

ESERA SIG 6 - Languages & Literacies in Science Education Activity Report 2021

Membership

According to ESERA registration in August 2021, the number of official members in SIG 6 has grown to 117. We are currently the largest SIG at ESERA.

Special Issue

A number of SIG members were jointly editing and contributing papers to these special issues in 2021:

Journal	Topic	Guest Editors	Status
<i>Educational Sciences</i>	Languages & Literacies in Science Education	Kok-Sing Tang, Kristina Danielsson & Angel Lin	In progress
<i>International Journal of Science & Mathematics Education</i>	Reading in Science and Mathematics Education	Kok-Sing Tang, Sheau-Wen Lin & Berinderjeet Kaur	In progress
<i>Research in Science Education</i>	Multimodal Meaning Making in Science	Wendy Nielsen & Jennifer Yeo	Completed

Invited Symposium at ESERA 2021

For the Invited Symposium at ESERA 2021, we sent out an open call to all members to form and propose a joint symposium. Len Unsworth's proposal was selected to represent the SIG for the invited symposium. The symposium is entitled: *Talking to teachers about language, visualization and transduction across modes, to support learning in science.*

The presentations in the symposium involved Gail Forey, Lisl Fenwick, Alejandra Meneses, Maximiliano Montenegro, Russell Tytler, Lam Phan & Len Unsworth, as well as Elizabeth Moje as the symposium discussant.

Related Symposia at ESERA 2021

The following symposia at ESERA 2021 touched on topics closely related to the SIG and involved a number of SIG members:

1. *Foregrounding the role of materiality in human-embodied interaction and multimodal meaning-making.* Chair: Kok-Sing Tang, Discussant: Eric Knain
2. *Transduction as a key process in learning science.* Chair: Russell Tytler, Discussant: John Airey

3. *The role of language in learning science in four countries: different languages, same conclusion.* Chair: Timo Hackermann, Discussant: Kok-Sing Tang
4. *The role of the body in science education.* Chair: Jesper Haglend, Discussant: Kai Niebert

Post-Conference SIG Symposium – Second “Stockholm Symposium”

The SIG organised a three-day symposium (via Zoom) from 6 to 8 September right after the ESERA conference. The goal of the symposium is for members to network and exchange their views as well as examine current trends/issues and map out future directions. The highlights of the symposium include:

- An opening address by the President of Stockholm University, Professor Astrid Söderbergh Widding
- A keynote address on *Language & Literacy for Social Justice* by Professor Elizabeth Moje (U of Michigan)
- Five minutes presentations from every participant to introduce their research background and current work
- Focus group discussions on major topics of the SIG: *literacy instruction, multimodality, discourse studies, disciplinary literacy in STEM and multilingual learners*. These FGDs were facilitated by Len Unsworth, Russell Tytler, Eduardo Mortimer, Mariona Espinet and Angel Lin

A total of 75 participants registered and took part during the symposium, which was separated over multiple time zones in order to cater to the audience from Australasia, Asia, Europe, North and South America.

SIG Business Meeting

The SIG business meeting was organised and held during the Stockholm Symposium. Items for discussion include:

- Nomination/election of new SIG Coordinator
- Ideas for SIG Activities in 2022

New SIG Coordinator for 2022-2026

Through an open invitation, Dr Magdalena Kersting was appointed as the new SIG Coordinator from 2022 to 2026

Proposed Plans for 2022

In 2022, the SIG will continue to foster collaboration between our members and recruit new members. Planned activities include

1. a monthly journal club on Zoom where SIG members can discuss research papers and learn about each others' work
2. regular updates on Twitter to increase the visibility of SIG6 and disseminate work by our members; our Twitter handle is @ESERA_SIG_6

Reported by:

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SIG Coordinator 2018- 2023

Professor Kristina Danielsson
SIG Coordinator 2018- 2021

Dr Magdalena Kersting
SIG Coordinator 2022-2025