

Diffraction STAP	April 22, 2026	https://indico.ess.eu/event/3993/
Common STAP	April 20, 2026	https://indico.ess.eu/event/4007/

Charge

The purpose of the meeting is to keep the STAP informed and up-to-date of the current **status of the instrument projects**.

In preparation for **First Science**, we will consider ideas **for HEIMDAL**.

With respect to **new diffraction instrument proposals**, we ask the STAP to comment on the following points for each new instrument concept:

- Scientific impact of instrument parameters.
- Strategy and uniqueness
 - How well does the instrument complement the ESS, European and world neutron scattering landscape?
- ESS pulse structure.
 - Does the instrument concept use the strength of the ESS pulse structure?
- Technical feasibility.
 - Is the instrument concept feasible (in this preliminary phase). Note that this is not the main focus of the current review but please note any technical issues that may prove difficult/impossible to resolve.

The roadmap for future instrumentation has been presented earlier at <https://ess.eu/instrument-roadmap> and by the [webinar](#) of Giovanna Fragneto.

The findings and recommendations should be formulated in a written report, which will be also given to the following SAC meeting.

For the instrument teams:

- Prepare instrument progress presentations including responses to specific topics raised in previous STAP meetings
- Provide status reports of the instruments prior the meeting at the indico page

For ESS:

- Organize the meeting
- Update the STAP on ESS and progress