



TSG 32 Mathematics education in a multilingual and multicultural environment

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All over the world, mathematics education takes place in multilingual and multicultural environments, including situations affected by historical diversity, colonialism, migration and globalisation. Research on the issues arising in such environments is growing and is of wide relevance. The aim of TSG32 is to examine issues that arise in conducting research on mathematics education in such environments. The following four themes will be addressed.

- **The role of theory** in understanding mathematics education in multilingual and multicultural environments: What theories have been used and why? What do current theoretical frameworks not address? How can theory help to challenge normative assumptions? How has theory and research developed in the context of multilingual and multicultural environments contributed to understanding the learning and teaching of mathematics more generally?
- **Cross-disciplinary perspectives** in researching mathematics education in multilingual and multicultural environments: What are the advantages, challenges and tensions arising from working across disciplines, including psychology, linguistics, sociology, etc.? What has research on mathematics education in multilingual and multicultural environments contributed to these disciplines?
- **Methodological challenges and dilemmas** in researching mathematics education in multilingual and multicultural environments:

What new challenges have emerged in recent years? How can they be addressed?

- **The interaction between policy, practice and research:** How can this interaction strengthen mathematics education in multilingual and multicultural environments? What challenges arise? What insights can be developed from the careful analysis of practice to inform research, policy and future practice?

By focusing on these themes, the TSG will examine current trends and developments in research in multilingual and multicultural environments, including the wider impact of such research. Submissions should draw on specific examples of research and/or practice to address one of the themes. The TSG aims to include work from a wide range of multilingual and multicultural environments. Work offering critiques of current thinking is encouraged.