

## **SWEDEN – A NATIONAL PRESENTATION**

Johan Prytz (Uppsala University), Ida Bergvall (Uppsala University)

The presentation is focused on the mathematics education in Sweden in school years one to twelve. First, there is a section on the history of Swedish mathematics education (1850–2021), which highlights the content of the curricula, but also organisational, sociological and cultural issues. The aim is to provide a context of Swedish mathematics education of today. We continue to a brief section on the current organization of the Swedish school system. This is followed by a lengthier section on teaching methods and philosophies of teaching in the last 25 years. This is a turbulent period in the Swedish school system. It began with a very deep economic crisis and at the same time the school system was decentralised in new ways, which included implementation of new public management, free school choice and a general voucher system. During the 20 first years of the same period of time, the Swedish results in TIMSS and PISA plummeted. The aim of this section is to describe the main trends in Swedish mathematics teaching during this period of time. After that there is a section on the mathematics syllabus and teaching material of today. The content of the current syllabi is described more thoroughly along with a more general description of textbooks. The development of the textbook market is also considered. The presentation ends with a brief discussion about the future and how Swedish mathematics can or should develop. This includes also more recent and general challenges related to for instance a major shortage of teachers and a relatively great number newly arrived immigrants.