

Schedule CIDREE STEM expert meeting 2016

The position of mathematics education and informatics education in a coherent STEM curriculum

Tuesday November 22nd

8:30 – 9:00 AM welcome, registration, coffee

Time	Title	Country	Program_ID
9:00 – 9:20 AM	Welcome and domestic rules Opening: Jindra Divis - SLO	NL	1
9:20 – 9:40 AM	Mathematics and informatics in the Slovenian curriculum Radovan Kranjc & Mojca Suban - National Education Institute	Slovenia	2
9:40 – 10:00 AM	Pilot project with computer programming in lower secondary school Ellen Marie Bech – The Norwegian Directorate for Education and Training	Norway	3
10:00 – 10:20 AM	Curriculum development: teachers as active agents of change Rachel Linney & Anna Walshe - National Council for Curriculum and Assessment	Ireland	4
10:20 – 10:50 AM	Discussion (Michiel Doorman)		5
10:50 – 11:20 AM	Break		6
11:20 – 11:40 AM	Development of a STEM Course within the IB Diploma Programme Deborah Sutch – International Baccalaureate Organization	IB	8
11:40 – 12:00 AM	Mathematics and STEM in Flanders AVOHOKS, Flanders, Belgium	Belgium	9
12:00 – 12:20 AM	Discussion (Jos)		10
12:20 – 12:50 PM	Lunch		11
12:50 – 1:30 PM	Walk through ancient Utrecht		12
1:30 – 2:10 PM	The new French curriculum for mathematics and technology Gilles Aldon & Sophie Soury-Lavergne - University of Lyon	France	13
2:10 – 2:30 PM	The silent C in STEM Andrew Paul Csizmadia & Miles Berry - Computing at School - England	CAS, England	14
2:30 – 2:50 PM	Discussion (Michiel)		15
2:50 – 3:20 PM	Break		16
3:20 – 3:50 PM	Computer Based Mathematics – a global progress report Adrian Smith & Alec Titterton	Wolfram CBM	17

3:50 – 4:10 PM	Changing mathematics education in Estonia: Computer-based statistics project Terje Hõim, Carita Hommik, Ülle Kikas - University of Tartu	Estonia	18
4:10 – 4:30 PM	New proposed curricula and in-service-training concerning digital competence in all syllabuses - Helena Karis & Olof Andersson	Sweden	19
4:30 – 4:50 PM	Discussion (Jos)		20
4:50 - 5:15 PM	Small group discussion - identifying future directions and a common core of mathematics education and informatics education in a coherent European STEM curriculum -> Group product: poster	International	21
5:15-5:45 PM	Poster presentations (6*[3+2] minutes) + plenary discussion	International	22

Evening program including dinner 6 - 10 PM.

Wednesday November 23rd

Time	Title	Country	Program_ID
9:00 – 9:30 AM	Drawing-based modeling to support higher order thinking in mathematics and science – Wouter van Joolingen – FI	The Netherlands	23
9:30 – 9:50 AM	Modeling as a New Literacy Nataša Grgurina – University of Groningen	The Netherlands	24
9:50 – 10:30 AM	Small group discussion: modeling as a common core STEM skill? Provide examples and/or arguments pro / contra	international	25
10:30 – 10:50 AM	Break	international	
10:50 – 11:20 AM	Plenary discussion on modeling as a possible common core STEM skill (and its implications for computer-based mathematics and informatics education) (Michiel)	international	26
11:20 – 12:00 AM	Small group sessions, utilizing the Tuesday poster results Identifying common issues, frameworks and future work/directions	international	27
12:00 – 12:30	Informal poster gallery		28
12:30 – 1:00 PM	Lunch		29
1:00 – 1:25 PM	Final discussion on future work and collaboration (Jos)	international	30
1:25 – 1:30 PM	Decision on CIDREE STEM 2017 and	international	31
1:30 PM	Conference closing	international	32