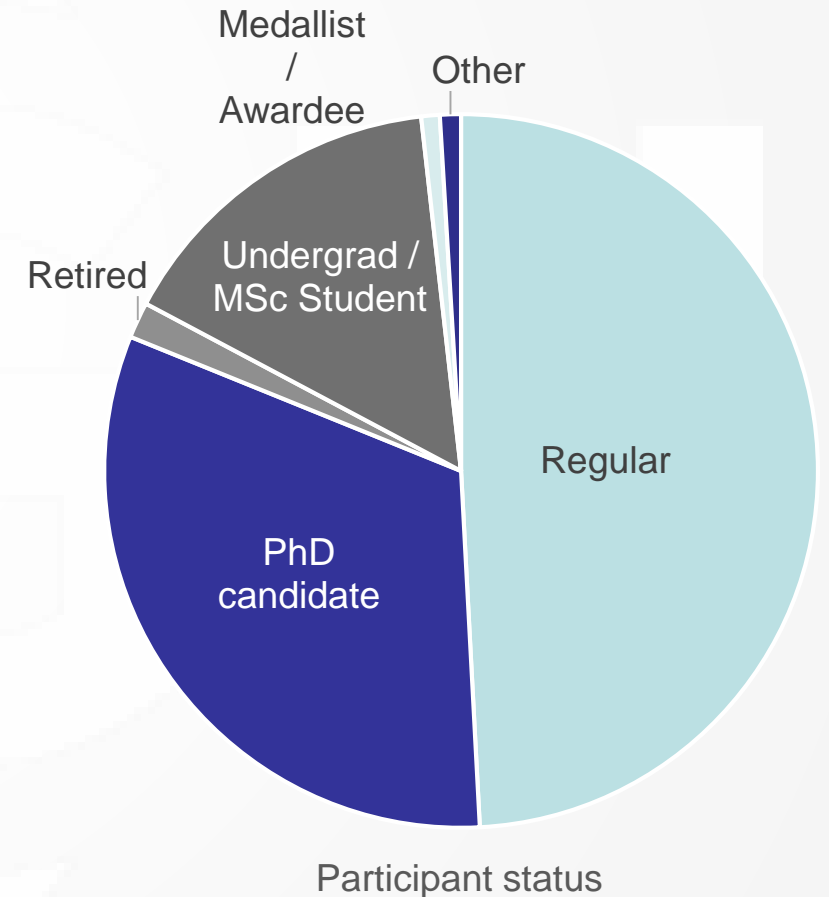
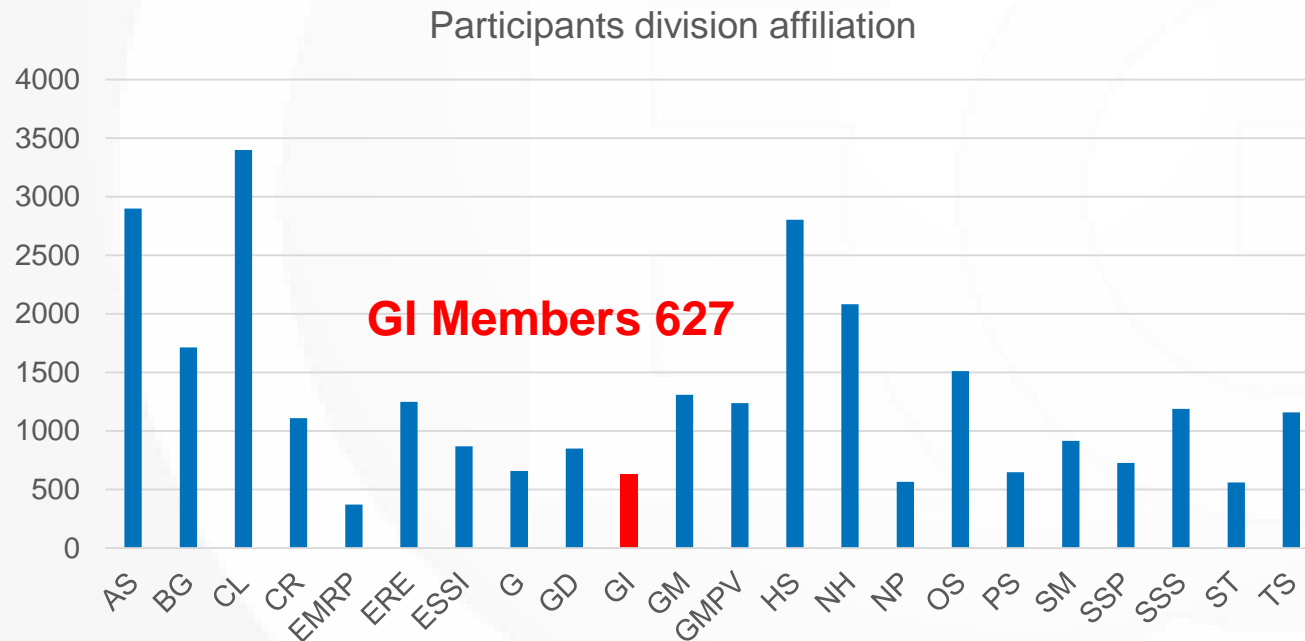
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vEGU21: Sessions and abstracts, Schedule

- 13,801 abstracts in programme | -24% relative to 2020
- 843 active sessions | 636 vPICO sessions | 56 Short Courses | 32 Medal and Award Lectures
- Week 1 (19-23 Apr): Union Symposia | Great Debates (Except GDB1) | most Medal and Award Lectures | most Division Meetings | 2 Short Courses per day
- Week 2 (26-30 Apr): 38/39 parallel vPICO sessions | 4 Short Courses per day
- Networking Events (including pop-ups), Townhall Meetings, Side Events during both weeks
- EGU Plenary 19 Apr | Medal & Award celebration 22 Apr | Closing party 30 Apr

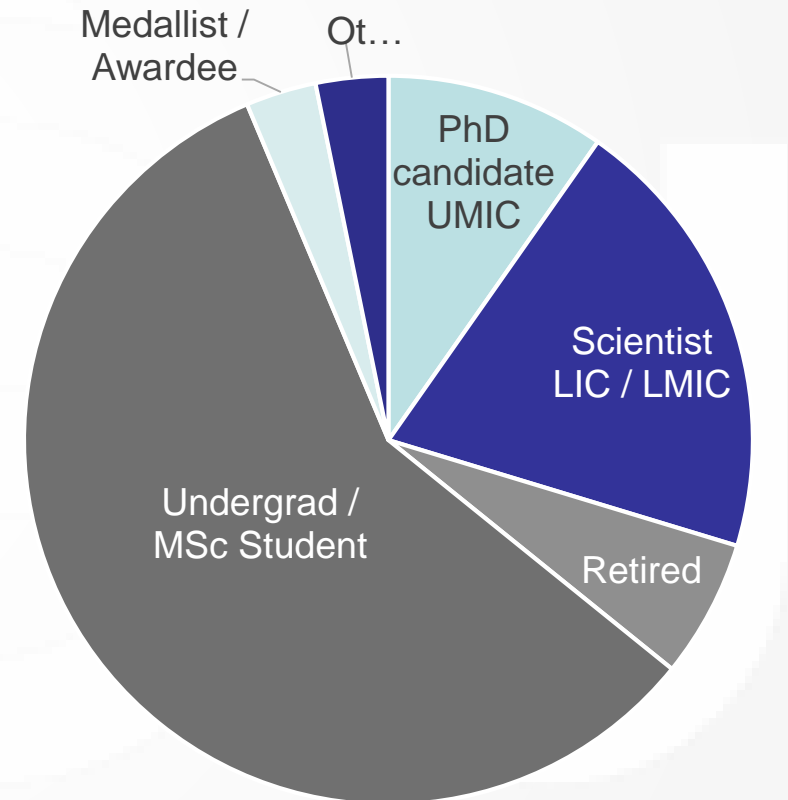
vEGU21: Registration numbers and breakdown

- 13,982 registrations (17 April 2021, 11:30)
- Participants from 126 countries



vEGU21: Registration fee waiver programme

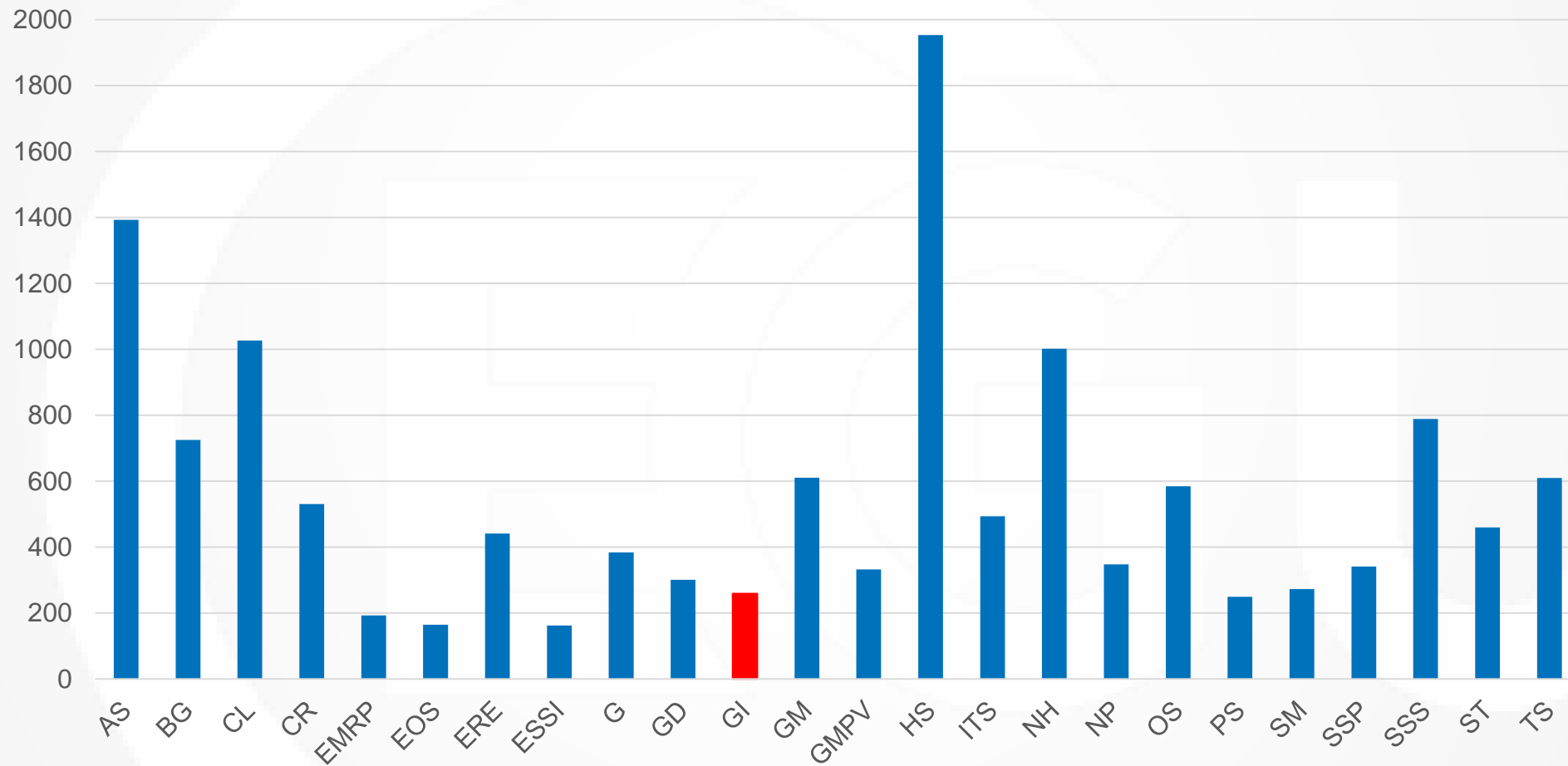
- 3,675 registration waivers granted:
 - All scientists from Low / Lower-Middle Income Countries*
 - PhD candidates from Upper-Middle Income Countries*
 - Undergraduate and Master Students
 - Retired members of EGU
 - Medallists
 - Others (Teachers, Journalists, ...)



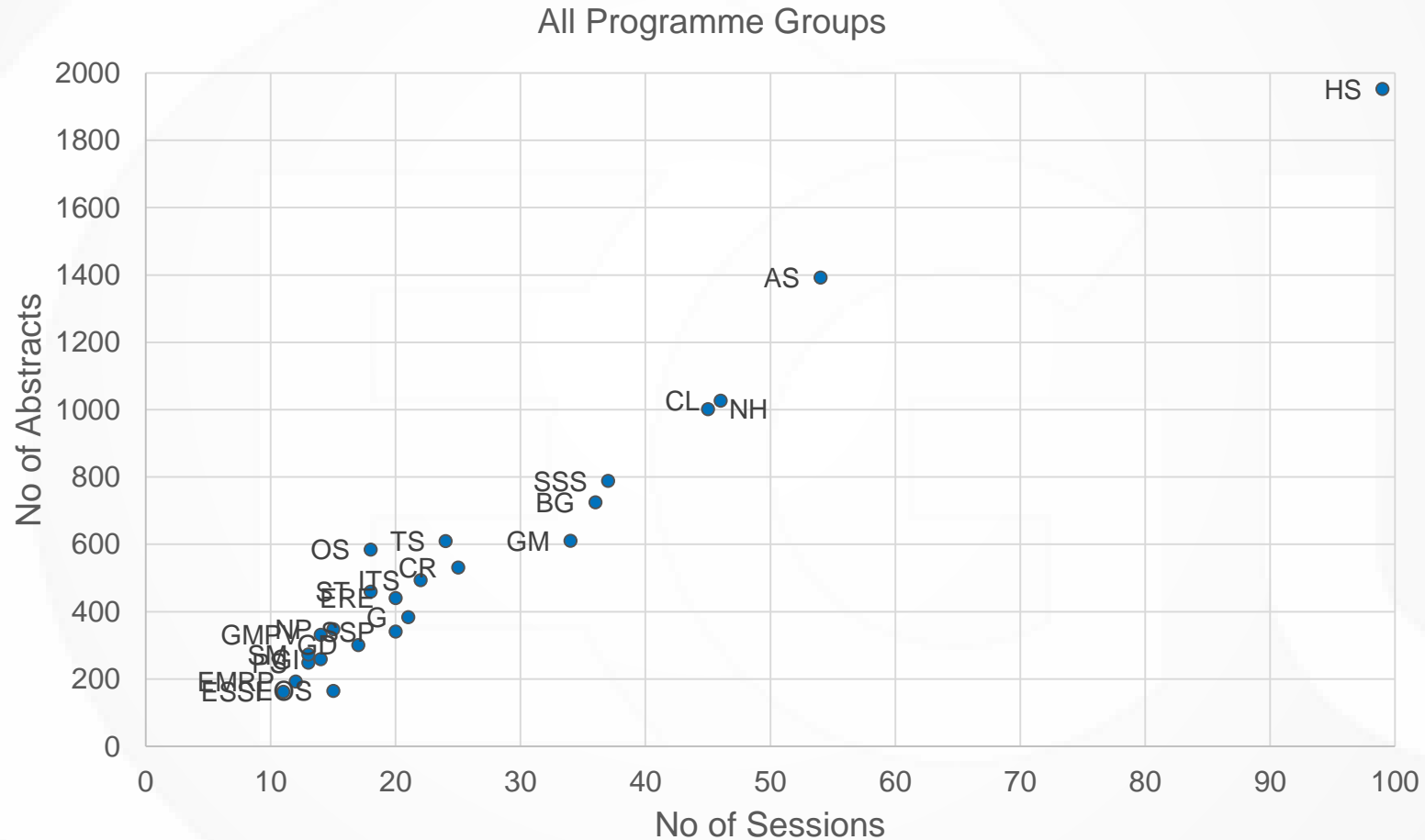
Registration Waivers

* World Bank Definition

vEGU21: Abstracts per Programme Group

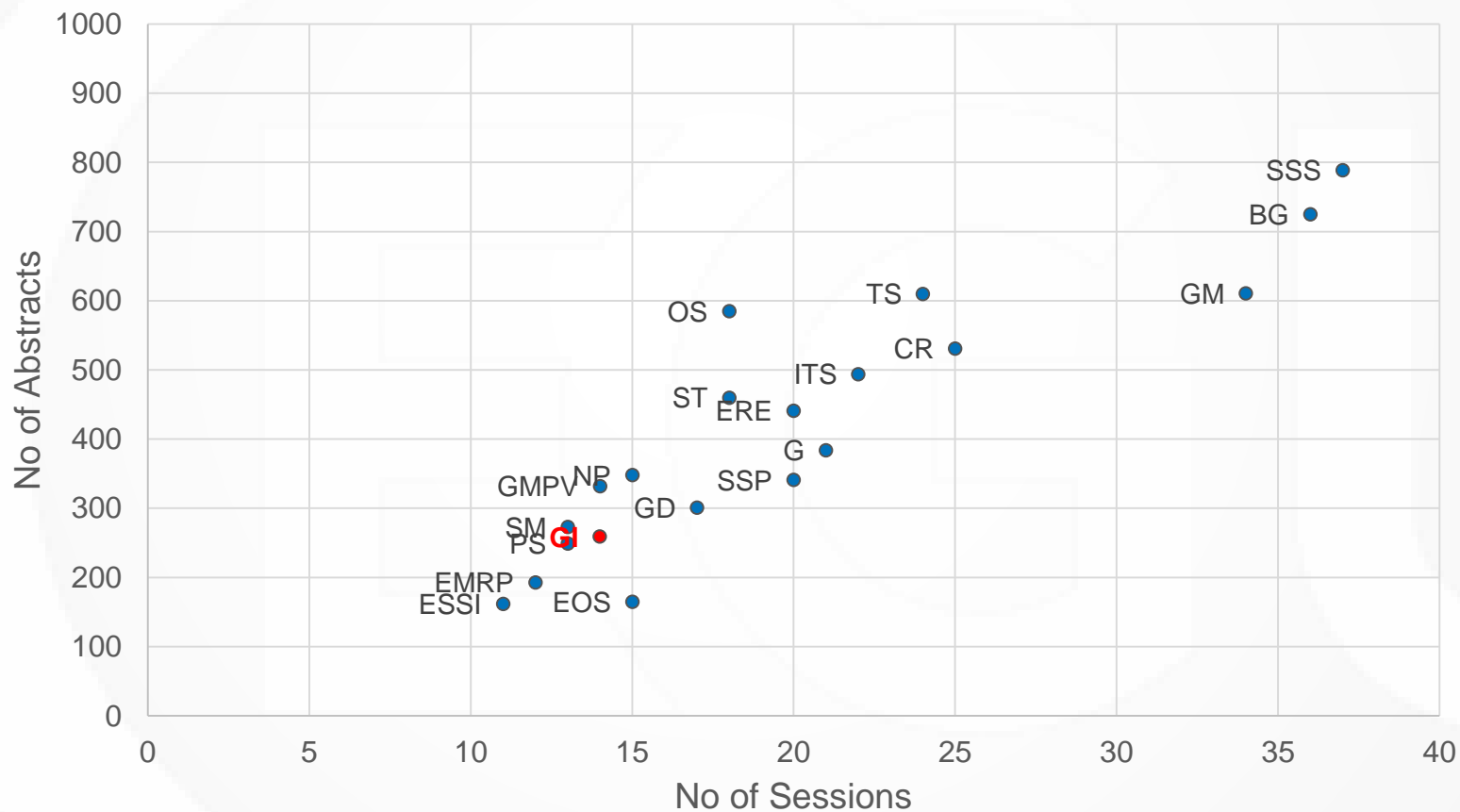


vEGU21: Abstracts / Sessions per Programme Group



vEGU21: Abstracts / Sessions per Programme Group

All Programme Groups except AS, CL, HS, NH



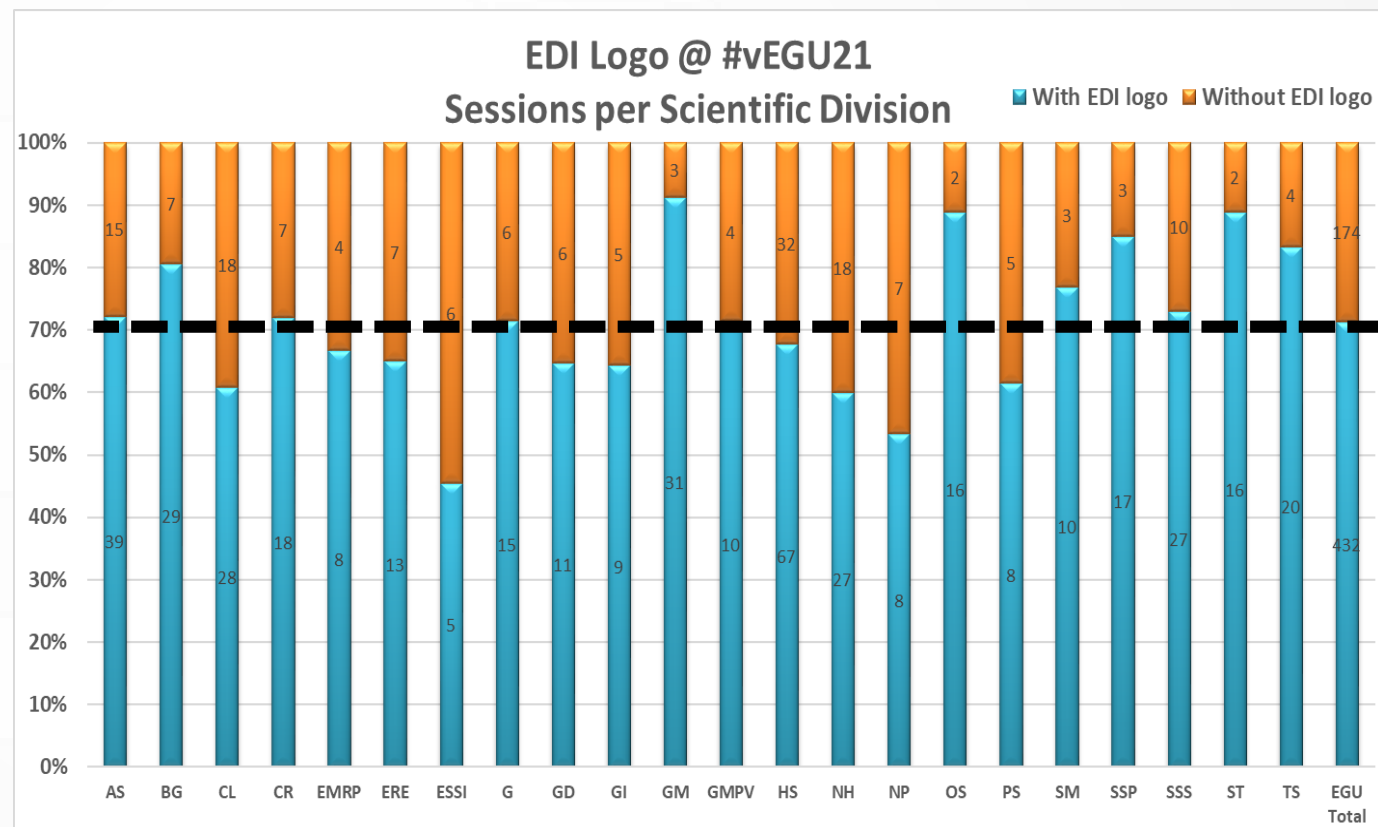
Equality, Diversity and Inclusion (EDI) Events at vEGU21

- SC2.8 Promoting Diversity in Geosciences | 19 Apr 10:00 – 11:00 CEST
- SC2.9 Practical Recommendations on how to combat discriminatory work environments in the Geosciences | 19 Apr 14:30 – 15:30 CEST
- EOS5.1 Promoting and supporting equality, diversity and inclusion in the geosciences | 26 Apr 11:00 – 14:15 CEST
- GDB5 Bullying in Academia: towards creating a healthy and safe working environment (ECS Great Debate) | 22 Apr 09:00 – 10:30 CEST
- GDB1 Challenging discrimination in the geosciences: Amplifying unheard voices | 26 Apr 15:00 – 16:30 CEST
- NET0 Picture a Scientist Film Screening | 24 - 26 Apr
- EDI Networking Event | 26 Apr 17:00 – 17:30 CEST
- EGU Pride | 19 Apr 17:30 – 19:00 CEST
- EGU EDI Colouring Book



Session conveners fulfill all three criteria:

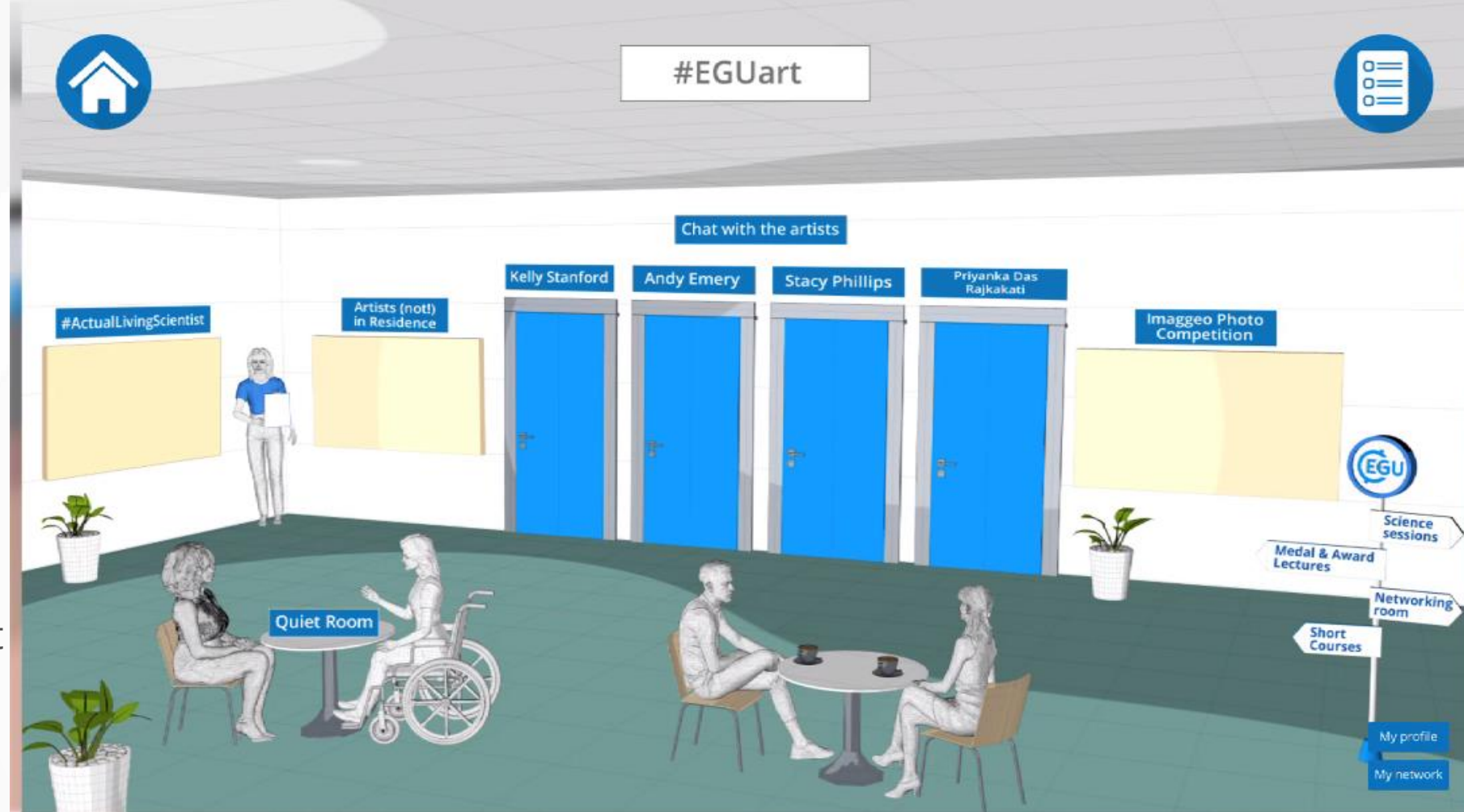
1. Include conveners from **multiple countries and institutes**
2. Have conveners from **different career stages**, including at least one ECS
3. Include conveners that represent **more than one form of gender identity**



Send suggestions to: edilogo@egu.eu

#EGUart

- 4 artists (not!) in residence
- #EGUart room in platform
- #ActualLivingScientist (EDI initiative)
- Colouring book (EDI initiative)
- Imaggeo photo competition
- Kids Art



#vEGU21 Networking

- Scheduled networking events (Division, ECS, etc.), including on Gather.town
- Pop-up networking events
- EGU committee meet & greets
- Viennese settings (café, art exhibits, cooking)
- Quiet room (Spotify playlist)
- vEGU21 platform built-in networking capabilities (networker, handshake)



#vEGU21 outreach activities

- **EGU Public Lecture:** Günter Blöschl, Vienna University of Technology and previous EGU President, 21 Apr 18:00 CEST; link on EGU and vEGU21 websites. The lecture is hosted and organised by the Austrian Academy of Sciences.
- **EGU Mentoring:** 130 mentees successfully paired with 83 mentors.
- **Croome & Krafft award presentations** 20 Apr 18:00 CEST
- **Teaching/scientist pairing scheme** pilot project

#vEGU21 Media activities

- 6 press conferences
- New: media highlights page
- New: 5 press releases
- New: 5 media tip sheets
- Every PG represented in these materials!

Media at vEGU21
Worldwide | 19–30 April 2021

Media highlights

[Home](#) / [vEGU21 Press Centre](#) / Media highlights

Site search



The evolution of feathers

Birds are covered in feathers, but they are not the only animal to sport a colorful coat. Dinosaurs once did too, according to recent scientific findings. Researchers have uncovered fossils that show feathers existed 100 million years ago and were likely on all dinosaur groups.

[Michael Benton](#), paleontologist at the University of Bristol, UK, [presents](#) research on **Tuesday, 20 April at 15:05 CEST** covering the evolution of feathers, including how paleontologists are detecting colours and patterns of dinosaur feathers. He will also discuss new frontiers of research in paleobiology.



Dinosaurs that are 100 million years old show evidence of feathers. Scientists have discovered that *Sinosauropteryx* had ginger and white rings of feathers down its tail. Image credit: Sam / Olai Ose / Skjaervoy, CC 2.0, Flickr.

Lessons learned when an earthquake struck during the pandemic



The deadliest earthquake of 2020 occurred amid the global COVID-19 pandemic. When a magnitude-6.9 quake struck the eastern Aegean Sea in October, 119 people died in Turkey and Greece, predominantly from buildings collapsing. It was the scene emergency responders and natural hazards scientists had feared: a major quake occurring during the pandemic.

Normal actions immediately following an earthquake — like search and rescue, first-aid treatment, and setting up emergency shelters — were riskier and more challenging because of COVID. For example, responders needed proper personal protective equipment, especially facemasks, and the affected

Come and meet experts working at the interface of science & policy at a [#vEGU21 networking session](#)!

Science for Policy Meet and Greet: 26 April, 16:00

Science-policy pairing scheme: a panel discussion: 27 April, 16:00

**Practice pitching your policy ask to a policymaker:
28 April, 17:00**



How can scientists effectively engage with policy? Find out during these [#vEGU21 Short Courses!](#)

- [Your Handbook to Science for Policy](#): 27 April, 10:00
- [How to influence policy through engaging with Parliaments](#): 28 April,

16:00



GI Sessions at vEGU21

Total: **714 abstracts (all)**

38 Sessions (24 Co-organized, 14 GI lead)

Abstracts in 14 GI leading sessions: 259

History:

2020	880	490
2019	1175	414
2018	1151	448
2017	912	331
2016:	612	about 250
2015:	465	
2014:	524	
2013:	435	
2012:	335	
2011:	305	
2010:	180	

GI1 – General sessions on geoscience instrumentation

<p>GI1.1</p> <p>Open session on geoscience instrumentation and methods</p> <p>Convener: Vira Pronenko Co-conveners: Lara Pajewski, Francesco Soldovieri</p>	<p>23</p>
<p>GI1.2</p> <p>New frontiers of multiscale monitoring, analysis, modeling and decisional support (DSS) of environmental systems</p> <p>Co-organized by EMRP2/NH8/NP8/SSS10 Convener: Pietro Tizzani Co-conveners: Francesca Bianco, Antonello Bonfante, Raffaele Castaldo, Nemesio M. Pérez</p>	<p>10</p>

GI2 – Data networks and analysis

GI2.1

Data fusion, integration, correlation and advances of non-destructive testing methods and numerical developments for engineering and geosciences applications

26

Convener: Andrea Benedetto | Co-conveners: Morteza (Amir) Alani, Andreas Loizos, Francesco Soldovieri, Fabio Tosti^{ECS}

GI2.2

10 years after the Fukushima accident : Geoscience problems related to massive release of radioactive materials by nuclear accidents and other human activities

35

Co-organized by AS4/BG1/GM12/NH8/SSS7

Convener: Daisuke Tsumune | Co-conveners: Nikolaos Evangeliou, Yasunori Igarashi^{ECS}, Liudmila Kolmykova^{ECS}, Masatoshi Yamauchi

GI3 – Planetary and space instrumentation

GI3.2

Open session on planetary and space instrumentation

Co-organized by PS6, co-sponsored
by ILEWG, ITACCUS, EuroMoonMars

Convener: Håkan Svedhem | Co-
conveners: Bernard Foing, Maïke Brigitte
Neuland

14

GI4 – Atmosphere and ocean monitoring

GI4.1

Cosmic rays across scales and disciplines: the new frontier in environmental research

Co-organized by AS4/PS4

9

Convener: Martin Schrön^{ECS} | Co-conveners: Konstantin Herbst^{ECS}, Markus Köhli^{ECS}, W. Rühm, Marek Zreda

GI4.2

Lidar remote sensing of the atmosphere

Co-organized by AS5

18

Convener: Andreas Behrendt | Co-conveners: Paolo Di Girolamo, Andreas Fix, Michael Sicard, Julien Totems

GI5 – Earth surface and subsurface methods of investigation






<p>GI5.1</p> <p>Underground research</p> <p>Convener: Jari Joutsenvaara^{ECS} Co-conveners: Vera Lay^{ECS}, Andrus Paat^{ECS}</p>	9
<p>GI5.4</p> <p>Underground laboratories, test-sites and their networks</p> <p>Convener: Marcus Laaksoharju Co-conveners: Jari Joutsenvaara^{ECS}, Vera Lay^{ECS}</p>	11
<p>GI5.5</p> <p>Uncrewed aerial vehicle (UAV) as a new, emerging instrument in Geosciences</p> <p>Convener: Misha Krassovski Co-convener: Juri Klusak</p>	8
<p>GI5.6</p> <p>Instrumentation & measurements for water systems</p> <p>Co-organized by BG2/ESSI2/HS13</p> <p>Convener: Andrea Scozzari Co-conveners: Anna Di Mauro^{ECS}, Francesco Soldovieri</p>	19

GI6 – Multidisciplinary sessions on geoscience instrumentation, data networks and analysis

<p>GI6.1</p> <p>Remote sensing for environmental monitoring</p> <p>Co-organized by ESSI1/GMPV9/NH6</p> <p>Convener: Annalisa Cappello^{ECS} Co-conveners: Sabine Chabrillat, Gaetana Ganci, Gabor Kereszturi^{ECS}, Veronika Kopackova</p>	25
<p>GI6.2</p> <p>Geoscience applications of environmental radioactivity</p> <p>Convener: Virginia Strati^{ECS} Co-conveners: Xuemeng Chen^{ECS}, Anita Erőss, Viktor Jobbágy, Gerti Xhixha</p>	24
<p>GI6.4</p> <p>Airborne observations in multidisciplinary environmental research using European Research Infrastructures; observations, campaigns and future plans</p> <p>Co-organized by AS5/BG2</p> <p>Convener: Thomas Ruhtz Co-conveners: Sven Fahrner, Paola Formenti, Felix Friedl-Vallon, Shridhar Jawak^{ECS}</p>	28

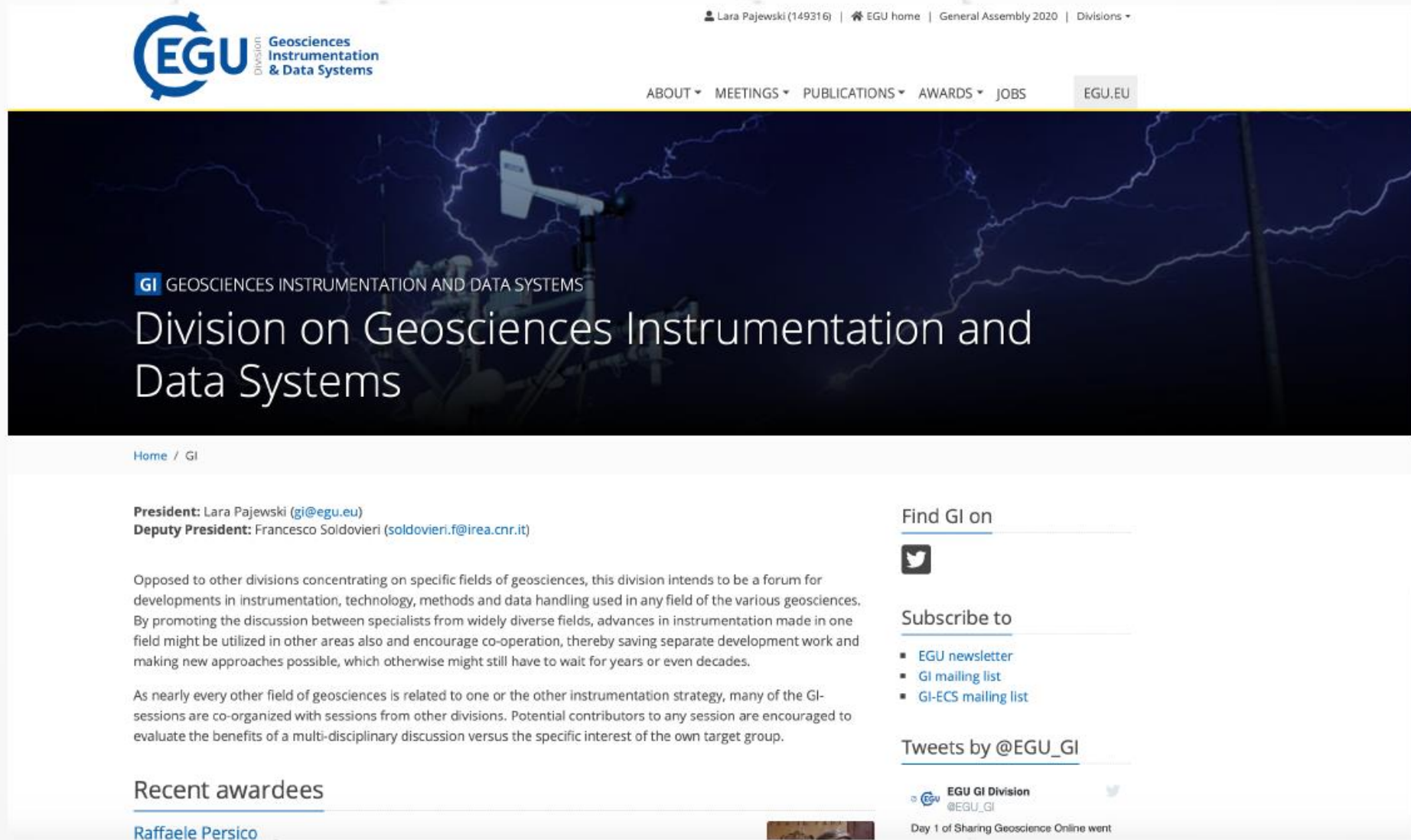
GI Session Organization Group

For each sub-programme group, a responsible is appointed in order to solicit new session proposals and propose sessions themselves to fill thematic gaps, interact and get suggestions/request from conveners, and help the Division President in setting-up the Division Programme at the General Assembly.

GI – Geosciences Instrumentation & Data Systems (#EGU20GI)		
	GI Programme Group Chair	Lara Pajewski 
G1	General sessions on geoscience instrumentation	Vira Pronenko
G2	Data networks and analysis	Masatoshi Yamauchi 
G3	Planetary and space instrumentation	Bernard Foing 
G4	Atmosphere and ocean monitoring	Bernard Foing 
G5	Earth surface investigation methods	Jean Dumoulin 
G6	Multidisciplinary sessions on geoscience instrumentation,.....	Lara Pajewski

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The screenshot shows the official website of the EGU Geosciences Instrumentation and Data Systems (GI) Division. The header features the EGU logo and navigation links for 'ABOUT', 'MEETINGS', 'PUBLICATIONS', 'AWARDS', 'JOBS', and 'EGU.EU'. The main banner displays the division's name over a background image of a camera on a tripod. Below the banner, the website provides contact information for the President and Deputy President, a description of the division's mission, and a list of recent awardees. On the right side, there are sections for finding the GI division on social media, subscribing to newsletters, and viewing tweets.

EGU Geosciences Instrumentation & Data Systems

ABOUT ▾ MEETINGS ▾ PUBLICATIONS ▾ AWARDS ▾ JOBS EGU.EU

GI GEOSCIENCES INSTRUMENTATION AND DATA SYSTEMS

Division on Geosciences Instrumentation and Data Systems

Home / GI

President: Lara Pajewski (gi@egu.eu)
Deputy President: Francesco Soldovieri (soldovieri.f@irea.cnr.it)


Opposed to other divisions concentrating on specific fields of geosciences, this division intends to be a forum for developments in instrumentation, technology, methods and data handling used in any field of the various geosciences. By promoting the discussion between specialists from widely diverse fields, advances in instrumentation made in one field might be utilized in other areas also and encourage co-operation, thereby saving separate development work and making new approaches possible, which otherwise might still have to wait for years or even decades.

As nearly every other field of geosciences is related to one or the other instrumentation strategy, many of the GI-sessions are co-organized with sessions from other divisions. Potential contributors to any session are encouraged to evaluate the benefits of a multi-disciplinary discussion versus the specific interest of the own target group.

Recent awardees

[Raffaele Persico](#)


Find GI on



Subscribe to

- EGU newsletter
- GI mailing list
- GI-ECS mailing list

Tweets by @EGU_GI

 **EGU GI Division**
@EGU_GI

Day 1 of Sharing Geoscience Online went

GI on social media

😊 GI has a Twitter profile (@EGU_GI).

Facebook, LinkedIn and Instagram profiles could be set up in the near future.

To create a blog and make the GI presence on social media stronger, GI needs to create a Communication Team, composed by the blog editors and by the social media account administrators

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Christiaan Huygens Medal

The [Christiaan Huygens](#) Medal was established by the Geosciences Instrumentation and Data Systems Division to recognise significant contributions in fields within the scope of the division.

The medal is awarded for an innovation, development or discovery that has had major impact in its field, or for a series of contributions, during an extended period, that has led to significant progress.

The medal has been exclusively designed for the EGU by [József Kótai](#).



Previous Christiaan Huygens Medal Recipients



Lev V. Eppelbaum
2019



Iothiram
Vivekanandan
2018



Riccardo Lanari
2017



Karl U.
Schreiber
2016



Kristine M. Larson
2015



Martin
Hürlimann
2011



Jean-Loup
Bertaux
2010



Valery
Korepanov
2009



Horst Uwe
Keller
2008

Christiaan Huygens Medal 2020



The 2020 Christiaan Huygens Medal is awarded to **Raffaele Persico** for remarkable work on both the theoretical foundations and practical applications of Ground Penetrating Radar technology.

Christiaan Huygens Medal 2020 Lecture

«Multi-length probes in GPR and TDR data», **27 April 2021, 10.30-11.15**

Christiaan Huygens Medal 2021



The 2021 Christiaan Huygens Medal is awarded to R. Giles Harrison for his outstanding achievements in the development of instruments and new techniques for the study of atmospheric electricity.

Christiaan Huygens Medal 2021 Lecture

“Perspicacity... and a degree of good fortune”: opportunities for revealing the natural world, 27 April 2021, 11.15-12.00

Christiaan Huygens Medal Committee 2021

Chair: Susana Barbosa

Current Members: Riccardo Lanari (4° term)
Jothiram Vivekanandan (3° term)
Lev Eppelbaum (2° term)
Raffaele Persico (1st term)

Outcoming member: Riccardo Lanari (4° term)

Proposed new member for 2022: **Giles Harrison (this year's medallist)**

Proposal of new composition of Christiaan Huygens Medal Committee 2022

Chairman: Susana Barbosa

Current Members: Jothiram Vivekanandan (4^o term)
Lev Eppelbaum (3^o term)
Raffaele Persico (2nd term)
Giles Harrison (1st term)

The new composition is approved !

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2021 GI Division Outstanding Early Career Scientist Award



The 2021 Division Outstanding Early Career Scientist Award is awarded to Roberto Pierdicca for his contributions to the development of innovative methodologies that use augmented- and virtual-reality techniques to make cultural heritage digitally accessible and for environmental monitoring.

GI Division Outstanding ECS Award Lecture 2021
GeoAI:artificial intelligence for interpretation and processing of complex geomatic data, 27 April 2021, 11.15-12.00



- » EGU features an extensive awards and medals programme on all career stages
- » Nominations are exclusively by EGU members* while candidates do not need to be EGU members. (*An exception is one award to promote excellence in journalism allowing nominations from non-members and self nominations)
- » Individual award and medal committees are then evaluating the nominations selecting the most deserving candidate based on scientific achievements**. (**plus one medals each for journalism, outreach and service to the union)



How to nominate

Where: <https://www.egu.eu/awards-medals/nominations/>

When: from now to June 15

What is required:



EGU awards & medals

How to nominate

Where: <https://www.egu.eu/awards-medals/nominations/>

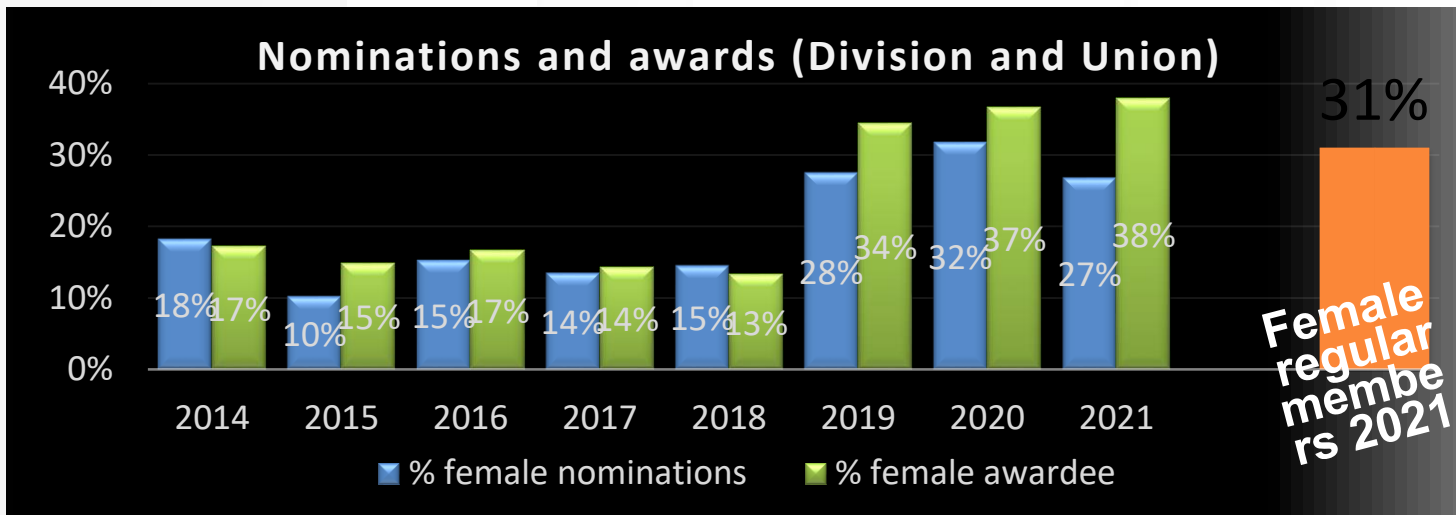
When:

What is required

	Division and Union medals	Outstanding Early Career Scientists Awards
Nomination letter	1 page	½ page
Curriculum Vitae	2 pages	1 page
Selected bibliography	2 pages	½ page
Supporting letters	3-5 (maximum 1 page each)	-



We encourage **all** members to contribute to the awards program by nominating suitable candidates
 When nominating please think about people who may have been overlooked in your discipline



Over the past years the fraction of awards and medals obtained by women has increased. This is due to the increase in nominations.

Equality of opportunities in geosciences: The EGU Awards Committee experience

Session EOS5.1, abstract EGU21-651

<https://meetingorganizer.copernicus.org/EGU21/EGU21-651.html>

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Virtual OSSP Contest 2021

After the OSSP contest was cancelled in 2020 due to the pandemic, a new one is organized this year with slightly different regulations to comply with the virtual format of the EGU General Assembly 2021.

The regulations and procedures for the vOSSP contest are as follows.

- **Registration for the vOSSP contest was possible until 31 March 2021.**

- This year, all participants are eligible for the contest, as long as they are the first and presenting author of the vPICO abstract, and are either currently a BSc or MSc student or PhD candidate, or obtained their degree after 1 January 2020.

- **All vOSSP participants are clearly indicated as such in the final programme. It is therefore not necessary this year to integrate the OSSP label into the presentations.**

- **All registered EGU participants are invited to vote on vOSSP presentations**, as long as they are neither BSc or MSc students or PhD candidates themselves, are not participating in vOSSP, are not a co-author of the presentation, and do not share the same affiliation as the first author.

- **The shortened evaluation form is directly integrated into the online abstract HTML page for easy access and only refers to the uploaded display materials for judging. Therefore, authors of abstracts participating in vOSSP are obliged to upload display materials from 31 March 2021.**

- The evaluation criteria are as follows:

- Relevance of the study
- Scientific accuracy
- Clarity of presentation

- It is this year therefore not necessary for session conveners to appoint judges, since all participants are allowed to judge.

Conveners are, however, explicitly asked to vote on vOSSP presentations within their session and to invite session participants to do the same.

GI-OSSP coordinator: Misha Krassovski

40 applications 1 Award

https://egu21.eu/guidelines/ospp_guidelines.html

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GI Structure

President	Lara Pajewski	gi@egu.eu
Deputy President	Francesco Soldovieri	soldovieri.f@irea.cnr.it
Programme Group Chair	Lara Pajewski	gi@egu.eu
Science Officers	Nicola Masini	n.masini@ibam.cnr.it
	Cultural and Archaeological Heritage	
	Dirk Fleischer	dfleischer@kms.uni-kiel.de
	Data systems and Publishing	
	Bernard Celerier	
	Downhole Instrumentation	
	Andrey Marusenkov	
	Electromagnetic and Acoustic Sounding	
	Jean Dumoulin	jean.dumoulin@univ-eiffel.fr
	Infrastructure instrumentation and monitoring	
Sub-Programme Groups	Ari-Matti Harri	ari-matti.harri@fmi.fi
	Instrumentation for Polar Regions and Harsh Environment	
	Torben Mikkelsen	
	Ocean and Atmosphere Instruments	
	Bernard Foing	foing@strw.leidenuniv.nl
	Space instrumentation	
	Vira Pronenko	pron@isr.lviv.ua
	PG1: General Sessions on Geoscience Instrumentation	
	Masatoshi Yamauchi	m.yamauchi@irf.se
	PG2: Data Networks and Analysis	
	Bernard Foing	foing@strw.leidenuniv.nl
	PG3: Atmosphere and Ocean Monitoring, Space Instrumentation	
	Jean Dumoulin	jean.dumoulin@univ-eiffel.fr
	PG4: Earth Surface Investigation Methods	
Christiaan Huygens Medal Chair	Susana Barbosa	susana.a.barbosa@inesctec.pt
OSPP Coordinator	Misha Krassovski	krassovskimb@ornl.gov
ECS Representative	Tim van Emmerik	ecs-gi@egu.eu



GI Science Officers

The team of Science Officers needs to be partially renewed and before the next

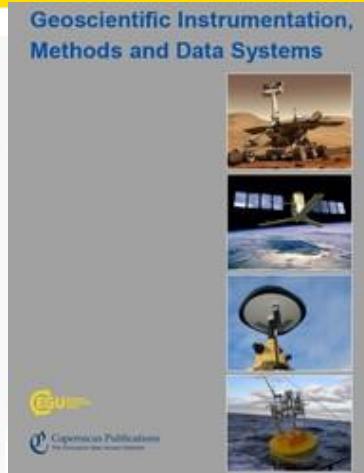
GI Division meeting we need to seek new candidates.

It is crucial to keep in mind GENDER BALANCE (currently we have only male Science Officers!!) and GEOGRAPHICAL INCLUSIVENESS.

I also hope that some ECSs are elected as new Science Officers.

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Geoscientific Instrumentation, Methods and Data Systems (GI) IF 1.182

Geoscientific Instrumentation, Methods and Data Systems (GI) is an open-access interdisciplinary electronic journal for swift publication of original articles and short communications in the area of geoscientific instruments. It covers three main areas: atmospheric and geospace sciences, Earth science, and ocean science. A unique feature of the journal is the emphasis on synergy between science and technology that facilitates advances in GI.



Geoscientific Model Development (GMD) IF 5.24

Geoscientific Model Development (GMD) is an international scientific journal dedicated to the publication and public discussion of the description, development, and evaluation of numerical models of the Earth system and its components.

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Election of GI ECS Representative

Early Career Scientist

- » An Early Career Scientist (ECS) is a student, a PhD candidate, or a practising scientist who received their highest certificate (e.g. BSc, MSc or PhD) within the past seven years. The seven-year period can be extended to allow for periods when the scientist was not working in science because of, but not limited to, caring and/or parental responsibilities, disability, personal illness, community obligations or national service.
- » For the purpose of the awards the nominee should satisfy one of the above criteria by 1 January of the year when the award is presented.

<https://www.egu.eu/awards-medals/ecs-definition/>

Election of GI ECS Representative

ECS Representatives are a crucial link between the EGU and the ECS community.

They are vital in providing feedback from students and early career researchers, so that we can take action to improve our early career scientists activities at the EGU General Assembly and maintain our support for early career scientists throughout the year.

As well as giving you the platform to interact with a large network of researchers in your field, being an early career scientists representative is a great opportunity to build on your communications skills, boost your CV and influence the activities of Europe's largest geoscientific association.

Election of GI ECS Representative

Within each Division, representatives can take on a variety of tasks, according to their areas of expertise and interest.

These can include (but aren't limited to):

- organising events for early career scientists at the annual GA,
- outreach to early career scientists and the wider public through social media or a division blog,
- establishing a mentoring programme for other early career scientists.

ECS representatives serve for two years, they are able to serve for a maximum of two terms, and they must fulfil the definition of EGU ECS.

Election of GI ECS Representative

The EGU Geosciences Instrumentation and Data System (GI) Division shall elect a new ECS Representative, as the current representative is ending his second term in April 2021.

We would like to thank **Tim van Emmerik** for the work he has done as GI ECS Representative in the past two years.

An open call for the election of the new representative was launched and one excellent eligible application was received.

Dr. Megzeen Rasol
PhD in Infrastructure Assessment by means of NDT
Universitat Politecnica de Cataluna
Barcelona Spain

Candidate of GI ECS Representative

Mezgeen Rasol, PhD

Mezgeen Rasol

A. Academic CV

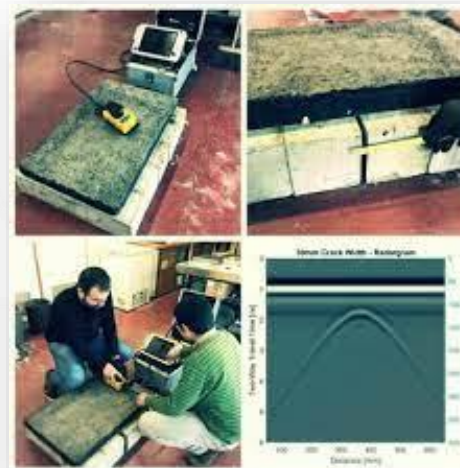
- 1. Postdoctoral Fellow**
IFSTTAR, Gustave Eiffel University, France
May, 2021 -
- 2. PhD Researcher**
Polytechnic University of Catalonia, Spain
2017-2021
- 3. Researcher**
Duhok Polytechnic University, Kurdistan (Iraq)
2014-2017
- 4. Research Assistant (MSc)**
Eastern Mediterranean University, Cyprus
2012-2014

B. Research interests

- Civil engineering;
- Ground Penetrating Radar (GPR);
- NDT applied to structural damage assessment;
- Structural health monitoring;
- Transport infrastructure assessment;
- Seismic risk assessment;
- Numerical modelling and data analysis
- Sensors

C. Volunteering experience

- 1.** MC-Substitute and WG Member in several COST ACTIONS
- 2.** RILEM TC Committees; 262-SCI and CCS-287, 2020- Present
- 3.** ACI TC Committees, 2014-Present
- 4.** ACI Iraq Chapter/Education committee , 2014 – 2017
- 5.** Member in ACI, ASTM, ASCE, EGU, KEU, EERI, RILEM



Detection of cracks by GPR, 2018



Pavement inspection by NDT, 2019

Mezgeen Rasol

D. ECS Rep. Mission

1. Increase visibility, activities and strong Early Career Scientist network within GI.
2. Active participation in the scientific community.
3. Collaborate with other relevant EGU divisions to disseminate joint activities.

E. ECS Rep. Objectives

- Build an active and strong ECS committee through EU;
- Outreach and advertising through LinkedIn, Twitter and Blogs;
- Organize possible sessions with GI chair at EGU22 and EGU23;
- Continue on Inter-division activities from EGU20 ECS Rep..
- One day workshop on GI and ECS role to develop an ECS network.
- Joint collaboration with other ECS in Europe and worldwide.
- Webinars from former ECS representatives to explore their experience at GI; Dr.Fabio Tosti and Dr.Tim Van Emmerik (will contact them for such webinars) to inspire new ECS members.



Shallow geology assessment, 2017



**Dr. Mezgeen Rasol is appointed
as GI ECS Representative
without any objection from the attendants**

No any other business

Thank you and Enjoy the Conference!