

Monday, 7 November 2016							
09:00-12:00	<p style="text-align: center;">KA 106 5<sup>th</sup> meeting of the European STEM Professional Development Network (internal meeting by invitation only)</p>						
12:00-13:00	<p>KG5 104 Registration</p>						
	<p>Aula Snacks</p>						
13:00-13:30	<p style="text-align: center;">Aula <b>Opening and Introduction</b> moderated by Susanne Prediger, DZLM, TU Dortmund University <b>Katja Maaß</b>, Coordinator of mascil, University of Education Freiburg <b>Jürg Kramer</b>, Director of the DZLM, Humboldt University of Berlin <b>Georg Brunner</b>, Vice-Rector for Academic Affairs, University of Education Freiburg</p>						
13:30-14:30	<p style="text-align: center;">Aula <b>Keynote 1: Alan Schoenfeld</b> University of California, Berkeley <i>What counts in professional development, and can we conduct PD at scale?</i></p>						
14:30-15:00	<p>Aula <b>Coffee Break / Change of Rooms</b></p>						
15:00 - 16:30	<p style="text-align: center;"><b>Research-practice interactive sessions</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;"> <p>KA 101 <i>Personal dimension:</i></p> <ul style="list-style-type: none"> <li>• Input Professional learning communities and the multiplier concept</li> <li>• Discussion groups</li> </ul> </td> <td style="width: 33%; padding: 5px;"> <p>KA 102 <i>Material dimension:</i></p> <ul style="list-style-type: none"> <li>• Input Usability of internationally developed PD materials</li> <li>• Discussion groups</li> </ul> </td> <td style="width: 33%; padding: 5px;"> <p>KG5 103 <i>Structural dimension:</i></p> <ul style="list-style-type: none"> <li>• Input Successful project designs to achieve scaling up</li> <li>• Discussion groups</li> </ul> </td> </tr> </table>	<p>KA 101 <i>Personal dimension:</i></p> <ul style="list-style-type: none"> <li>• Input Professional learning communities and the multiplier concept</li> <li>• Discussion groups</li> </ul>	<p>KA 102 <i>Material dimension:</i></p> <ul style="list-style-type: none"> <li>• Input Usability of internationally developed PD materials</li> <li>• Discussion groups</li> </ul>	<p>KG5 103 <i>Structural dimension:</i></p> <ul style="list-style-type: none"> <li>• Input Successful project designs to achieve scaling up</li> <li>• Discussion groups</li> </ul>			
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16:30-16:50	<p>KG5 104 <b>Coffee Break / Change of Rooms</b></p>						
16:50-17:20	<p style="text-align: center;"><b>Paper Presentations</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 16.6%; text-align: center; padding: 5px;">• Presentation Slot 1 (30)</td> <td style="width: 16.6%; text-align: center; padding: 5px;">• Presentation Slot 1 (30)</td> <td style="width: 16.6%; text-align: center; padding: 5px;">• Presentation Slot 1 (30)</td> <td style="width: 16.6%; text-align: center; padding: 5px;">• Presentation Slot 1 (30)</td> <td style="width: 16.6%; text-align: center; padding: 5px;">• Presentation Slot 1 (30)</td> <td style="width: 16.6%; text-align: center; padding: 5px;">• Presentation Slot 1 (30)</td> </tr> </table>	• Presentation Slot 1 (30)	• Presentation Slot 1 (30)	• Presentation Slot 1 (30)	• Presentation Slot 1 (30)	• Presentation Slot 1 (30)	• Presentation Slot 1 (30)
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17:20-17:30	<p><b>Change of Rooms</b></p>						

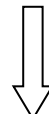
## Schedule: Educating the educators II

Conference on international approaches to scaling-up professional development  
in maths and science education, 7-8 November 2016 in Freiburg, Germany

17:30- 17:45	<b>Paper Presentations</b>					
	• Presentation Slot 2 (30)	• Presentation Slot 2 (30)	• Presentation Slot 2 (30)	• Presentation Slot 2 (30)	• Presentation Slot 2 (30)	• Presentation Slot 2 (30)
17:45- 18:00	<b>Paper Presentations</b>					
	• Presentation Slot 3 (30)	• Presentation Slot 3 (30)	• Presentation Slot 3 (30)	• Presentation Slot 3 (30)	• Presentation Slot 3 (30)	• Presentation Slot 3 (30)
19:00	<i>Bürgerhaus Zähringen</i> <b>Reception &amp; Dinner</b>					

## Schedule: Educating the educators II

Conference on international approaches to scaling-up professional development in maths and science education, 7-8 November 2016 in Freiburg, Germany

Tuesday, 8 November 2016				
09:00-09:45	<p style="text-align: center;"><i>Aula</i></p> <p style="text-align: center;"><b>Keynote 2: Olaf Köller</b></p> <p style="text-align: center;">Leibniz Institute for Science Education, Kiel</p> <p style="text-align: center;"><i>Teachers professional development: Lessons learnt from a large-scale German PD programme</i></p>			
09:45-09:55	Change of Rooms			
09:55-10:25	<b>Paper Presentations</b>			
	• Presentation Slot 4 (30)	• Presentation Slot 4 (30)	• Presentation Slot 4 (30)	• Presentation Slot 4 (30)
10:25-10:50	<i>KG5 104</i>			
	Coffee Break / Change of Rooms			
10:50-11:20	<b>Paper Presentations</b>			
	• Presentation Slot 5 (30)	• Presentation Slot 5 (30)	• Presentation Slot 5 (30)	• Presentation Slot 5 (30)
11:20-11:30	Change of Rooms			
11:30-12:00	<b>Paper Presentations</b>			
	• Presentation Slot 6 (30)	• Presentation Slot 6 (30)	• Presentation Slot 6 (30)	• Presentation Slot 6 (30)
12:00-13:00	<i>Mensa</i> Lunch			
13:00-14:00	<b>Discussion Groups</b>			
	<p><b>KA 101</b> <i>Personal dimension:</i></p> <ul style="list-style-type: none"> <li>• Input Background &amp; problems in educating facilitators / multipliers</li> <li>• Discussion groups</li> </ul>	<p><b>KG4 222</b> <i>Material dimension:</i></p> <ul style="list-style-type: none"> <li>• International Materials: Scientix Workshop</li> </ul> <p>followed by</p> <div style="text-align: center;">  </div>	<p><b>KA 102</b> <i>Structural dimension:</i></p> <ul style="list-style-type: none"> <li>• Input Systemic project designs for scaling-up and their evaluation</li> <li>• Discussion groups</li> </ul>	<p style="text-align: center;"><i>KG 5 103 + 104</i></p> <p style="text-align: center;"><i>Opening:</i></p> <p style="text-align: center;"><b>Materials Market</b></p> <p style="text-align: center;">parallel: Poster presentations</p> <hr style="border-top: 1px dashed black;"/>
14:00-15:00	<p style="text-align: center;"><i>KG 5 103 + 104</i></p> <p style="text-align: center;"><b>Materials Market &amp; Poster presentations / Break</b></p> <p style="text-align: center;">(for all participants)</p>			

**Policy Seminar**  
(Internal meeting by invitation only)

Scaling-up STEM teacher professional development - overcoming challenges through a research-policy-practice dialogue

## Schedule: Educating the educators II

Conference on international approaches to scaling-up professional development  
in maths and science education, 7-8 November 2016 in Freiburg, Germany

15:00-15:15	<b>Change of Rooms</b>		<b>Company visit: STEM, vocational education and industry contexts</b> (15:45-17:45, Departure: 14:45)	
15:15-15:45	<b>Paper Presentations</b>			
	• Presentation Slot 7 (30)	• Presentation Slot 7 (30)	• Presentation Slot 7 (30)	• Presentation Slot 7 (30)
15:45-16:15	<b>Paper Presentations</b>			
	• Presentation Slot 8 (30)	• Presentation Slot 8 (30)	• Presentation Slot 8 (30)	• Presentation Slot 8 (30)
16:15-16:30	<i>KG 5 104</i> <b>Coffee Break / Change of Rooms</b>			
16:30-17:15	<i>Aula</i> <b>Final Keynote: Michiel Doorman</b> Utrecht University <i>Problem solving, professional development and systemic change</i>			
	<b>End of conference</b>			

## Early Career Researchers' Day

Satellite Workshop for the Conference on international approaches to scaling-up professional development in maths and science education

Wednesday, 9 November 2016, KA 102	
09:00-09:30	<b>Opening and Socio-mapping of participant's project</b>
09:30-11:00	<b>Workshop I: Rebekka Stahnke</b> <i>Qualitative methods for research on educating educators: Conducting and analyzing Interviews</i>
11:00-11:20	<b>Coffee Break</b>
11:20-12:50	<b>Workshop II: Susanne Prediger</b> <i>Specifying Topics for Professional Development Courses – The WHAT is equally important as the HOW</i>
12:50-14:00	<i>Mensa</i> <b>Lunch</b>
14:00-15:30	<b>Workshop III: Michael Besser</b> <i>Quantitative methods for research on educating educators: Designing, conducting and analysing control trials</i>
15:30-16:00	<b>Open Questions</b>