

Charge for the 17th meeting of the ESS SAC

As always, the SAC is invited to comment on the status of the Science Directorate and the NSS project.

Since the previous SAC meeting, the ESS organization has complemented and refined the plans for initial operations (2020-2026), and calculated the associated costs. These plans and costs were reviewed by external experts at the Initial Operations Review held in May. The initial operations costing and the review outcome will be presented to Council next month, in order to initiate discussions on initial operations funding by the member states. The SAC statement to Council on the review outcome will impact these discussions.

The review panel provided an assessment of the planning and budget presented by ESS, along with a recommended order of prioritization to be used in case the initial operations funds will be insufficient to cover all currently planned activities.

- Please advise on the outcome of the review, from an ESS science (long-term and early science) perspective.
- Please advise on the recommendation of initiating instrument projects 16-22 prior to upgrading instruments 1-15 to full scope. Would a carefully considered combination of the two be more beneficial? If so, please advise on how to prioritize.

After last year's scope setting, the instrument projects have gone through Phase 1 and many of them have passed Tollgate 2. In addition further work has been performed on the test beamline.

- Please advise on the progress and planning of the instrument projects.

Based on the results of the Tollgate 2 meetings and discussions with the machine directorate the instrument schedule has been updated. The result is a focus on reliable operations at 2 MW proton beam power for the initial years of user operation.

- Please advise on the progress of the schedule planning

The sample environment projects have reached a considerable level of definition, with focus on a sample environment reference suite matched in scope and schedule to the first eight instruments. The current report is in response to a request from SAC.

- Please advise on the progress, planning and integration of the sample environment projects.

The Data Management and Software Center has progressed in planning and development activities and intensified integration with the instrument projects and the rest of NSS. The current report is in response to a request from SAC.

- Please advise on the progress, planning and integration of DMSC.

The ESS Scientific Data Policy draft presented will be brought to Council next month for approval. It has been presented to the Administration and Finance Council and to the Instruments Collaboration Board.

- Please advise on the contents of the ESS Scientific Data Policy draft and provide a recommendation to Council.