

Collaboration with NTNU. (from supplementary material submitted to NOKUT)

MatRIC will have a national profile that facilitates networking, collaboration and dissemination of innovation and research in teaching and learning mathematics within user programmes. In Norway, The Norwegian University of Science and Technology (NTNU) is the leading technological university and is investing heavily in developing and researching approaches using multimedia based technology in teaching and learning mathematics and other subjects. Teachers and developers at NTNU are creating high quality educational videos on specific subject topics and researching the factors that impact upon the videos' effectiveness in teaching and learning. There is considerable complementarity and some duplication of effort in mathematics teaching through video at NTNU and UiA, and thus scope for collaboration and synergy. MatRIC will be keen to support the national networking of teachers with NTNU and other universities and university colleges and the dissemination of teaching products and research into the use of these multimedia products.

MatRIC will provide the context and release resources for collaboration between mathematics teachers at UiA and NTNU, and because of the critical mass they produce others will want to participate. Innovative teachers of mathematics, science and engineering, and researchers in mathematics education at UiA and NTNU are seeking opportunities to collaborate to form the nuclei of several interest groups focusing on producing and researching the effectiveness of a diversity of resources for teaching, learning and applying mathematics with emergent technology.

- MatRIC will support the development of a special interest group that focuses on the innovation and research in using multimedia technology in teaching and learning mathematics. MatRIC will contribute towards travel and subsistence of teachers engaged in and wishing to develop similar teaching products from other institutions to meet and collaborate with the NTNU team.
- At UiA and NTNU mathematics teachers have experience of working with computer simulations of mathematical concepts to support teaching and learning, and there has been some exchange of ideas. The existence of productive divergent thinking between the UiA and NTNU groups will result in creative engagement and both groups are looking forward to the opportunities for collaboration in this development that will be opened up by MatRIC.
- MatRIC will support research, complementary to that already proposed and pursued by teachers and developers at NTNU into the use and effectiveness of multimedia based technology in teaching and learning mathematics.
- MatRIC will provide opportunities for the dissemination of innovative products and research evidence within the Norwegian community (MatRIC Newsletter, MatRIC Journal, links from the MatRIC web-site).
- NTNU will be represented on MatRIC Management Board. (Professor Frode Rønning, Professor of Mathematics and Mathematics Education at NTNU).

Professor Berit Johanne Kjeldstad, Pro-Rector (Pro Vice Chancellor) at NTNU, with special responsibilities for educational matters writes as follows: "I fully support the initiative taken to establish collaboration between NTNU and the University of Agder in the proposal to establish an SFU based on the MatRIC project. The responsible unit at NTNU to follow up the project will be the Faculty of Information Technology, Mathematics and Electrical Engineering represented by the Department of Mathematical Sciences."

Through networking and other means MatRIC will seek to support and disseminate innovation and research in teaching mathematics to engineers, economists, scientists etc. that are being carried out in all Norwegian institutions of higher education. MatRIC will only seek acknowledgement when the Centre has provided substantial support, it will not claim ownership of products. It will be the aim of MatRIC to recognize and promote innovation and research and direct to expertise and centres of innovation and research in teaching mathematics for the benefit of teachers and students in Norway, Scandinavia and internationally. Intellectual property rights will remain with the authors and originators of research and developments, but a condition of receiving Centre support will be that products supported by the Centre will be freely available.