



### Centre Management Board

Meeting Time: Friday 13.03.15: 10.00-12.00  
Place: A 7001, Gimlemoen

### Minutes

01/15 Welcome, attending: MAN, FR, ES, SG, LEM, ABF, MB, IJK, IE, HHG, ST, MN, FrodeR, IAH  
Apologies received from CVB.

02/15 Agenda for meeting agreed:  
Additional item: Question from MAN received from Vice Principal for Research about inspiring international good practice examples of how higher education institutions try to improve education quality and boost the learning experiences of students. MatRIC could be an example of this.

03/15 Minutes from meeting held on 28.11.15 was accepted as an accurate record.

04/15 No new matters raised that would not be covered during the Centre Leader Report.

05/15 Centre Leader's report (Attachment #1) received, includes calendar for 2015

- Events 2015: Visualization, modelling and computer aided assessment – are in route. Simon asked Marit if she could check whether Torunn will introduce 26. May at 13.00. Marit would do that. Question about audience at these symposiums: Visualization: teachers teaching mathematics for engineers, Modelling: engineering, Biology, mathematics teachers. Digital assessment: people teaching mathematics.
- Mathematics support Centre: Latest developments - Anne Berit Fuglestad and Svitlana Rogovchenko are the coordinators for each of the campuses, Kristiansand and Grimstad respectively. Locations – we seek help from Marit to argue for appropriate rooms for this. At Kristiansand the Mathematics Room in building 48 was proposed.
- University level mathematics teaching induction course: a leader has been appointed for this, Svitlana Rogovchenko. Professor in mathematics. Simon proposed the course be located at NTNU. Reasons for this included: location – more centrally, we want to take MatRIC around Norway, NTNU is one of our collaborating partners, the location at NTNU will give the course additional credibility – a lot of mathematics is taught at NTNU. The course would then be a collaboration between UiA, NTNU and MatRIC. The course: three days in August (before teaching starts), two days November/December, one day second semester. Presentations of different aspects of teaching. The hope is the course would initiate a mathematics teacher network – it would be aimed at newly appointed university level mathematics teachers and teaching assistants.

The course would aim for about 15 participants. A strategy for transfer (or appropriation) of knowledge is very important. Coordinator/leader is appointed to set the course up, not



necessarily to teach it herself. What competence does a mathematics teacher need? This could be part of a bigger strategy. What are the intendeds learning outcome? What does one need to learn/know as a mathematics teacher? What is likely to be needed as a mathematics teacher ten years from now?

Build competence profile. This is lacking at the national level – for all subjects. NCTM? Framework for the courses. Marit – argued for it to take place in Agder at first, but it was decided that it could start out at NTNU, then we can have it at UiA in the second round. NTNU is happy to have the course and it will be presented as a UiA, MatRIC and NTNU event.

- MatRIC was challenged at the last Board/IAB meeting about our Research Agenda. One suggestion was to hire a research coordinator. We asked a colleague to do this, but the colleague declined the invitation. We decided that Simon will do this. But we are hiring an administrative person to help with Simon's and Line's tasks and that should make some more time for Simon for this purpose.

06/15 Annual report to NOKUT and feedback

The board did not make any comments regarding this but have seen the report sent to NOKUT and the feedback letter from NOKUT.

07/15 Revised budget for 2015

LEM went through the changes made since the Board saw the budget proposed for 2015 in October. The budget for 2015 is quite tight and in 2016 we will need to think through changes that can be made to save money. Any new activities now need to be financed by external money. The Board approved the budget as proposed.

We will apply FINNUT together with NTNU and maybe NMBU.

08/15 Information about the process with matric.no

LEM told about the process. Phase two of matric.no is about to go out for tender. Matric.no will get more possibilities for interaction at the webpage, a place for the videos produced in the project "national digital resource for the transition in mathematics from high school to University level" and some tools for administration of Events. Three providers are invited to tender.

09/15 Reports from NTNU and NMBU

#### **NMBU**

Hired a new person in the project. They use a framework for competence. Would like to disseminate some of their findings through matric.no.

- Integrate informatics and calculus. Didactical research alongside
- Høgskolen i Østfold: Project to get programming into high schools. Collaboration.
- Real analysis: "lector" students will be mentors for the students to contribute to a reduced failure rate.



### NTNU

Frode R informed briefly about the Fusion of NTNU with HiST, HiGjøvik and HiÅlesund. More engineering at NTNU now and more bachelor students. Will enlarge MatRIC's operational base.

They are increasing the competence in mathematics education at the mathematics institute.

The project has employed a Post Doc and there has been a meeting with UiAs Post Doc. Maybe there can be some case studies at UiA, NTNU and Sweden – and comparative studies.

External funding: FINNUT in May, but maybe better “research projects to be announced in the autumn 2015 (September). NTNU are planning a research project in this based on their internal project – invitation to MatRIC and UiA to be partners/host in this.

10/15

### Any other business

#### Contact with IAB

Several will come to the modelling colloquium in May. After the modeling colloquium on 29 May – three members of the IAB and the coordinators in MatRIC will join in working meeting.

All of members of the IAB have agreed to come to the Annual Conference in November and make a presentation.

#### MatRIC's research agenda

Identify research strands... We are connecting the research to each of the working groups in MatRIC.

MAN, SG and LEM will take a look at the request from the vice principal for research; Dag Aasland.