

PRIMA Québec is an *advanced materials research and innovation hub* that supports and promotes the advanced material sector through collaborative innovation to help spur the growth of Quebec's economy. It is the leading catalyst between the industrial and research sectors.

FOUR DRIVERS OF INNOVATION

1

Support

- Identify expertise, R&D and HQP needs, and business opportunities;
- Seek out industrial and academic partners;
- Facilitate networking opportunities.

3

Infrastructures

- Raise awareness of cutting-edge equipment;
- Provide access to advanced equipment;
- Coordinate and promote scientific platforms.

2

Funding

- Funding for collaborative projects;
- Referrals to alternative funding resources;
- Funding program promotion.

4

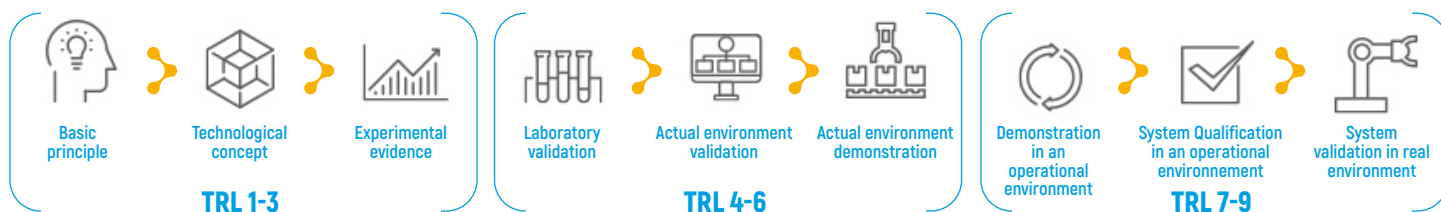
Outreach

- Academic and industrial promotion in Quebec and abroad;
- Collaboration with foreign partners.

FUNDING PROGRAM GUIDELINES

GENERAL CALLS FOR PROJECTS

Eligible applicants: CCTTs, universities and public research centres that collaborate with industry;
PRIMA funding (per project): \$500K/year for maximum three years, totalling \$1.5M (IRC and MEIE management fees included);
Indirect research costs: 27% of funding provided by PRIMA (universities and CCTT only);
Scientific and economic evaluation: Independent jury selected by the FRQ-NT and the NRC-IRAP.



SME component (Small and Medium-sized Enterprises < 250 employees):

- 1 SME minimum, with a presence in Quebec (R&D or production)
- Other companies (Large company and/or outside Quebec company) can participate in the project
- If the SME participates with a large company, the SME's significant participation in the project must be demonstrated
- 40% Max. PRIMA contribution (Max. 1.5M\$), 80% Max. cumulative public contribution
- 20% Min. industrial's contribution
- Management fees: 4% (of the global cost of the R&D project) divided between MEIE and the industrialists according to their contributions to the project

Contributions	\$	%
Industrial Partners (Cash)	20,000	Min. 20
PRIMA Québec	40,000	Max. 40
Additional public funding	40,000	40
TOTAL R&D BUDGET	100,000	100

Large company component (>250 employees):

- 1 large company minimum with a presence in Quebec (R&D or production)
- Other companies (Large company and/or outside Quebec company) can participate in the project
- 20% Max. PRIMA contribution (Max. 1.5M\$), 60% Max. cumulative public contribution
- 40% Min. industrial's contribution, of which 50% can be in kind
- Management fees: 2% (of the global cost of the R&D project) divided between MEIE and the industrialists according to their contributions to the project

Contributions	\$	%
Industrial Partners	40,000	Min. 40
Cash	(20,000)	(20)
In-Kind	(20,000)	(Max. 20)
PRIMA Québec	20,000	Max. 20
Additional public funding	40,000	40
TOTAL R&D BUDGET	100,000	100

OTHER CALLS

International calls:

- M-ERA.NET
- ERA-MIN
- Quebec-Korea
- QuantERA

Thematic calls:

- Artificial intelligence, Quantum technologies
- Innov-R, GHG reduction
- Critical and Strategic Materials (CSM)
- SIITEC

Horizon Europe:

Sébastien Garbarino,
 Horizon Europe and International coordinator
 for RSRI Québec
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ADVANCED MATERIALS



Basic materials

Untreated or unprocessed materials upstream from the production line.

Example: Nanomaterials, polymers, metals and alloys, natural and high-performance fibres, glass and ceramics, bioengineering materials, advanced composites, semiconductors, functional coatings, coatings, thin films, membranes, quantum materials, etc.



Finished and semi-finished products

Products intended for intermediate and end users (material integration).

Example: Sensors and electronic/optical components, technical and smart textiles, transportation components, prostheses and implants, ecomaterials, batteries and fuel cells, packaging, quantum technologies, etc.



Processes and instrumentation

Innovative material-related processes.

Example: Additive manufacturing, micro/nanomanufacturing, surface modification and treatment, modelling and simulations, characterization/deposition instruments, artificial intelligence, etc.

APPLICATION SECTORS



Energy



Transportation



Health



Environment



Advanced
manufacturing



ICT



Construction



Security/
defence



Among
others

PRIMA QUÉBEC HIGHLIGHTS

FOR THE 2015-2024 PERIOD

(PROJECTS COMPLETED, IN PROGRESS, PENDING OF MARCH 31, 2023)



\$83.7M

Industrial partners

\$57.4M

PRIMA Québec

\$55.3M

Other Agencies
(NSERC, MITACS)

310+

Industrial
Partners

34

Academic Institutions
(CCTT, NRC, universities)

494

Scientific
Publications

111

Intellectual Properties Generated
(patents filed, licenses granted
and invention declarations)

902

Highly Qualified Personnel
(MSc, Ph.D. and Postdocs)

QUEBEC'S ADVANCED MATERIALS ECOSYSTEM



Industry

- More than 470 companies developing advanced materials conducted internal R&D activities while collaborating with external partners;
- More than 45,000 jobs.



R&D Community

- Academic and industrial research group;
- Several provincial, national and international networks;
- Cutting-edge equipment platforms.



Financing Organizations

- MEIE, MRNF, FRQ, Investissement Québec, NSERC, NRC-IRAP, MITACS, SDTC, etc.;
- Angel investors;
- Investment funds (venture and development capital).



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PRIMA Québec, proud partner of the Government of Quebec

