



Meetings | Publications | Outreach | www.egu.eu



Welcome to the division meeting of the

# Soil System Sciences Division

Claudio Zaccone

May 5th, 2020







Everything is reported here was shared with subdivision chairs/committee members and other SSS officers on April 30th (zoom meeting), and approved during the SSS business meeting on May 5th, 12.45-13.45 (chat only).





- ✓ Welcome and agenda
  - ✓ EGU numbers and activities
    - ✓ Awards (Duchaufour Medal, Division Outstanding ECS

Award, OSPP Award)

- ✓ Report on SSS numbers and activities
  - ✓ SSS structure and Officers





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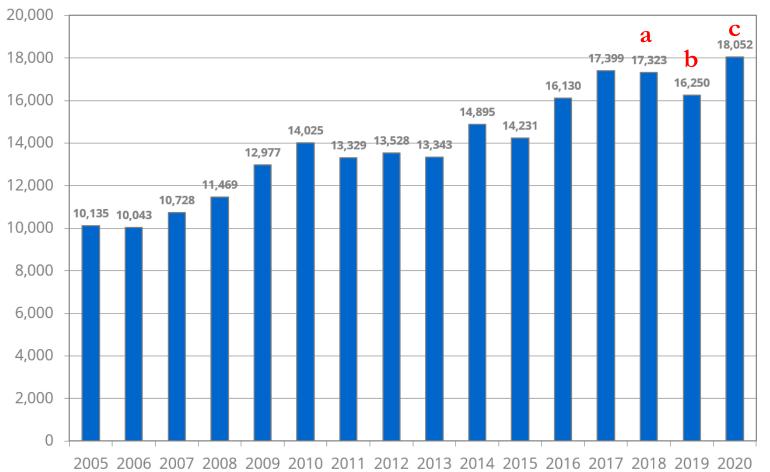




# GA2020 statistics (as of 27 April 2020, 08:30)

- 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
- 6/88 short courses online
- 1,135 presentation materials uploaded
- 82 comments to uploaded presentation materials received







- a) 2018: withdrawal of noshow abstracts
- b) 2019: one first-author abstract rule
- c) 2020: Physical GA cancelled on March 19<sup>th</sup>; part of the GA brought online

18,279 before COVID-19



#### ... following COVID-19!!!



#### Sharing Geoscience Online: New concept in very short time

- 19 March: Cancelled physical General Assembly
- 23 March: First Sharing Geoscience Online (SGO) webpages
- 31 March: All presentations turned to displays, rescheduled sessions to blocks of 30 displays
- 1 April: Open for upload of presentation materials and commenting
- 1 April: First FAQ page live
- 6 April: Webinar
- 8 April: SC plan
- 16 April: Open for upload of session materials
- 16 April: Division Meetings scheduled
- 21 April: 'how-to-use-the chat' pages
- Last week of April: Chat video and test chat channels per programme group

...in less than

1.5 months





#### 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 (display)





#### Sharing Geoscience Online in a nutshell

The 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 open questions during a live, text-based chat (4 8 May)
- Everyone to participate in Union Symposia, Great Debates, Short Courses, Networking,
   Division Meetings, #shareEGUart, Photo Competition and more
- EGU to gather experience with online activities and use these in plans for reducing the environmental impact of the General Assembly





www.egu2020.eu



#### 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.





#### **Code of Conduct**

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- The Code of Conduct is flagged when uploading materials, when commenting, when entering the chat
- Violations or concerns to be reported to <u>conduct@egu.eu</u>





# Other EGU GA activities already started and that will be implemented

- Green EGU: <a href="https://egu2020.eu/about\_and\_support/green\_egu.html">https://egu2020.eu/about\_and\_support/green\_egu.html</a>
- Accessibility and Inclusiveness:
   <a href="https://egu2020.eu/about\_and\_support/accessibility\_and\_inclusiveness.">https://egu2020.eu/about\_and\_support/accessibility\_and\_inclusiveness.</a>
   <a href="https://egu2020.eu/about\_and\_support/accessibility\_and\_inclusiveness.">httml</a>

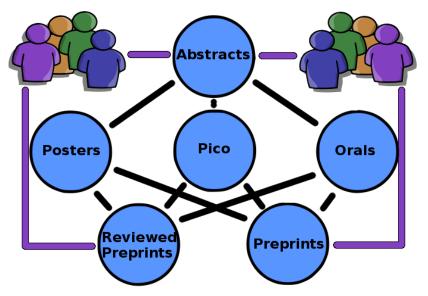








- A organised repository to share knowledge about Earth, Space and Planetary Sciences
- A unique container for any scientific document published by EGU
- A discussion forum for presentations, posters and preprints
- A mentoring platform where EGU knowledge is developed, presented and shared







(EGUsphere will collect all documents published by EGU in a unique and organised place (keywords, search tool, etc)

**EGUsphere** will collect all preprints submitted to EGU Journals in a unique place

**EGUsphere** will collect presentations @EGU which could

be posted in advance and commented by the community

(EGUsphere will organise discussion on presentation within mentoring programmes



**(EGUsphere** will encourage virtual networking – a step forward to virtual and greener meetings





# EGU Governance Review: Objectives



A governance review is an opportunity for the EGU to reflect on its governance arrangements in order to best serve the current and future needs of the organisation, the members, the scientific community and global concerns.

In particular, the governance review will:

- determine whether the governance processes and structures of the EGU are fit for purpose
- make recommendations for any changes to better serve the current and future needs of the EGU and its members

#### Objectives of the EGU Governance Review

To review the governance processes and structures of the EGU, and make recommendations for any changes to enable the organisation:

- to best deliver its <u>Mission and Vision</u>
- to best serve the current and future needs of the organisation and its members;
- to ensure EGU structures deliver appropriate scientific and professional diversity and representation amongst EGU committees and boards





## EGU Governance Review Scope: EGU Member Input

EGU members may input their views to the Governance Review via their divisional representatives on EGU Council

EGU members may also contact the Governance Review Panel directly via email at:

governancereview@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.













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# Philippe Duchaufour Medal 2020

# Georg Guggenberger

The 2020 Philippe Duchaufour Medal is awarded to Georg Guggenberger for outstanding research in the field of soil science, with special emphasis on conceptual work on the soil organic carbon evolution and interaction of organic matter with mineral structures.

Award ceremony postponed to 2021





# Division Outstanding Early Career Scientists Award 2020

#### Sebastian Dötterl

The 2020 Division Outstanding Early Career Scientist Award is awarded to Sebastian Dötterl for his contributions to the understanding of biogeochemical processes along geoclimatic gradients and the role of soil development and soil disturbance as controls on carbon dynamics.



Award ceremony postponed to 2021





# Outstanding Student Poster and PICO (OSPP) Award 2019



#### Arjun Chakrawal

How does soil spatial heterogeneity affect decomposition kinetics?

#### Bruna Imai

The role of Common Mycorrhizal Networks for nutrient allocation in Fagus sylvatica (European beech) trees







# Outstanding Student Poster and PICO (OSPP) Award 2019



#### Ringo Schwabe

The effect of the application of cell cultures and supernatants of PGPR (Arthrobacter oxydans) as soil additives on the phytoextraction of germanium and rare earth elements



The Soil-City Interface: Soil organic matter and ecosystem services







# Outstanding Student Poster and PICO (OSPP) Award 2019



**Theodor Bughici**Field Crop Irrigation—Multi-Objective Optimization and Sensitivity to Weather
Forecast Accuracy





Outstanding
Student
Poster and
PICO (OSPP)
Award 2019



THANKS
Agnieszka Józefowska
OSPP Coordinator

Award ceremony postponed to 2021





# New composition of the Philippe Duchaufour Medal Committee

we have to approve...

#### **Chair:**

<del>Jerzy Weber</del> Claudia Alves de Jesus-Rydin

#### **Members:**

Pete Smith (2017)

Yakov A. Pachepsky (2018)

Claire Chenu (2019)

Georg Guggenberger (2020)







# New composition of the Outstanding Early Career Scientists Award Committee



#### Chair:

Claudio Zaccone

#### Members:

Victoria Arcenegui (2017)

Matthias Vanmaercke (2018)

Bahar S. Razavi (2019)

Sebastian Dötterl (2020)







### Philippe Duchaufour Medal

Still active scientists

NOMINATE NOW! Outstanding Early Career Scientists Award

<7 years from the PhD

**Deadline:** June 15<sup>th</sup>, 2020

**Instructions:** EGU website (www.egu.eu/awards-medals/)

Mail to: awards.medals@egu.eu





# Additional Medal for SSS division (work in progress!)

During the EGU Council Meetings 2018 (Vienna, Sunday 8th April 2018), the proposal to establish a new medal for SSS was approved.

"[...] SSS will propose a name and a description of its new medal, and if needed modifications to the description of the existing one [...]"

working group:

President, new Subdivision Chairs, ECS-SSS, Medal Committee Chair. We will discuss this and come with a proposal next SSS business meeting.



**THANKS TO** 

Saskia Keesstra

Former SSS President





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#### EGU GA 2020 - Soil System Sciences Division: some numbers...

year	sessions	abstracts
2014	83	1457
2015	93	1573
2016	100	1405
2017	79	1896
2018	43	1095
2019	43	1108
2020 *	47( <b>+4</b> )	1320 ( <b>+19%</b> )

Orals: 629 (48%)
Posters: 426 (32%)
PICOs: 159 (12%)
ITS: 106 (8%)

52 oral blocks (+1) 11 PICOs (+3) All now listed as **display** 

ECS: 722 (55%)

<sup>\*</sup> Lead sessions only (active, scheduled) | 1,302 following Covid-19



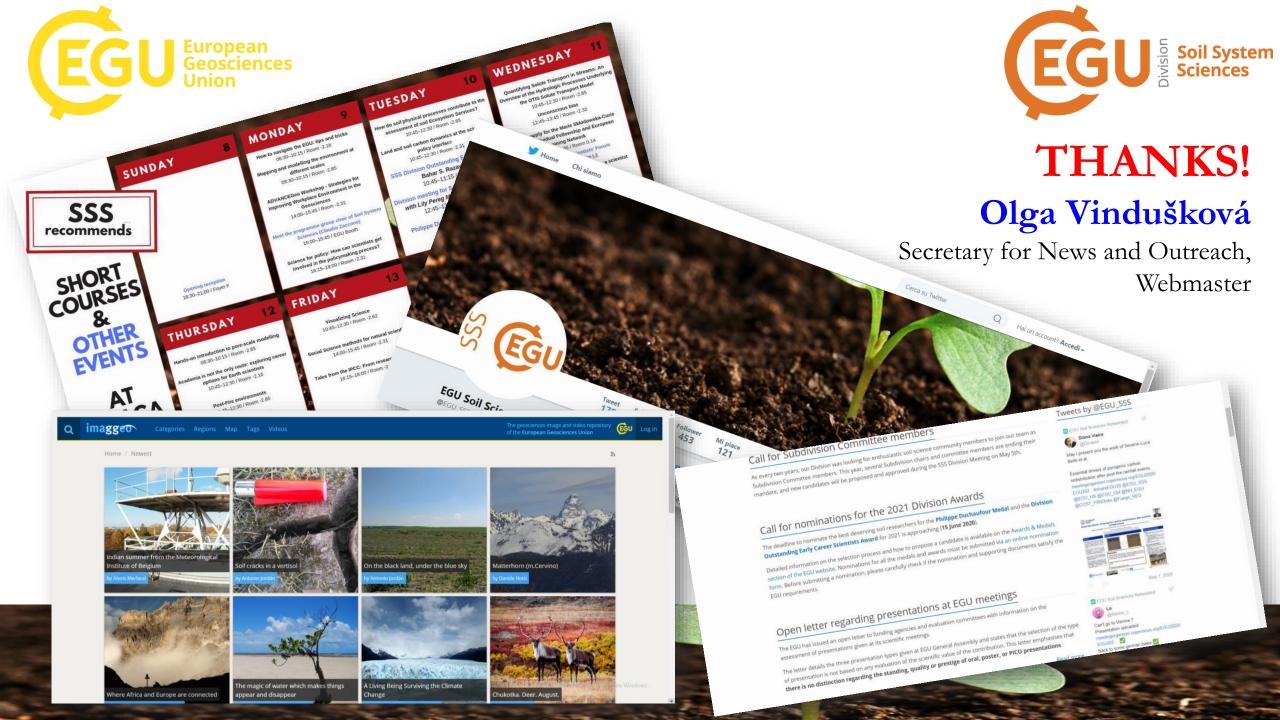
- a) 2018: withdrawal of no-show abstracts
  - 2019: one first-author abstract rule



2500 -	SSS: 5 <sup>th</sup> of 22!								12.0%		
2000 -	Percentag						2	TH/	ANK DU	_	10.0%
1500 -			_				I			7	8.0%
1000 -			_				a)		<i>b)</i>	-	6.0%
500 -										-	4.0%
										-	2.0%
0 -	EGU2015	,	EGU2016	,	EGU2017	'	EGU2018	,	EGU2019	+	0.0%

Division	% abstracts EGU GA 2019	% abstracts EGU GA 2020 *	Δ
HS	13.4	13.8	+0.4
AS	11.5	10.7	-0.8
NH	8.0	7.6	-0.4
CL	7.8	7.6	-0.2
SSS	6.6	7.2	+0.6
BG	6.0	6.9	+0.8
TS	4.7	4.4	-0.3
•••	•••	** D	

<sup>\*</sup> Raw data (to be confirmed)







# The SSS division is (always) looking for volunteers to help out with Twitter and blogging.

Those who are interested can contact me (sss@egu.eu) or Olga (olga.vinduskova@gmail.com) or the ECS SSS representative (ecs-sss@egu.eu).

#### Olga Vindušková

Secretary for News and Outreach,
Webmaster





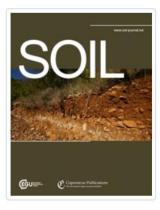


SSS SOIL SYSTEM SCIENCES

## Publications

Home / SSS / Publications / Open access journals

Below are the EGU's open access peer-reviewed journals relevant to the Soil System Sciences Division. For a complete list of EGU journals, click here.



#### SOIL

SOIL is an international scientific journal dedicated to the publication and discussion of high-quality research in the field of soil system sciences. It is at the interface between the atmosphere, lithosphere, hydrosphere, and biosphere. SOIL publishes scientific research that contributes to understanding the soil system and its interaction with humans and the entire Earth system. The scope of the journal includes all topics that fall within the study of soil science as a discipline, with an emphasis on studies that integrate soil science with other sciences (hydrology, agronomy, socio-economics, health sciences, atmospheric sciences, etc.).





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EGU.EU

SSS SOIL SYSTEM SCIENCES
Structure

Home / SSS / About / Structure

we have to approve

www.egu.eu/sss/structure/



# Soil System Sciences Division structure... current vs. new

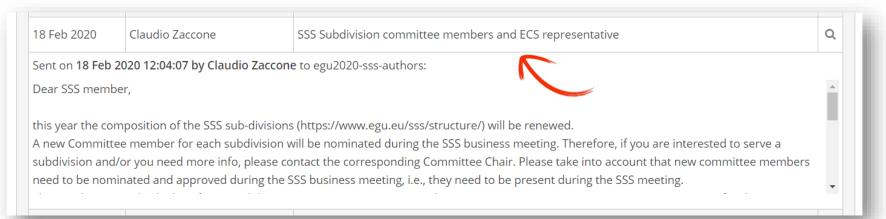
President	Claudio Zaccone	Claudio Zaccone
Deputy President	Bas van Wesemael	Bas van Wesemael
Programme Group Chair	Claudio Zaccone	Claudio Zaccone
Secretary for News and Outreach	Olga Vindušková	Olga Vindušková
Philippe Duchaufour Medal Chair	Jerzy Weber	Claudia Alves de Jesus-Rydin
ECS Representative	Steffen Schweizer	Layla Marquez San Emeterio
ECS Co-Representatives (new)	_	Daniel L. Evans, Mika T. Turunen
OSPP Coordinator	Agnieszka Józefowska	Agnieszka Józefowska
Webmaster	Olga Vindušková	Olga Vindušková

Soil System Sciences





# New ECS-SSS representative (and co-representatives)



A call was spread on 18<sup>th</sup> and 26<sup>th</sup> February (deadline: March, 31<sup>st</sup>)

Committee:

SSS president,

ECS-SSS,

ECS-EGU

26 Feb 2020 Claudio Zaccone Vacancy for ECS Representative of the SSS Division

Sent on 26 Feb 2020 08:39:02 by Claudio Zaccone to egu2020-sss-ecs:

Dear Early Career Scientist,

In our division we are looking for a new Early Career Scientist (ECS) Representative. This is a great opportunity, but you may have some questions like: What does this mean? What are the tasks of the ECS Division Representatives? Who are we looking for? And most importantly - how do I apply?!

What is an ECS Representative?



#### **WHO WE ARE**

Early career scientists (ECS) are students and geoscientists who received their highest degree within the past seven years (up to one year of parental leave added for each child). ECS constitute more than half of the members of the European Geosciences Union (EGU).

#### **OUR VISION**

Our aim is to have an open and inclusive ECS community that is actively involved in EGU activities, leading to faster developments in the Earth, planetary and space sciences in today's rapidly changing environment and society.

#### **OUR STRATEGIC PRIORITIES**

Strengthening ties between ECS representatives across scientific divisions and improving communication with ECS members within EGU to form an inclusive geosciences community;

Identifying what support is needed for the mental well-being and work-life balance of ECS and implementing actions needed to tackle these challenges.

**Improving** the visibility of ECS and their representatives in the EGU and in the Earth, planetary and space science community.

**Encouraging ECS to actively** contribute to the General Assembly scientific programme, to ensure a diversity of geoscientific views and ideas.

Promoting opportunities for networking and developing transferable skills for a wide range of career paths.





### Early Career Scientists (ECS) representatives team

ECS in the scientific community

ECS role within EGU







Connectivity

**Union-level Reprs** 

Work-life balance

Job/Careers/Funding



**Working Groups** 



**EGU Office** 





## SSS subdivisions: committee replacements



Committee chair AAA 2018-2020

Committee member BBB 2020-2022

Committee member CCC 2022-2024

### SSS x: Soils at EGU

Committee chair BBB 2020-2022

Committee member CCC 2022-2024

Committee member DDD 2024-2026

How it works?

SSS x: Soils at EGU

Committee chair CCC 2022-2024

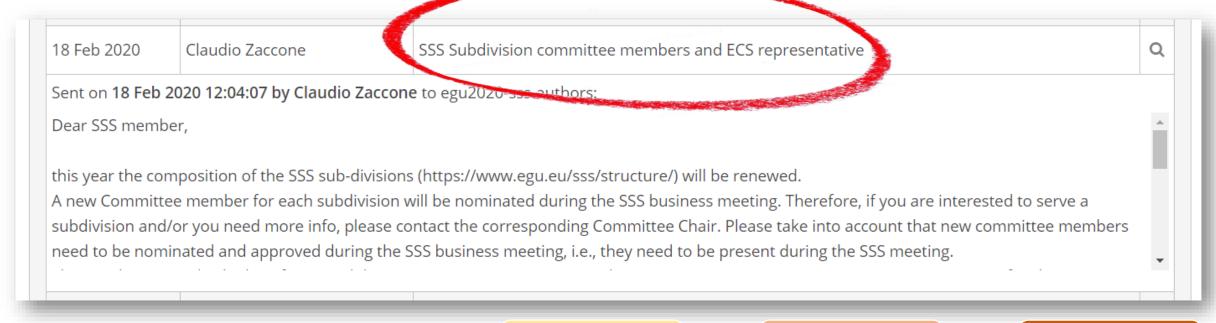
Committee member DDD 2024-2026

2026-2028 Committee member EEE





### Vacancies in SSS subdivisions...



A call was spread on 18<sup>th</sup> February and advertised on the SSS website (deadline: March, 31<sup>st</sup>)

SSS Member



Subdivision Chair



SSS President





SSS1:	History,	Education	and	<b>Society</b>	of	Soil Science	e
	J )			J			

Committee chair Jacqueline Hannam Curtis Monger 2020-2022

Committee member Curtis Monger Manuel Esteban Lucas Borja 2022-2024

Committee member Manuel Esteban Lucas Borja Demetrio Antonio Zema 2024-2026

SSS2: Soil Erosion and Conservation				
Committee chair	<del>Tani Taguas</del>	Pasquale Borrelli	2020-2022	
Committee member	Manuel Lopez Vicente *	Panos Panagos	2022-2024	
Committee member	Pasquale Borrelli	Carla Sofia Ferreira	2024-2026	

<sup>\*</sup> personal reasons





SSS3: Soils as	Records	in Time	and Space

Committee chair Daniela Sauer Anna Schneider 2020-2022

Committee member Anna Schneider Brad Sion 2024-2026

\* personal reasons

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Committee chair	Evgenia Blagodatskaya	Hannes Schmidt	2020-2022
Committee member	Hannes Schmidt	Ellen Kandeler	2022-2024
Committee member	Ellen Kandeler	Edith Hammer	2024-2026







SSS5+6: Soil Chemistry and Organic Matter Dynamics				
Committee chair	Sebastian Dötterl, Raul Zornosa	José María de la Rosa	2020-2022	
Committee member	<del>Jennifer Dungait</del> *	Carsten Mueller	2022-2024	
Committee member	José María de la Rosa	Cristina Santin Nuño	2024-2026	

\* personal reasons







SSS7: Soil Physics			
Committee chair	Rafael Angulo Jaramillo	Massimo Iovino	2020-2022
Committee member	Massimo Iovino	Laurent Lassabatère	2022-2024
Committee member	Laurent Lassabatère	Kirill Gerke	2024-2026

Committee chair	Elena Korobova	Maria Manuela Abreu	2020-202
Committee member	Maria Manuela Abreu	Miriam Munoz Rojas	2022-202
Committee member	Miriam Munoz Rojas	Carmen Perez-Sirvent	2024-202
He wary member	Jaume Bech	Jaume Bech	





SSS9: Soil, Environment and Ecosystem Interactions				
Committee chair	David Finger	Velibor Spalevic	2020-2022	
Committee member	Velibor Spalevic	Pablo Tittonell	2022-2024	
Committee member	Pablo Tittonell	Zahra Kalantari	2024-2026	

SSS10: Soils, Forestry and Agriculture				
Committee chair	<del>José Gómez</del>	Amandine Pastor	2020-2022	
Committee member	Amandine Pastor	Marta Maria Moreno	2022-2024	
Committee member	Marta Maria Moreno	Diana Vieira	2024-2026	







SSS11: Metrics, Informatics and Statistics in Soils				
Committee chair	Nadezda Vasilyeva	Alice Milne	2020-2022	
Committee member	Alice Milne	Laura Poggio	2022-2024	
Committee member	Laura Poggio	Sara König	2024-2026	

SSS12: Material and Methods in Soil Science				
Committee chair	Thomas Iserloh	Thomas Iserloh	2019-2021	
Committee member	Xiangzhou Xu	Xiangzhou Xu	2021-2023	
Committee member	-	Anette Eltner	2023-2025	

Does everybody agree?





Because of the merging of SSS5-Soil chemistry and SSS6-Soil organic matter, we have an opening for a new sub-program/sub-division...

"Soil and One Health" "Soil and Human Health" "Soil policy and legislation" "Soil Forensics" "etc etc"

SSS 0.0:[]		
Committee chair	XXX	2020-2022
Committee member	YYY	2022-2024
Committee member	ZZZ	2024-2026

Working group: President, new Subdivision Chairs, ECS-555. We will discuss this and come with a proposal next 335 business meeting.





# GA 2021 timeline (working version)

1 – 19 Jun 2020 Sub-programme structure (call-for-skeleton)

24 Jun – 15 Aug 2020 Public call for GDB and US

24 Jun – 11 Sep 2020 Public call-for-sessions, including SC

16 Sep – 14 Oct 2020 Session programme finalization

1 Dec 2020 Support application deadline

13 Jan 2021 Abstract submission deadline







Officers, Sub-division Chairs, Conveners, ECS and Members for all your hard work...

Jacqueline Hannam (SSS1)

Daniela Sauer, Ian Simpson (SSS2)

Tani Taguas, Manuel Lopez Vicente (SSS3)

Evgenia Blagodatskaya (SSS4)

Sebastian Dötterl, Raul Zornosa, Jennifer Dungait (SSS5+6)

Rafael Angulo Jaramillo (SSS7)

Elena Korobova (SSS8)

David Finger (SSS9)

José Gómez (SSS10)

Nadezda Vasilyeva (SSS11)

Jerzy Weber (Medal Committee Chair)

Steffen Schweizer (ECS-SSS representative)

Saskia Keesstra (former SSS President)

Lily Pereg† (former deputy SSS President)