

ESSI Division Meeting

7 May 2020

12:45-13:45

Helen Glaves

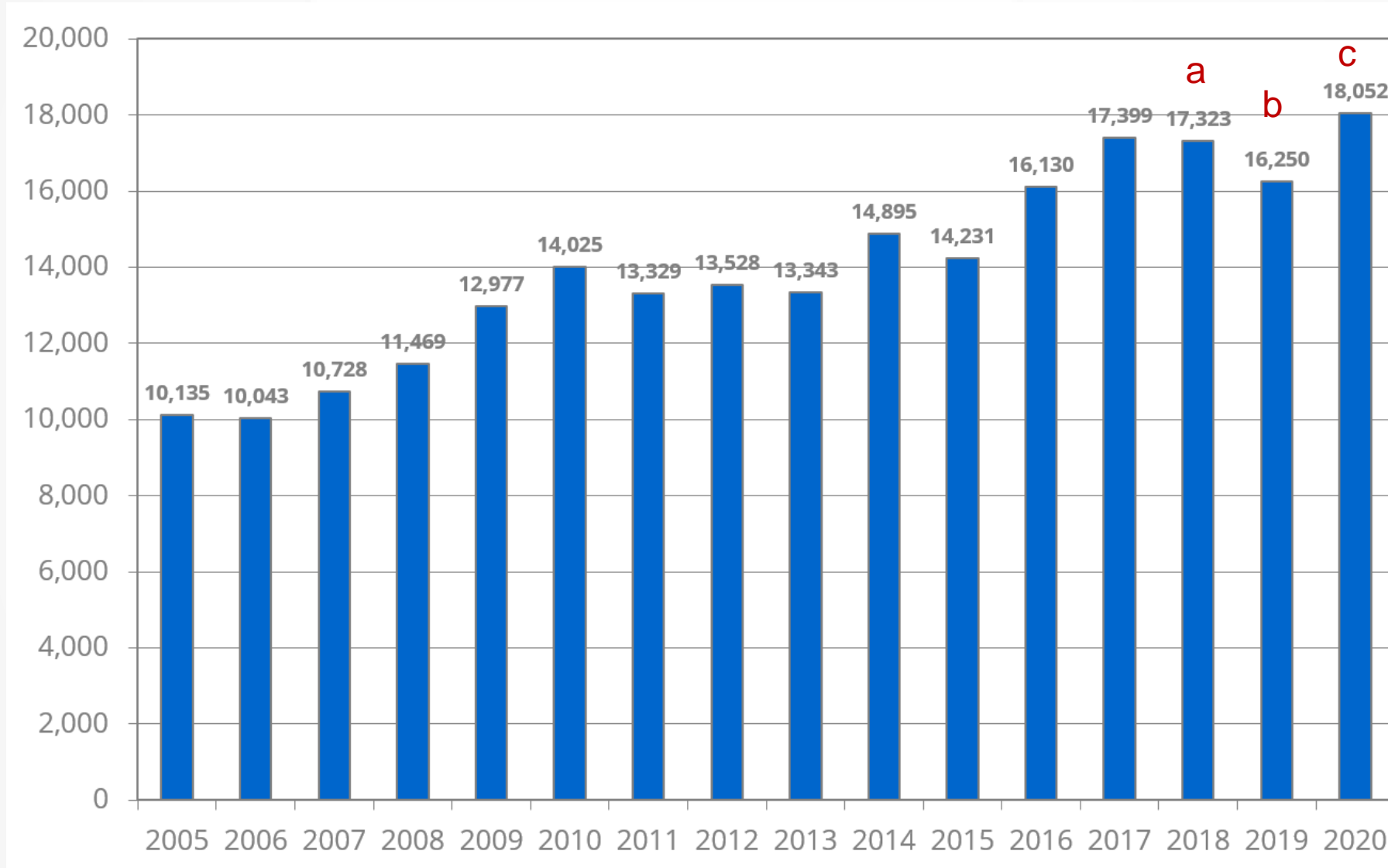


Meetings | Publications | Outreach |

GA2020 statistics (at 27 April 2020)

- 18,052 abstracts in programme | +11.1% relative to 2019
- 702 unique scientific sessions
- 440 out of 702 scientific sessions are co-organized (62.7%), thereof 37 ITS
- 6 out of the 88 planned short courses now online
- 1,135 presentation materials uploaded
- 82 comments to uploaded presentation materials received

Abstracts in the programme 2005 – 2020



- a) 2018: withdrawal of no-show abstracts
- b) 2019: one first-author abstract rule
- c) 2020: physical GA cancelled 19 March; part of the GA moved online

Sharing Geoscience Online: New concept

- Online? Yes! Because it is EGU's responsibility to help minimise the impact of COVID-19 on scientific research and collaboration
- Pilot experiment (we would like feedback!)
- Free registration
- Our considerations:
 - Science submitted to the General Assembly 2020 can be presented and shared
 - All authors and conveners can participate, across different time zones
 - Sharing Geoscience Online is accessible (in terms of bandwidth, for anyone with hearing or visual difficulties)
 - The concept works for all presentation types: oral, poster and PICO

Sharing Geoscience Online in a nutshell

Our concept of Sharing Geoscience allows:

- Authors to upload presentation materials and receive feedback on those from 1 April to 31 May 2020)
- Conveners, authors and attendees to discuss abstracts, presentation materials and submit questions during a dedicated live, text-based chat session (4 – 8 May)
- Everyone to participate in Union Symposia, Great Debates, Short Courses, Networking, Division Meetings, #shareEGUart, Photo Competition, Data Help Desk and more
- EGU to gather experience with online activities and use these in plans for reducing the environmental impact of the General Assembly



What is on during Sharing Geoscience Online?

- **Scientific sessions:** download presentation materials, discuss through public commenting, and participate in live text-based chats. More information on the [scientific sessions' page](#).
- **Union symposia:** 5 interactive webinars discuss overarching and interdisciplinary topics of EGU-wide interest.
- **Great debates:** join in the debate of 5 current discussion topics in the geosciences.
- **Short courses:** each day one or two short courses are available as webinars.
- **Townhall meetings:** join in the discussion of new initiatives and opportunities of geoscientific interest via live, text-based chat.
- **Photo Competition:** vote in the online EGU Photo Competition.
- **#shareEGUart:** follow our online artists, Stacy Phillips and Priyanka Das Rajkakati, and share your own creativity around your research with the hashtag #shareEGUart.
- **Division meetings:** update yourself on division news and give feedback.
- **Networking events:** meet your colleagues.

What is Sharing Geoscience Online?

EGU2020: Sharing Geoscience Online (#shareEGU20) brings part of the activities of the EGU General Assembly 2020 online. [From 4 to 8 May 2020 \(CEST\) everyone can join us](#) for their favourite sessions. Please have a look on our [EGU2020: Sharing Geoscience Online page](#) and follow [EGU's social media accounts and hashtags](#) for more information.

Participation in EGU2020: Sharing Geoscience Online **does not require payment of a registration fee**. For uploads of presentation materials and commenting, authors and participants only need to have a [Copernicus user account](#). Viewing abstracts and presentation materials does not require any authentication. Participating in text-based session chat channels requires the provision of a nickname and your email address. To organize your participation, please consider preparing your [personal programme](#). To learn more about the chat channels, please see our page on [how to use the chats](#).

Useful links

- [EGU2020: Sharing Geoscience Online at a glance](#)
- [FAQs on participating in Sharing Geoscience Online](#)
- Scientific sessions for [authors](#), [conveners](#), and [attendees](#)
- [How to use the chats](#)

Presentation upload & management

EGU's Code of Conduct

Participation in EGU2020: Sharing Geoscience Online implies agreement to [EGU's Code of Conduct](#). If you experienced infringements against these rules please contact conduct@egu.eu.

Virtual Data Help Desk EGU 2020

4–8 May 2020

- Engage with Data Experts
- Learn Skills and Techniques
- Make your Data Open and FAIR



Ask questions through twitter via **#DataHelpDesk**



View short tutorials and demos. Details: bit.ly/DataHelpEGU20



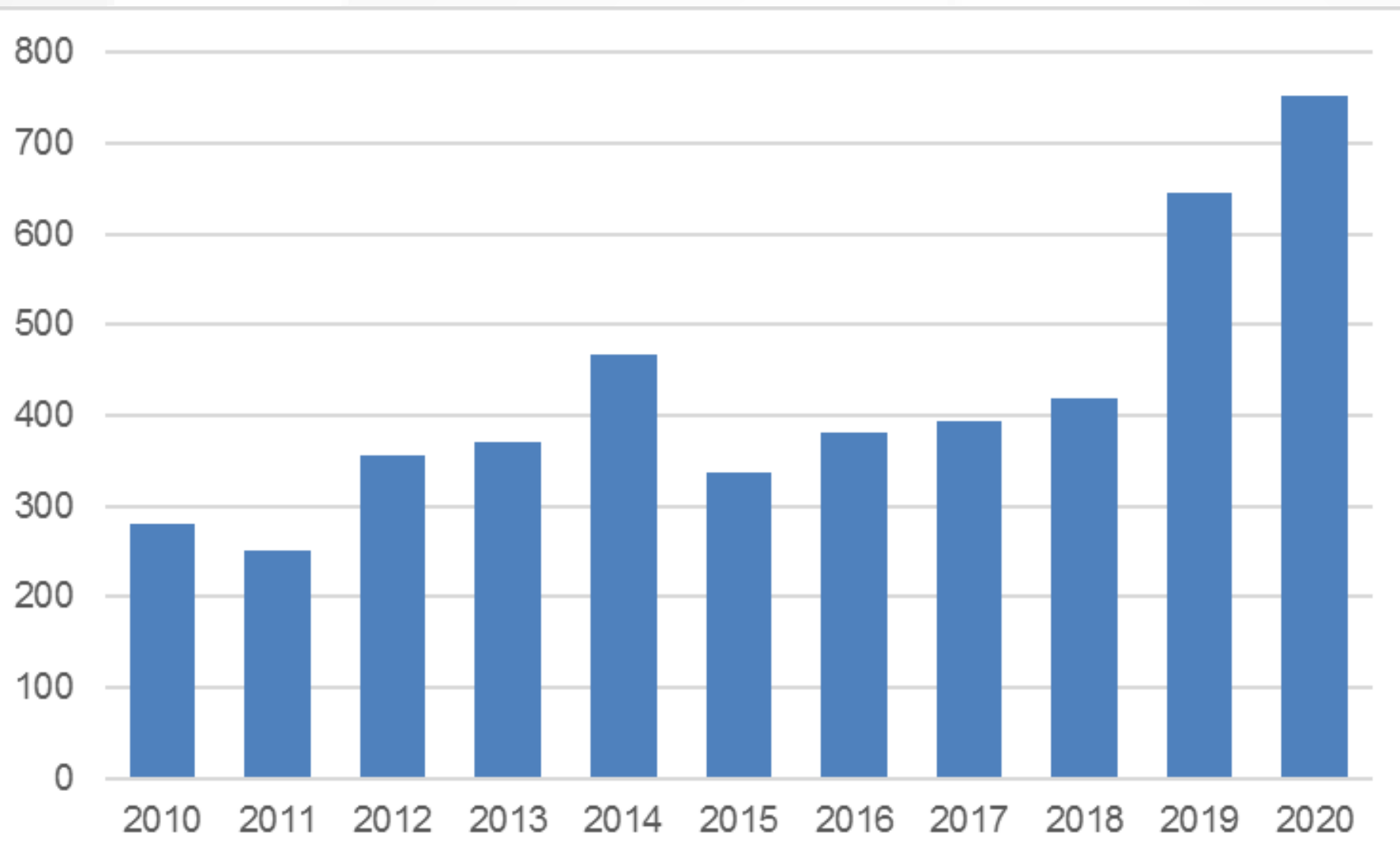
A program of EGU, AGU, ESIP,
EarthCube, and their partners.



Code of Conduct

- Participation in EGU2020: Sharing Geoscience Online implies agreement to EGU's Code of Conduct, <https://www.egu.eu/about/code-of-conduct/>
- The Code of Conduct is flagged when uploading materials, when commenting, when entering the chat
- Violations or concerns to be reported to **conduct@egu.eu**

Contributions in ESSI (2010 – 2020)



EGU Abstracts: 18,052

ESSI abstracts: 724

ESSI sessions: 12

Co-organised: 19

Total: 31

ESSI 1: Community-driven challenges and solutions dealing with Informatics

Sessions: 12

(3 division-led / 7 co-organised / 2 short courses)

Displays: 41 (245)

ESSI 2: Infrastructures across the Earth and Space Sciences

Sessions: 17

(5 division-led / 9 co-organised / 3 short courses)

Displays: 86 (358)

ESSI 3: Open Science 2.0 Informatics for Earth and Space Sciences

Sessions: 4

(4 division-led)

Displays: 70 (70)

ESSI 4: Visualization for scientific discovery and communication

Sessions: 3

(3 co-organised)

Displays: 0 (51)

- **ESSI 1: Community-driven challenges and solutions dealing with Informatics**
 - Kerstin Lehnert
 - Dirk Fleischer
- **ESSI 2: Infrastructures across the Earth and Space Sciences**
 - Horst Schwichtenberg
 - Wim Som de Cerff
 - Paolo Mazzetti
- **ESSI 3: Open Science 2.0 Informatics for Earth and Space Sciences**
 - ***Vacant*** ***(Proposed: Kerstin Elger)***
 - Pierre Philippe Mathieu
- **ESSI 4: Visualization for scientific discovery and communication**
 - Jon Blower
 - Mohan Ramamurthy
- **ESSI 5: General contributions**

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- **ESSI 5: General contributions**

- **ESSI 1: Community-driven challenges and solutions dealing with Informatics**

Dr Kirsten Elger is proposed as
co-convenor for sub-program group ESSI3

Any objections to the ESSI Division President
(Email: essi@egu.eu)

Before 22 May 2020

- **ESSI 4: Visualization for scientific discovery and communication**
 - Jon Blower
 - Mohan Ramamurthy
- **ESSI 5: General contributions**



ESSI Division Structure: Leadership



Helen Graves
ESSI Division President

Elected: 2017 – 2019
Re-elected: 2019 - 2021



Jens Klump
Division President Elect

Division President 2020 – 2023

**Professor Jane Hart is proposed as
ESSI Deputy Division President**

Any objections to the ESSI Division President
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Before 22 May 2020

Elected: 2017 – 2019
Re-elected: 2019 - 2021

Division President 2020 – 2023



ESSI Division President: next election

- Next EGU election (Divisions): November 2021
- Successful candidate: deputy president from EGU GA 2022 (1 year)
- Assumes role of Division President at EGU GA 2023 (2 years)
- All EGU members are eligible
- Division President can only stand once for re-election (usually 4 years in total)
- Call for candidates opens June 2021

- Meteorology and Climatology Reinhard Budich
- Space *Vacant*
(Pier Giorgio Marchetti)
- Geochemistry Kerstin Lehnert
- Oceanography Antonio Novellino
- Liaison AGU ESSI Section Peter Fox
- Science Officers should promote sub-programmes and encourage their colleagues to organize sessions for the GA
- Any new volunteers?

ESSI Early Career Scientist (ECS) Representative

- Early Career Scientist: EGU member receiving highest degree (BSc MSc or PhD) in last 7 years
- Early Career Scientist representatives are a crucial link between the EGU and the young scientist community
- Each division can have an Early Career Scientist representative
- ESSI ECS: one candidate nominated

**Dr. Federico Amato is proposed as
ESSI ECS Representative**

Any objections to the ESSI Division President
(Email: essi@egu.eu)

Before 22 May 2020



My research interest is the study of the interaction between spatial and temporal components of environmental and geographical phenomena, and their consequences in terms of spatial planning and urban geography. My recent work has focused on the analysis of land use dynamics and its relationship with climate, pollution, natural hazards and other social/economic phenomena. I collaborate with the Italian association "[Liberascienza](#)" to support their science communication activities.

Motivation

The ESSI division is growing, and so is the number of ECS in it. I expect to contribute to construct a clear portrait of ECS needs and expectation, helping to develop activities that can support the promotion of their research, a wider comprehension of the Division and General Assembly structure, and the creation of a real community that keeps in touch throughout the entire year and not only during the general assembly.



Ph.D. in Innovation and Sustainable Development Engineering

Currently Postdoctoral Research Fellow in Environmental Data Mining at the University of Lausanne

Short bio

My research interest is the study of the interaction between spatial and temporal components of environmental and geographical phenomena, and their consequences in terms of spatial planning and urban geography. My recent work has focused on the analysis of land use dynamics and its relationship with climate, pollution, natural hazards and other social/economic phenomena. I collaborate with the Italian association "[Liberascienza](#)" to support their science communication activities.

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ECS participation in the ESSI Division

Abstracts tagged as ECS:

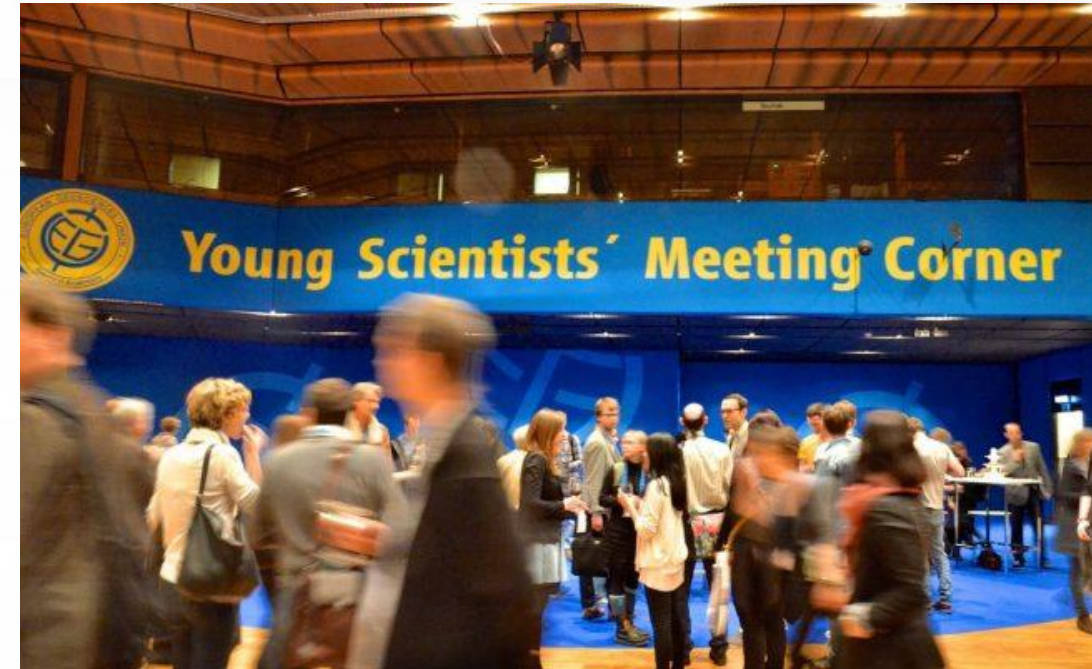
- ESSI 368 / 724 (51%)
- EGU 9625 / 18,052 (53%)

We need more:

- ESSI ECS oral presentations
- ESSI ECS conveners/chairs

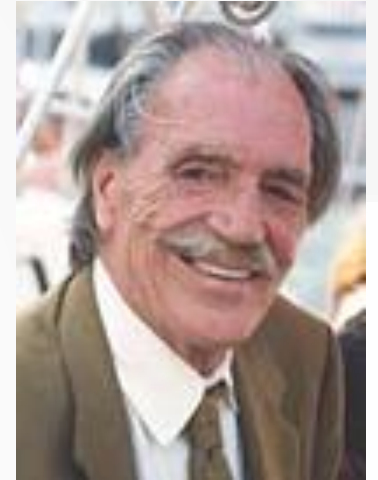
EGU guideline specifically encourages

- ECS Session chairs
- 2 oral presentations by ECS per time block



ESSI Awards: Ian McHarg Medal

- ESSI Division Medal
- Awarded for distinguished research in Information Technology applied to the Earth and space sciences.
- In recognition of the scientific achievements of Ian McHarg
 - a pioneer of the concept of ecological planning
 - provided the basic concepts of Geographic Information Systems (GIS)



<https://www.egu.eu/awards-medals/portrait-ian-mcharg/>

ESSI Awards: Our medallists



2020
Paul Wessel



2019



Stefano Nativi

2018



Kerstin Lehnert

2016



Helen Graves

2013



Alessandro Annoni

2012



Peter Fox

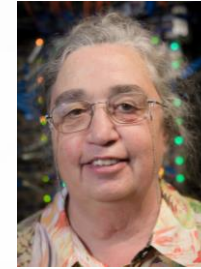
2011



Monique Petitdidier

Ian McHarg Medal committee

- Lesley Wyborn (chair)
- Paolo Diviaco
- Paolo Mazzetti
- Kerstin Lehnert
- Stefano Nativi
- **Paul Wessell**



Medal Committee approval

Any objections to the ESSI Division President

(Email: essi@egu.eu)

Before 22 May 2020

Proposed change: McHarg – Lovelace Medal

- Format change - biennial starting 2021
- Expand scope
 - include technological advances e.g. software development
 - new approaches e.g. promoting open science
- Renamed to support diversity in EGU/ESSI and highlight new format



ESSI Awards: Outstanding Student Poster and PICO (OSPP)

- Satisfy one of the following criteria:
 - current undergraduate (e.g. BSc) or postgraduate (e.g. MSc, PhD) student
 - recent undergraduate or postgraduate student presenting their thesis work.
- First author and personally presenting the poster or PICO at the conference
- Self nomination during abstract submission
- Judges (3 per submission) needed
- ESSI OSPP coordinator : ECS representative

<https://www.egu.eu/awards-medals/ospp-award/>

OSPP - Outstanding Student Poster and PICO Award


OUTSTANDING STUDENT POSTER AND PICO (OSPP) AWARDS 2019

Stephen Camilleri



EGU2019-15196 Investigating the relationship between earthquakes and online news

Stephen Camilleri, Joel Azzopardi, and Matthew R. Agius
University of Malta



AWARDS & MEDALS

Division Outstanding Early Career Scientists Award

[Home](#) / [Awards & medals](#) / Division Outstanding Early Career Scientists Award

The Division Outstanding Early Career Scientists Award (formerly Division Outstanding Young Scientists Award) recognises scientific achievements in the field covered by the related division, made by an early career scientist.

- **ESSI has never selected a recipient**
- Only EGU Division not to have given the OECS award !!!

ESSI on social media



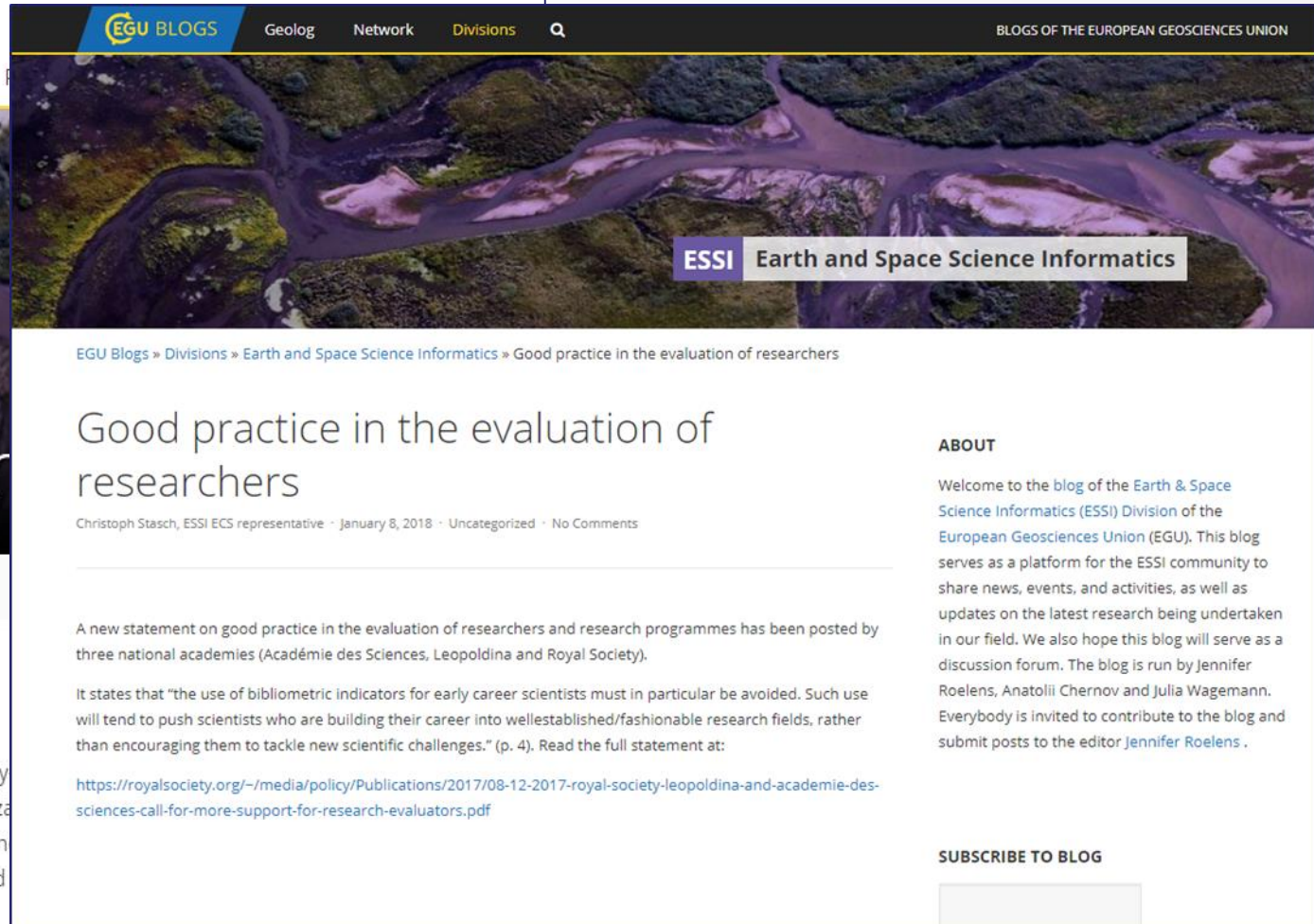
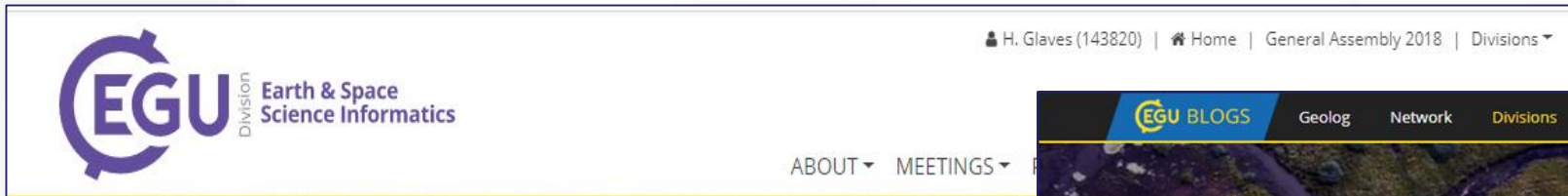
@EGU_ESSI

Find the EGU on





ESSI web pages and blog



[Home](#) / [ESSI](#)

President: Helen M. Glaves (essi@egu.eu)

Deputy President: Jens Klump (jens.klump@csiro.au)

As far as informatics and information technology are concerned, the ESSI division deals with Community multidisciplinary challenges and solutions. This include topics like: data model and metadata standardization, data infrastructure interoperability, semantics services, quality and uncertainty information encoding and propagation, geospatial data processing, environmental model accessibility, big data management, and visualization for scientific discovery.

- [ESSI mailing list](#)
- [ESSI-ECS mailing list](#)

Thank You!

essi@egu.eu