

CERME 12: Thematic Working Group 21 **Assessment in Mathematics Education**

Leader: Paola Iannone (UK), P.Iannone@lboro.ac.uk

Co-leaders: Michal Ayalon (IL), Gozde Kaplan Can (TR), Francesca Morselli (IT), Michiel Veldhuis (NL)

Scope and focus of the Working Group

At CERME12 the work in TWG21 will build on the experience of the virtual pre-CERME12 meeting in 2021 and will focus on the development of four themes that were discussed in that forum. The impact of the recent pandemic on access, social justice and equity in assessment will also be a focus of the meeting, together with aspects of summative and formative assessment which are germane to mathematics and the (intended and unintended) consequences of assessment both for mathematics teaching and learning. In this way, we will build upon the work we started in the previous meetings and we will start investigating how the recent pandemic experience has changed, if at all, the assessment of mathematics.

Call for papers and poster proposals

In order to realise the aims we set for TWG21 on assessment, we particularly welcome papers on the following aspects of the assessment of mathematics:

- The (intended or unintended) impact of assessment on students' learning of mathematics, at all levels including school, pre-school, university, vocational and adult.
- Teachers' assessment (formative and summative) practices and how teacher training contributes to the formation of those practices. Particular attention will be devoted to assessment practices and how they changed during the recent pandemic.
- Rethinking assessment tools in the light of new technologies.
- The analysis of what mathematical competences and types of reasoning are assessed by various assessment methods in use, at all educational levels (conceptual understanding, procedural fluency, etc.).
- Inclusion, diversity and social justice for assessment – has the pandemic excluded some students from school or university assessment practices?
- Assessment of specific aspects of mathematics within topic areas (problem solving, argumentation, proof, etc.).

Papers and poster proposals should use the CERME template, and conform to the guidelines at www.cerme12.it CERME 12 uses an electronic submission system www.conftool.pro/cerme12 The authors submit the initial version of their paper on the website (uploading it both as a .doc and a .pdf file, and providing the required information, in particular the TWG number).

Reviews and decisions

Each paper will be peer-reviewed by two persons from among those who submit papers to this TWG. Please expect to be asked to review up to two papers. The group leaders will decide about the acceptance of posters.

Important dates

- **15th July 2021:** Deadline for [Early Bird Procedure](#)
- **15th September 2021:** Deadline for submission of papers and posters.
- **4th November 2021:** Preliminary decisions on papers.
- **12th November 2021:** Preliminary decisions on posters.
- **2nd - 6th February 2022:** CERME 12 takes place.
- See www.cerme12.it/deadlines/ for other important dates