

Schedule: Educating the Educators III (subject to changes)

Conference on international approaches to scaling-up professional development
in maths and science education, 7-8 October 2019 in Freiburg, Germany



Monday, 7 October 2019	
09:00-12:00	<p>9th Meeting of the European STEM Professional Development Centre Network KA106 <i>(internal meeting by invitation only)</i></p>
12:00-13:00	<p>Conference Registration KG5 104</p>
	<p>Snacks & Coffee KG5 103</p>
13:00-13:45	<p><i>Aula</i> Opening and Introduction moderated by Elena Köck/Katja Maaß, ICSE, University of Education Freiburg Prof. Dr. Ulrich Druwe, Vice-Chancellor, University of Education Freiburg Katja Maaß, Director of ICSE, University of Education Freiburg Michiel Doorman, Associate Professor, University Utrecht, Netherlands</p>
13:45-14:30	<p><i>Aula</i> Keynote 1: Kara Jackson University of Washington, USA Specifying and centering equity-specific learning demands in the improvement of mathematics teaching at scale</p>
14:30-15:00	<p>Coffee Break / Change of Rooms</p>

Conference on international approaches to scaling-up professional development
in maths and science education, 7-8 October 2019 in Freiburg, Germany



15:00 - 16:00	Workshops						
	<i>KA101 Brunello, Andrea (et al.)</i> Increasing the engagement of STEM Educators through theatre methods		<i>KA 102 Bos, Rogier (et al.)</i> Mathematics B-day: Promoting students' and teachers' inquiry and creativity		<i>KA 106 Jonker, Vincent (et al.)</i> Classroom and PD materials for dealing with diversity in STEM classrooms		<i>KA 209 Griebel, Stephan</i> A European reference framework for STEM Education
16:00- 16:15	Coffee Break / Change of Rooms						
16:15- 16:40	Paper Presentations					Workshops	
	<i>KA 101 Rollett, Wolfram (et al.)</i> Changes in educational science research competencies among teachers in further education	<i>KA 106 De Pauw, Tine (et al.)</i> PHABLABS 4.0 - How to make science, and in particularly Photonics, understandable?	<i>KA 209 Dalby, Diane (et al.)</i> Structures for the professional development of mathematics teachers in English vocational education	<i>KA 211 Lindvall, Jannika (et al.)</i> Characteristics and Impacts of Two Large-Scale PD Programs: Elaborating on Core Critical Features of Teacher PD	<i>KA 102 Mooldijk, Ad (et al.)</i> A model for educating educators in Suriname is adapted by making the education partly blended	16:15-17:15 <i>KG5 104 Tirosh, Dina (et al.)</i> Professional development materials for preschool teachers	 <i>KG5 104 Magner, Jodelle S.W (et al.)</i> From PD to Classroom Instruction: The Journey of Innovative Curricular Materials

Schedule: Educating the Educators III (subject to changes)

Conference on international approaches to scaling-up professional development in maths and science education, 7-8 October 2019 in Freiburg, Germany

16:40-16:55	Change of Rooms					
16:55-17:45	Paper Presentations					
	KA 101 Balta, Nuri The problem of having participants with different characteristics in the treatment and comparison groups in experimental PD studies	KA 102 Hernández del Barco, Míriam Andrea (et al.) Study about self-efficacy of teachers in training in their performance as science teachers	KA 106 Dagiene, Valentina (et al.) Algorithms without a computer	KA 209 Kristinsdottir, Jonina Vala (et al.) Professional development – a program for mathematics teachers	KA 211 Marcos-Merino, José María (et al.) Training prospective Primary teachers in Biology teaching through inquiry based: role of positive emotions anticipating learning	
	KA 101 Thurm, Daniel (et al.) Fostering teachers’ self-efficacy beliefs through rehearsals in professional development programs	KA 102 Farrugia, Josette (et al.) Preparing to lead a learning community: A study of mathematics and science CPD leaders in Malta	KA 106 Mohd Fadzil, Hidayah (et al.) Biology Teachers’ Professional Development through Scientist-Teacher-Student Partnership (STSP) Approach	KA 209 de Haan, Dédé Use of Lesson Study in Mathematics Teacher Education as a means to encourage professional development	KA 211 Marcos-Merino, José María Memory of Biology Secondary knowledge can condition current negative emotions of prospective Primary teachers towards Biology Education	
17:50-18:15	Paper Presentations					
	KA 101 Peters-Dasdemir, Joyce Multi-professional - description of professionalization processes of facilitators in mathematical education	KA 102 van Leendert, Annemiek (et al.) Teachers' knowledge for teaching mathematics to braille readers	KA 209 Lefkos, Ioannis Scientix portal: An educational community of learning and practice	KG4 301 Potari, Despina (et al.) Prospective mathematics teachers’ pedagogical approaches in dealing with diverse classrooms	KA 211 Duske, Petra (et al.) Optimizing STEM teaching by offering demand-driven advanced teacher training	KA 106 Moeller, Babette (et al.) Math for All: Scaling-Up and Evaluating A Teacher Professional Development Program

Schedule: Educating the Educators III (subject to changes)

Conference on international approaches to scaling-up professional development
in maths and science education, 7-8 October 2019 in Freiburg, Germany



19:00	<p><i>Waldsee</i></p> <p>Reception & Gala Dinner</p>
-------	---

Tuesday, 8 October 2019				
09:00-09:45	<div>Aula</div> <div>Keynote 2: <i>Jim Ryder</i></div> <div>University of Leeds</div> <div>Policy to support teacher engagement with education research knowledge: Implications for scaling up professional development</div>			
09:45-10:00	<div>Coffee Break / Change of Rooms</div> <div>KG5 103</div>			
10:00-11:00	<div>Workshops</div> <div><div><div>KA 106</div><div>Walter, Markus Ralf</div><div>SIA - student - engineer – academy</div></div><div><div>KA 102</div><div>Wijers, Monica (et al.)</div><div>The language of graphs and tables. Language-oriented mathematics teaching in professionally oriented contexts</div></div></div>			<div>Programme Special</div> <div><div>KG5 104</div><div>A brief talk by Andrea Brunello</div><div>Curiosity and Wonder:</div><div>Essential Ingredients in teaching STEM</div></div>
				<div>Paper Presentation</div> <div>10:00-10:45</div> <div><div>KA 209</div><div>Febri, Maria Immaculata Maya (et al.)</div><div>How do the 5E-model and the Nysgjerrigper method support or not support the implementation of inquiry-based learning at lower primary?</div></div>
				<div><div>KA 209</div><div>Mateos-Nuñez, Milagros (et al.)</div><div>Influence of the implementation of STEM workshops on the learning and emotions of primary school pupils</div></div>

Schedule: Educating the Educators III (subject to changes)

Conference on international approaches to scaling-up professional development in maths and science education, 7-8 October 2019 in Freiburg, Germany

11:00-11:30	Coffee Break / Change of Rooms	Policy Seminar (internal meeting by invitation only)	
		11:00-13:00	KA 101 Initiating and Sustaining Cooperation for Innovation in STEM Education <i>Strategies and Communication for Cooperation between different stakeholders</i>

11:30-11:55	Paper Presentations			
	KA 102 <i>Evagorou, Maria (et al.)</i> Utilizing Data from International Achievement Studies in Teacher Professional Development in Science	KA 106 <i>Langhans, Alice (et al.)</i> Investigating STEM Teachers' Initial Beliefs Entering a Professional Development Programme Addressing Diversity	KA 209 <i>Cyvin, Jardar (et al.)</i> Outdoor science learning in a multicultural classroom: Students' perspectives	KA 211 <i>Boylan, Mark (et al.)</i> Policy shifts in primary mathematics professional development in England: hybrid roles and system leadership

Schedule: Educating the Educators III (subject to changes)

Conference on international approaches to scaling-up professional development in maths and science education, 7-8 October 2019 in Freiburg, Germany

11:55-12:15	Coffee Break / Change of Rooms			
12:15-12:40	Paper Presentation			
	<p>KA 102 Tarp, Allan</p> <p>Can Grounded Math and Education and Research Become Relevant to Learners</p>	<p>KA 106 Pöhler, Birte</p> <p>Coping with teachers' contributions in discussions – A case study on facilitators' practices in PD courses on language-responsive mathematics teaching</p>	<p>KA 209 Teslenko, Tatiana</p> <p>Developing a Module on Copyright for Applied Science Students in Canada</p>	<p>KA 211 Bertram, Jennifer (et al.)</p> <p>Mathematics & Inclusion – a Professional Development Program on Inclusive Maths Classes in Rhineland-Palatinate (Germany)</p>
13:00-14:00	Mensa Lunch		<p>KG5 104</p> <p>Opening Materials Market</p>	

Schedule: Educating the Educators III (subject to changes)

Conference on international approaches to scaling-up professional development in maths and science education, 7-8 October 2019 in Freiburg, Germany

14:00-15:00	Discussion Group			Workshops		KG 104 Materials Market & Poster Presentation (for all participants)	Paper Presentation 14:00-14:50	
	KA 106 Calleja, James (et al.) Exploring Issues Related to Increasing CPD Leaders' Responsibility for Professional Learning	KA 101 Veldkamp, Alice (et al.) No escape: the basics and the possibilities for educators of the bottom-up phenomenon 'escape rooms' in education	KA 102 Stojanovska, Marina Transforming Traditional Classroom into an Escape Room Classroom	KA 209 Griese, Birgit (et al.) Propagating stochastics expertise for teaching: From input to agency	KA 211 Martinez-Borreguero, Guadalupe (et al.) Cognitive, affective, competential and didactic analysis of the development of STEM projects in the primary education teacher training stage			
				KA 209 Longhitano, Marco (et al.) Quality criteria of inquiry-based learning resources in primary school science education: A systematic literature review	KA 211 Wessel, Lena (et al.) PD for Language-Responsive Mathematics – What teachers need to learn to implement a language-responsive learning trajectory on proportionality			
15:00-16:00								

Schedule: Educating the Educators III (subject to changes)

Conference on international approaches to scaling-up professional development
in maths and science education, 7-8 October 2019 in Freiburg, Germany



16:00- 16:30	Coffee Break / Change of Rooms
16:30- 17:15	<i>Aula</i> Final Keynote: <i>Susanne Prediger</i> Technische Universität Dortmund Towards a research-base for supporting and educating the educators
17:15- 17:45	<i>Aula</i> Science Show: Experiments with Fire <i>by Joachim Lerch</i>
17:45- 18:00	<i>Aula</i> Farewell End of conference