

Theoretical frameworks and ways of assessment of teachers' professional competencies

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Short description of the Discussion Group: aims and underlying ideas

The Discussion Group brings together major projects on mathematics teachers' professional competencies and thus forwards the exchange of research teams' approaches and new findings brought about by their current research activities. The discussion group, covering two sessions of 90 minutes each, shall be a mix of discussions on general and topical questions related to theoretical frameworks and ways of assessment of teachers' professional competencies. Both sessions are moderated jointly by the organisers, namely Johannes König, Sigrid Blömeke, Gabriele Kaiser. In all discussions, the audience is invited to participate. In the first session, after an introduction by the organisers, the first three projects are characterised by the strong focus on teachers' knowledge facets, which are mainly assessed via paper-and-pencil tests. The audience will have the chance to ask and discuss after each presentation. After the fourth project, which makes the transition to an enriched framework on teachers' competencies including performance-oriented competence facets being evaluated via video, the discussant Hilda Borko will comment in a summarising way on the four projects. The second session will be devoted to projects with a focus on situated competence facets, which are evaluated via video-based assessment instruments. Again, the discussant Hilda Borko will close the session by a summarising commentary leaving room for an open discussion.

Planned structure:

Tuesday, 16.30-18.00: Planned timeline	Topic	Material / Working format / presenter
16.30-16.45	<i>Theoretical frameworks and ways of assessment of teachers' professional competencies</i>	Johannes König, Gabriele Kaiser, Sigrid Blömeke
16.45-17.00	<i>Learning Mathematics for Teaching and Follow-up-projects (LMT)</i>	Deborah Loewenberg Ball & Heather Hill
17.00-17.15	<i>Professional teachers' knowledge and cognitive</i>	Stefan Krauss & Werner Blum

Last names of the organisers

	activation (COACTIV)	
17.15-17.30	Teacher Education and Development Study in Mathematics (TEDS-M)	<i>Sharon Senk</i>
17.30-17.45	Teacher Education and Development Study in Mathematics - Follow-Up (TEDS-FU)	<i>Sigrid Blömeke, Gabriele Kaiser, Johannes König</i>
17.45-18.00	Discussion	<i>Hilda Borko</i>

Friday, 16.30-18.00: Planned timeline	Topic	Material / Working format / presenter
16.30-16.45	Knowledge Quartet	<i>Tim Rowland</i>
16.45-17.00	Professional competencies of educators in the field of mathematics (KomMa and ProKomMa)	<i>Katja Eilerts, Sigrid Blömeke</i>
17.00-17.15	Subject-specific action-oriented teachers' competencies	<i>Anke Lindmeier</i>
17.15-17.30	Learning to Learn from Mathematics Teaching	<i>Rossella Santagata</i>
17.30-17.45	Discussion	<i>Hilda Borko</i>
17.45-18.00	Open Discussion	