**Taskforce Weekly Plenary Meeting**   
***Agenda, 23 June 2025***

**Meeting time:** 14:30 – 16:00 CET

**Zoom meeting room:**

[Zoom link](https://cern.zoom.us/j/61274255815?pwd=2fwGbaMrZAYmUfpUfMCjKwpoYzPCKd.1)

Attendees: All task force members

Chair: Fiodor Sorentino

**Key Takeaways:**

* Task force to deliver final document version by Friday evening, fulfilling mandate;
* Executive summary to be added with key achievements, risks, and outstanding issues;
* Some follow-up interactions with local teams may be needed in coming months;

**Next Steps:**

* Fiodor to circulate draft executive summary for review;
* All members to do final document checks (typos, references, etc.);
* Submit final document version by Friday evening;
* Await potential requests for follow-up interactions with local teams.
* **Answers to comments by review committee**

***14:30-15:40 CET***

**Point presented by:** Fiodor Sorrentino & all

**Point submitted for:** information and discussion

Background to be provided by the speaker.

**Summary of discussion:**

The meeting began with a review of the comments received from the external review committee on the main document and supporting document. The Task Force members discussed addressing concerns around the mandate, system decomposition, optical layout, integrated towers, detector layout, and risk analysis. They agreed to make clarifications and updates to the documents based on the feedback.

The Task Force members discussed the comments related to the cryogenic infrastructure and technical noise, including the need to better explain the status of knowledge and ongoing R&D efforts in this area. They agreed to add a summary of this information to the supporting document.

The review committee requested a summary table to clearly show the impact of different design parameters on the science case. The Task Force members agreed to reference the detailed tables already included in the supporting document and potentially add a paragraph in the main document to direct readers to this information.

**Key takeaways - Review Committee Comments:**

* Mandate clarification needed on "acceptable costing load" - to be addressed in introduction;
* System decomposition diagram (level 3) to be added;
* Optical layout section updated with specific numbers and references;
* Integrated towers section to clarify weight impacts and overall outcome;
* Detector layout updates:
  + Vacuum system interconnections lacking detail - to be addressed;
  + HVAC requirements clarified as preliminary, detailed design pending;
  + ISO 9 cleanliness requirement explained for all underground areas.

**Key takeaways - Document Updates:**

* Executive summary to be added with:
  + Achievements vs 2024 baseline (e.g. ~25% civil infrastructure cost reduction);
  + Key design parameter changes (filter cavity location, tower heights, etc.);
  + Summary of key risks from risk register;
  + Main outstanding issues.
* Civil infrastructure section updates:
  + Clarify volume estimates are ranges, not absolutes;
  + Link technical requirements to output tables;
  + Add conceptual dewatering system schematics.
* Science case section:
  + Add summary paragraph referencing detailed impact tables in annex.
* **List of external contributors**

***15:40-15:50 CET***

**Point presented by:** Fiodor Sorrentino & all

**Point submitted for:** information and discussion

Background to be provided by the speaker.

**Key takeaways:**

* External contributors added, including OSB members, squeezing experts, and thermal noise analysts;
* Task force members to suggest any final additions.
* **Conclusion of Task Force work and follow up**

***15:50-16:00 CET***

**Point presented by:** Fiodor Sorrentino

**Point submitted for:** information

Background to be provided by the speaker.

**Summary of discussion:**

Fiodor outlined the final steps, including delivering the updated documents by the end of the week and the external review team providing their final report. He thanked the Task Force for their contributions and noted that this would be the last weekly meeting, with some potential for follow-up interactions in the coming months as the project transitions to the next phase.

Thanks a lot, to every Task Force team member and external contributors! It was a nice and smooth collaboration with great output!

