



**Second Announcement (extended deadline) ICMI Symposium on:
*Mathematics Education and the Socio-Ecological***

ICMI is hosting a one-day *online* symposium on **20th March 2023**, to act as a gathering point for scholars working in what might be diverse areas, but whose concerns could be broadly grouped together as “socio-ecological”.

The aims of the symposium are as follows:

- To gather the “state of the art” of socio-ecological research from around the world and engage in dialogue across perspectives.
- To explore the different ways in which a theorisation of the socio-ecological influences the focus and methodological approach of mathematics education research.
- To consider practical implications of socio-ecological research for school/university curriculum and pedagogy, education outside formal structures, teacher preparation, and policy.

To cater for participants in different time zones, two symposia will be held, with an overlapping Plenary talk.

Symposium 1:

09.30-11.00 GMT	15.00-16.30 IST	Opening plenary panel	Munir Fasheh, Jodie Hunter, Berinderjeet Kaur, Jeff Murugan
11.20-12.00 GMT	16.50-17.30 IST	Parallel Research Reports	
12.20-13.00 GMT	17.50-18.30 IST	Parallel Online Poster Session	
14.00-15.10 GMT	19.30-20.40 IST	Plenary Talk	Willy Alanguí, Armando Solares-Rojas Discussant: Rochelle Gutiérrez

Symposium 2:

14.00-15.10 GMT	06.00-07.10 PST	Plenary Talk	Willy Alanguí, Armando Solares-Rojas Discussant: Rochelle Gutiérrez
15.30-16.10 GMT	07.30-08.10 PST	Parallel Research Reports	
16.30-17.10 GMT	08.30-09.10 PST	Parallel Online Poster Session	
18.00-19.30 GMT	10.00-11.30 PST	Closing plenary panel	Omar Arellano, Liz de Freitas, Mariam Makramalla, Mogens Niss

Attendance at the symposium is free, but you do need to register. **Register for the symposium** below.

Symposium 1: <https://www.eventbrite.com/e/icmi-socioecological-symposium-schedule1-tickets-513876788307>

Symposium 2: <https://www.eventbrite.com/e/icmi-socioecological-symposium-schedule-2-tickets-513908984607>

Proposals, in the form of 500-word abstracts, need to be submitted by the **extended deadline of 30th January 2023** via email (to: socio_ecological_symposium@yahoo.com), see further details overleaf.

This symposium is a collaborative initiative, with the kind support of ICMI, involving K. le Roux, A. Coles, R. Barwell, M. Borba, A. Chronaki, R. Gutiérrez, M. Makramalla, A. Parra, M. Rosa, A. Solares-Rojas, J. Subramanian and L. Hennessy.

We invite proposals – from a diversity of voices – for research reports and posters. These may focus on practice or theory or both, in relation to socio-ecological issues. In both formats, we welcome plans for active engagement of the audience: Research reports will involve a 20-minute presentation and 20-minute discussion (or equivalent). Poster sessions will include engagement and discussion with participants, with posters in the form of a 1-page pdf.

In your covering email (to: socio_ecological_symposium@yahoo.com) **please indicate** whether you are available to participate during Symposium 1 or Symposium 2. And:

- For research reports, please include, as a Word attachment, an abstract that includes: Your proposal title; author name(s) and institutional affiliations; a description of the theoretical and/or practical work to be presented, including its relation to the socio-ecological; and a plan for using the session time itself (abstract in English, and no more than 500 words).
- For a poster, please include, as a Word attachment, an abstract that includes: your proposal title; author name(s) and institutional affiliations; a description of the theoretical and/or practical work to be presented, including its relation to the socio-ecological (abstract in English, and no more than 500 words).

Word documents should be in the prescribed style given below and named as follows: First author surname_ResearchReport OR First author surname_Poster.

There will be a review process for all applications and two reviewers will read each submission. The criteria for review will be the extent to which the proposal addresses how the work, in its current form and/or future direction, links and relates across socio-political, ecological, and ethical issues. Scholarship involving multiple stake-holders as described above will be an advantage.

At the symposium, written and oral contributions will be offered in English. Informal engagement and meaning-making in the representative languages will be encouraged.

Informal proceedings of the symposium, including research report abstracts, will be collated, and made available. There are no current plans to invite fuller papers. However, there are plans to make the symposium resources available online; we will be encouraging participants to disseminate their work more widely, potentially in collaboration with each other; furthermore, developing the symposium writing into a journal special issue is under consideration.

Deadline for submissions: 30th January 2023

Decision on outcome of submissions: 20th February 2023

Symposium event: 20th March 2023

Prescribed Style for abstract

Margin: 2.3cm margin all round

Spacing: 1.5 line spacing, 6pt between titles and paragraphs

Font: Times New Roman

SUBMISSION TITLE IN BOLD, 14 POINT, centred

Author(s), 12 point, centred, Institution or Affiliation

Body text, 12 point, justified (include key citations)

List of key references (maximum 5), to locate the contribution, in APA7, 12 point, hanging indent left aligned.