

# A5 Technology

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- Technology interested people have been meeting very 2-3 weeks on average during 2023
- **Key research areas important for technology research which could develop into focus areas for NorCC**
  - Cooling - synergies between NTNU, HVL, CERN, as well with the experimental collaborations (ATLAS) and CERN Green Village
  - Power/Electronics/Energy - synergies between institutions in Norway and CERN, also relevant for Green Village
  - Computing/ML/AI - Relevant for all NorCC institutions and CERN, also highly interested for Green Village, strong synergy with Network 2
  - Medical Research - strong relations to Accelerator physics and low energy nuclear physics
- Call for SFI - tomorrow we discuss if we would like to participate and how
  - We are not interested in writing an application ourselves but happy to join others
  - Yes we would like to apply but first in 4 years, way forward
  - Yes, we would like to apply next year
- **NB - Call for convener** - if you would like to take an active role in this activity let Eli and Heidi know
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**All are welcome to participate**

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- Plan for next year - we try a different model for discussion:
  - Thematic, more in-depth discussions on dedicated topics: Examples:

1. Presentation on efforts on cooling, presentations by Elec, organised by technology?

- NTNU
- UiA
- ATLAS ITK
- etc.

2. Electronics, presentations by, organised by network 1?

- HVL
- UiA
- NTNU
- ALICE upgrades
- DRD - Electronics
- etc.

4. ML and AI, organised by Network 2 with help by technology?

- sScience
- ML UiA - CMS
- ML HVL
- ML in ATLAS
- etc.

3. Lasers, organised by technology and A4?

- NTNU
- AEGIS
- Low energy detector developments

4. Future detectors, organised by Network 1?

- ALICE3
- ATLAS post ITK
- DRD solid state
- DRD quantum sensing

5. Medical physics organised by technology with help from A3?

- Accelerators
- Protontherapy
- Detector applications
- Dosimetry

6: Innomavtion, TT, entrepreneurship, organised by technology ?

- Screening week
- Ideasquare
- Innovasjonskontakter Norge

7. Students and education, organised by EDE?

- Recruitment
- "Programs"
- Career building
- Education, courses
- Summer@cern

**All are welcome to participate**