

2025/02/04

15 Year Planning Exercise

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CFI requests SNOLAB to produce a 15-Year Operations and Maintenance Plan



- CFI has requested SNOLAB to produce a 15-year under three budget scenarios by September 15, 2025.
 1. Maintaining current levels of operation
 2. Fully supporting the needs of the Canadian research community
 3. Increasing global competitiveness
- Senior leadership has begun work on this plan. Hired additional temporary staff to help ensure delivery.
- Engagement with SNOLAB staff occurred in December and January.
- Various engagements with SNOLAB community are planned.
 - February 4th SEF meeting
 - Future Projects Workshop at SNOLAB, Apr 29 – May 1
 - Special session at CAP in June
 - Presentation of findings at the August MI meeting



2025 Future Projects Workshop

Registration now open!



2025 Future Projects Workshop

April 29, 2025 to May 1, 2025
SNOLAB
Canada/Eastern timezone



Overview

Registration

Venue - About SNOLAB

Visitor Information & Meeting Site

Virtual Tour of SNOLAB

Underground Tour Information

SNOLAB 15-Year Plan

Travel Information to Sudbury

Accommodations & Visiting Sudbury

Hotel Booking Link

Dining & Cuisine Options Near Hotel

As part of our long-term planning process, SNOLAB provides a community-wide review of potential future projects interested in access to the underground laboratory. The Future Projects Workshop (FPW) engage with collaborations that have an interest in using any space underground, including any of the large-scale experimental areas within SNOLAB, over the next five to ten years are invited to present their capabilities, R&D projects, status, plans, and infrastructure requirements.

Additionally, the workshop will cover SNOLAB's new 15-Year Plan framework introduced in the 2024 Canadian Federal Budget to support Major Research Infrastructures. (See 15-Yr Plan tab for further details).

We look forward to hosting you in-person at SNOLAB!



Starts Apr 29, 2025, 9:00 AM

Ends May 1, 2025, 5:00 PM

Canada/Eastern



SNOLAB
Surface Facility/1-121 - Fraser Duncan Auditorium

1039 Regional Rd 24

Lively, Ontario

[Go to map](#)

Why Now?



- New decision-making framework was introduced in the 2024 Canadian federal budget to support Canadian Major Research Infrastructures.
 - Six research facilities introduced including SNOLAB
- Central Pillar Lifecycle funding for designated facilities
 - Requires CFI to assess long-term capital and operational needs of each MRF to make a request to the Government of Canada.
- SNOLAB has been asked to provide detailed and reliable budget estimates for the next 15 years under three budget scenarios.
- As part of this process, SNOLAB will also be required to provide a facility condition assessment and asset management plan under these three scenarios.

Three Scenarios: Current Working Definitions (subject to revision)



Maintaining current levels of operation

- Current laboratory at 100% occupancy
- New modest surface building offsite: *"Lively Campus"*.

Fully supporting the needs of the Canadian research community

- Expand underground laboratory with new ladder labs to meet increased demands for space and capabilities.
- New larger surface building offsite: *"Lively Campus"*.

Increasing global competitiveness

- Expanded underground laboratory with new ladder labs and large cavern to potentially host a beyond tonne-scale $0\nu\beta\beta$ beta decay, a beyond 3rd generation dark matter experiment, or something else
- New *"Lively Campus"* with expanded facilities (hostel, cafeteria, ...?)

What are we doing today?



Brainstorming: What new capabilities should we consider? What support do we need for those capabilities?

New Capabilities or Expansion of Existing Capabilities: *What are they and what do they require?*

Lab Expansion: *What does that require? What capabilities or support infrastructure would be needed or housed in an expanded lab?*

Additional Surface Building: *What spaces/capabilities do we need to have in a new building?*



