

## **Updates from the ESS and its Data Management and Software Centre**

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The European Spallation Source (ESS) is currently under construction in Lund, Sweden, with the ambition to become the world's most powerful neutron source, enabling scientific breakthroughs in research related to materials, energy, health and the environment. In parallel with the construction project in Lund, the ESS Data Management and Software Centre (ESS-DMSC) in Copenhagen is preparing for the commissioning of instruments and the user program by developing the scientific computing tools and services required for preparing and running experiments at the ESS and analyzing the resulting data from such experiments.

In this talk the latest updates from the ESS project will be given going through the accelerator, target, and instrument sub-projects followed by a presentation of the ESS-DMSC and its scope. This scope includes topics like high performance computing, research software engineering, data science, materials and molecular modelling, and instrument simulations. All with the purpose of maximizing the scientific and societal impact from materials research at the ESS. The presentation will conclude with a discussion on how to engage and collaborate with the ESS-DMSC, and in a wider perspective, the ESS.