

## **STAP CHARGE – 2020-04-27/28 - version April 7**

In view of envisaged **Hot Commissioning in 2022** and **First Science in 2023** but also to overcome the impact of the **COVID-19 crisis**, the STAPs are invited to comment and to provide advice on...

### **Common Topics for both STAPS related to the Scientific Activities Division (Sample & User Services, Sample Environment)**

- Overall progress towards completion of construction project “science support systems”, including remaining in-kind deliveries and commissioning activities.
- Overall progress of on- and off-site labs and workshops, equipment, staffing, and capabilities.
- Updated guidelines on required instrument provisions including infrastructure, mechanical interfaces, utility supplies, control infrastructure, and sample workflow.
- Delivering collaborative research and development activities, including external grants, and proposed LENS priority action(s).
- Prioritising construction deliverables and operational activities following the COVID-19 crisis in view of ensuring Hot Commissioning in 2022 and First Science in 2023.

### **STAP Sample and User Services**

- Revision of policies related to user access, affiliation, and scientific publications to enable First Science.
- Participation in development of user office & proposal software tools.
- Suitability of minimal set of requirements for the user office & proposal software tools and the suggested implementation needs vs available resources adequate for hot commissioning in 2022 and first science in 2023.
- Operating deuteration support services and preparation for next pilot call in view of Hot Commissioning and First Science including prioritised access for COVID-19 research.
- Evaluation of laboratory spaces, equipment priorities and competences for (future) staff for lab services and method development.
- Progress on installing and using the on-site (user) laboratories including sample management during Hot Commissioning and towards First Science.

### **STAP Sample Environment**

- Progress on and prioritisation of individual sample environment systems - both in-house and in-kind - for the initial instrument suite to support hot commissioning and first science.
- Ways of working related to sample environment system integration including mechanical interfaces (design & manufacturing), controls, safety documentation (hazard analysis, risk assessment) and planning for maintenance.
- Prioritisation of ‘Day 1’ sample environment systems and the proposed strategy for its integration in view of schedule and available resources to support hot commissioning and first science on instruments #1-8.
- Progress on fitting and using on- and off-site sample environment workshops.