

WS03: RESEARCHING THE TEACHING AND LEARNING OF MATHEMATICS IN MULTILINGUAL CLASSROOMS.

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Multilingual classrooms are increasingly the norm in education systems around the world. By multilingual classrooms we mean classrooms in which two or more languages are present. These languages may or may not be heard in classroom talk. They are, however, always available for use by students or teachers during public or private interaction.

The aim of this working group is to raise and discuss methodological issues, which arise in doing mathematics education research in multilingual classrooms. In this year's meeting we will focus on: researching mathematics teaching in multilingual classrooms; working with mathematics teachers in multilingual contexts.

ACTIVITIES

The two sessions of the working group will be devoted to working on video and transcript data from multilingual mathematics classrooms in South Africa and Pakistan, as well as official guidance for teachers from the UK. For each sample of video/ transcript data, we first invite participants to address analytic questions, such as:

- what mathematics is taking place?
- how are different languages used (or not used) in teaching the mathematics?

We then invite participants to reflect on the issues, as well as to consider the UK guidance in their light. Questions for reflection include:

- in what ways can teaching take multilingualism into account?
- how can research support teachers to develop their mathematics teaching in multilingual contexts?

We hope that participants will include researchers who work in multilingual contexts or whose research interests concern the role of language in mathematics classrooms.