CANADA FOUNDATION FOR INNOVATION

Development of MRF Implementation Plan

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for Innovation

Fondation canadienne pour l'innovation

Milestones

- May 2024 Government of Canada approves MRF Framework
- CFI mandated to implement in collaboration with ISED
- June 2024 Preliminary
 Implementation Plan submitted to
 Minister of ISI
- September 2024 Consultation with MSIF supported facilities & TRIUMF
- November 2024 Summary Report of Consultation
- April 2025 Final Implementation Plan due for submission to Minister of ISI



Portfolio approach

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Portfolio Approach: What's in the Framework?

- ✤ Goal: Maintain a diverse portfolio to maximize scientific and socioeconomic benefits for Canada
- Investment & Divestment: Decisions based on strategic priorities, competing needs, opportunities and transparent processes
- Minister of ISI Role:
 - o ensures alignment with national priorities
 - \circ Sets proposal themes
 - Approves facilities/projects eligible to apply —established or in development
- Current & Future portfolio:
 - Six designated Major Research Facilities
 - Potential expansion: TRIUMF may transition to MRF
 Additional facilities considered based on eligibility, resources, and portfolio review

Facilities within the scope of the MRF framework are

- national in both scope and significance, advancing Canada's scientific interests and objectives, resulting in benefits of national strategic value, and critical research infrastructure;
- international in reach, contributing to the advancement of international science, hosting international users, and participating in international agreements, networks, and projects;
- unique in the capabilities they offer and the breadth of multi-disciplinary and multisectoral communities they serve;
- > complex, requiring extraordinary planning and engagement of multiple players; and
- Iarge-scale, carrying significant and long-term operating costs, and typically exceeding \$100 million in capital costs.

Portfolio Approach: What Did We Hear?

Guiding Principles:

- Clear objectives & inclusive of multiple disciplines
- Consider interactions across facilities & international collaborations
- Strong backbone of digital infrastructure (e.g. Digital Research Alliance of Canada and CANARIE)
- Strategic Review Committee:
 - Diverse expertise and balanced disciplinary representation
 - $\circ~$ Periodic reviews to ensure responsiveness to new ideas and opportunities
 - Structured pathways for new facilities & major upgrades

Portfolio Approach: What Did We Hear?

- Resource Allocation:
 - Avoid spreading resources thin; each MRF supported to ensure optimal operations and long-term goals
 - $\circ~$ New MRF require additional funding

Portfolio Approach: What Do We Propose?

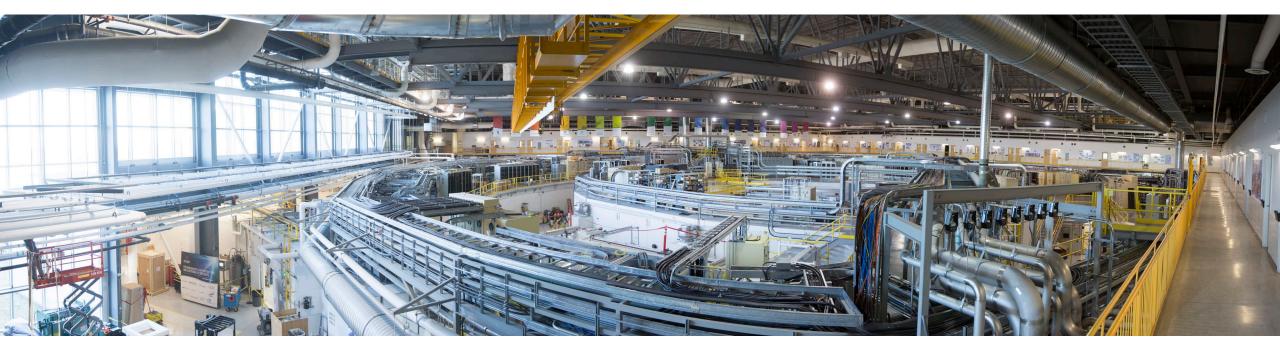
Portfolio of Canadian Research Facilities of National Importance:

- MRF (Major Research Facilities): Strategic selection
 - Including investment in access to international facilities
- MSIF (National Research Facilities): Bottom up, based on excellence & strategic input
- Objective: Portfolio of MRF & MSIF creates a range (network) of capabilities that serves the national interests & advances scientific progress.
- Key component: Digital infrastructure & services Collaboration with community (Data working group & survey)

Portfolio Approach: What Do We Propose?

- Strategic Review Committee
 - Standing Committee with multidisciplinary research and industry leaders with strong understanding of the lifecycle of research infrastructures and Canada's research and innovation priorities
 - Advises on budget requests & portfolio composition
 - Can recommend major upgrades, new additions, divestment –ministerial approval required
- Informed Recommendations:
 - Alignment with Canada's research capacity & national strategy for research and innovation, guided by ISED & CFI

Questions or comments?



Life-cycle approach

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Lifecycle Approach: What's in the Framework?

- Investment decisions consider facility's full lifespan, scale & scope of resource needs
- Funding Stability: Portfolio funding remains fixed for fiscal stability & reviewed every 5 to 7 years
- MRF Phase 2: O&M up to 80 % covered by the CFI Capital - up to 40 % covered by the CFI
- Minister of Industry, Science and Innovation Role
 - Proposes federal funding adjustments based on portfolio reviews
 - Approves facility divestment proposals

Lifecycle Approach: What Did We Hear?

Balancing long-term stable funding and flexibility to respond

- Long-term funding cycles of 5–10 years, adaptable to facility needs.
- Contingency funding & adjustments during funding periods are essential
- Support for transition and decommissioning: Minimum 3-year continued funding for facilities winding down
- * Enhancing Research Support: Include funding for research scientists and R&D activities
- Matching Funding: Engage provinces, territories, and other funders early.
- Resource distribution: Ensure MRF programming doesn't reduce resources for MSIFsupported facilities. Both are vital to Canada's research ecosystem.

Lifecycle Approach: What Do We Propose?

Reassessing Funding levels every 6 years

New mechanisms for

- ✓ Adjustments to address unforeseen challenges & opportunities
- ✓ Major facility upgrades
- New facility development
- Transition period in event of reduced funding or divestment decisions

Separate MSIF & MRF funding envelopes

- Advocating for Full Funding Needs
 - Assessing and will informing government on full needs, including currently ineligible costs (e.g. \$ for research scientists)

Questions or Comments?

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Coordinated funding for capital and O&M

Coordinated Funding for Capital and O&M: What's in the Framework?

Decisions on capital and O&M will be coordinated to better consider both immediate and long-term needs in the context of a facility's entire lifecycle

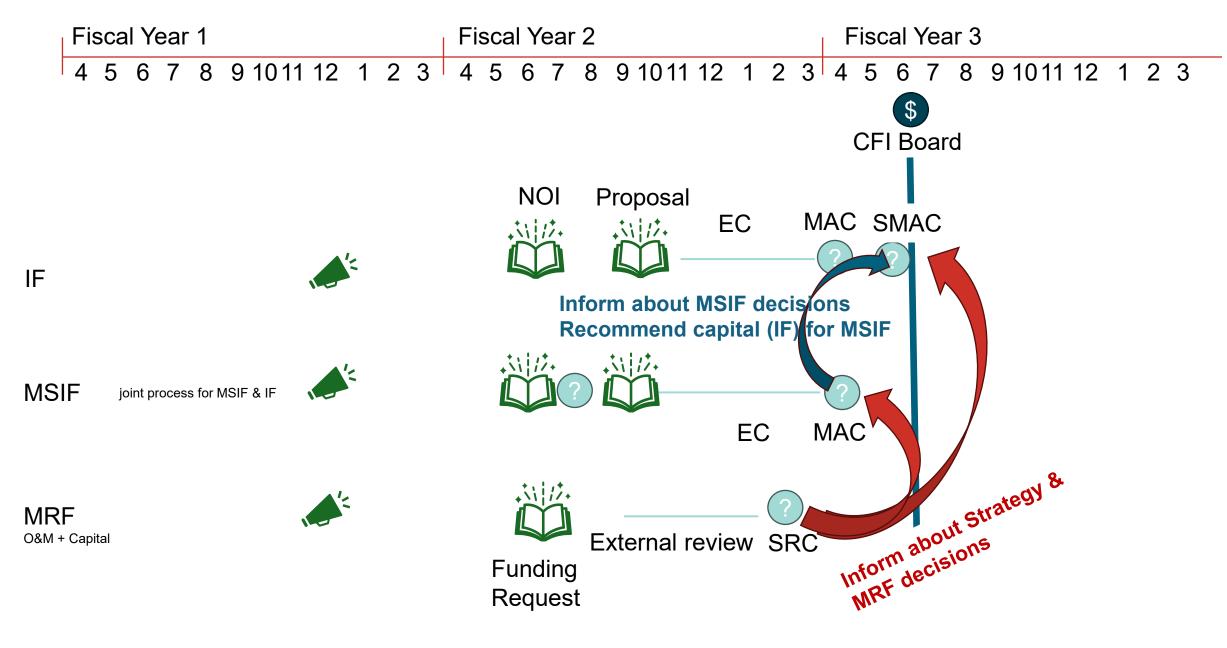
Coordinated Funding for Capital and O&M: What Did We Hear?

- ✤ A single budget for capital and O&M to support long-term planning
- Ensure coherence across capital and O&M investments to avoid gaps or redundancies
- MSIF requires coordination of funding decisions for capital and O&M

Coordinated funding for capital and O&M: What Do We Propose?

For MRF:

- Combined funding request for O&M and capital funding
- For MSIF:
 - Improved coordination of O&M funding (MSIF) and Capital (IF) funding decisions



Questions or comments?

Where do we go from here?

The CFI will

- Review of feedback from today's consultation
- Finalize implementation plan
- Share with CFI Board of Directors
- Submit to the Minister of ISI by April 30, 2025

Research Facilities & the CFI

- Engage with Provinces, Industry and other sectors
- Continue to demonstrate the value proposition Research Facilities of National Importance bring to Canada

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Thank you



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