|  |
| --- |
| **I - PROJECT IDENTIFICATION SHEET** |

|  |
| --- |
| Please note that the names of promoters, collaborators and participating companies, as well as the summary of the project and the amount of the grant are public data and may be used by the MEI and PRIMA Quebec for promotional purposes.  **It is mandatory for any project involving MITACS funding to contact an advisor.** |

|  |
| --- |
| If in doubt where to submit the request (PRIMA or Prompt), contact (514 284-0211 # 227, [michel.lefevre@prima.ca](mailto:michel.lefevre@prima.ca)) at PRIMA or Jinny Plourde (418 802-3337, [jplourde@promptinnov.com](mailto:jplourde@promptinnov.com)) at Prompt.  **To submit a request to Prompt, please complete the Prompt form found on their website.** |

|  |  |
| --- | --- |
| **Project title:**  **(IN FRENCH)** |  |

|  |  |  |
| --- | --- | --- |
| **Principal Investigator** | Name:  Tel.: | Establishment:  Email: |

|  |  |  |
| --- | --- | --- |
| **Names, signatures and dates** |  |  |
| Signature  Main academic | Print Name and Signature  Vice-rectorate or research office |

|  |  |  |  |
| --- | --- | --- | --- |
| **Academic partners or public research center** | | | |
| **Contact Details** | | **Establishment** | **Main Activity** |
| 1 | Name :  E-mail :  Phone : | Nom :  Type : Choisissez un élément. |  |
| 2 | Name :  E-mail :  Phone : | Nom :  Type : Choisissez un élément. |  |
| 3 | Name :  E-mail :  Phone : | Nom :  Type : Choisissez un élément. |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Business Partners** | | | |
| **Main Contact Details** | | **Main Activity** |  |
| 1 | Business:  Name of the contact:  E-mail:  Phone: | Main Activity:  Production and/or R&D in Québec:  Yes No | Business Number (NEQ):  Number of employees:  Number of R&D employees in Quebec: |
| 2 | Business:  Name of the contact:  E-mail:  Phone: | Main Activity:  Production and/or R&D in Québec:  Yes No | Business Number (NEQ):  Number of employees:  Number of R&D employees in Quebec |
| 3 | Business:  Name of the contact:  E-mail:  Phone: | Main Activity:  Production and/or R&D in Québec:  Yes No | Business Number (NEQ):  Number of employees:  Number of R&D employees in Quebec |

|  |  |  |
| --- | --- | --- |
| **Project indicators** | | |
| **Quantum thematic axes**  (several choices possible) | Quantum communications  Quantum computation | Quantum materials  Quantum metrology and detection |
| **Thematic focus for PRIMA**  (see instruction guide) | New or improved advanced materials  Formulated materials or finished or semi-finished products incorporating advanced materials (eg sensors, chips)  Processes, surface treatment, scaling | Additive manufacturing  Printable electronics  New characterization or simulation techniques  Use of artificial intelligence |
| **Application sectors**  (several possible choices) | Transportation/Infrastructure  Energy  Environment  Textile | Chemistry  Microelectronics/telecommunication  Health  Other (specify): |
| **INITIAL TRL LEVEL:**  1  2  3  4  5  6  7  8  9 | **FINAL TRL LEVEL:**  1  2  3  4  5  6  7  8  9 | **Duration of the project:**  12 Months  24 Months  36 Months |
| **Researchers:** number of researchers involved in the project, including the principal applicant | |  |
| **Employees of research centers:** number of employees of the centers involved and whose salaries are partially paid by the project (eligible expenses) | |  |
| **Employees of partner companies:** number of company employees **involved** in the project. Their contribution is, for example, recorded as a contribution in kind. | |  |
| **Students:** number of students receiving a scholarship or doing an internship. | |  |

|  |
| --- |
| **Executive summary in everyday language** (IN FRENCH) |
| * “What it is” in one sentence (clearly indicate what is developed without preambles): * “What it gives” in a sentence or two (expected results, names of companies, impact on them and Quebec): |

|  |
| --- |
| **Non-confidential summary of the project, in everyday language.** (IN FRENCH - 250 words maximum)  In a few simple and popular sentences, describe:   * + - 1. Why is this project necessary (what is the problem)?       2. What does this project want to achieve and what are the expected results?       3. What will be the spinoffs for industrial partners and for Quebec? |
|  |

|  |
| --- |
| **II – PROJECT CONTEXT** |

|  |
| --- |
| If this project is the result of previous projects, describe its history or if this project is part of a larger project, describe the major project and the importance for the latter in the project submitted to PRIMA. (**max. 1 page, you can use up to two pages to describe the results obtained during the first 3 years of a 5-year project if you submit to PRIMA for years 4 and 5).** |
|  |

|  |
| --- |
| **III - PROJECT DETAILED PRESENTATION** |

|  |
| --- |
| Describe the research project, including its environment (regulations, market trend, state of the art, etc.). Explain the possibility of carrying out this research project, specifying its anticipated objectives and results as they relate to the industrial partners’ needs. Specify the methodology and key scientific challenges to be met.  **(max. 3 pages, max 5 pages if the project requires more than $300k/year from PRIMA)** |
|  |

|  |
| --- |
| **IV – TECHNOLOGY READINESS LEVEL (TRL) JUSTIFICATION** |

|  |
| --- |
| Justify the TRL you have assigned to this project. The contemplated TRL is the one at the start of the project within a context of research in Québec. **(max. 1 page)** |
|  |

|  |
| --- |
| **V – PROJECT MANAGEMENT** |

|  |
| --- |
| 1. Present the project’s main activities in the form of a GANTT chart, **including key Go/No-Go milestones**. Also indicate the parts related to MITACS internships if applicable. **(max. 2 pages)** |
|  |

|  |
| --- |
| 1. **Specify all the academic and industrial collaborators:** describe the role of each partner in the project and how the collaboration makes it possible to cover the different skills necessary for the accomplishment of the project. Specify the level of involvement of each member of the team.[[1]](#footnote-1) |
| |  | | --- | | **Research establishment # 1:** | | **Name and title of researcher # 1:**  **Skills and contribution to the project:** |  |  | | --- | | **Industrial # 1:** | | **Name and title of researcher # 1:**  **Skills and contribution to the project:** | |
| 1. Describe how the project management, interaction, synergy and transfer to industry will take place.   **(max. 1 page)** |
|  |

|  |
| --- |
| **VI – PROJECT IMPACT AND SPINOFFS** |

|  |
| --- |
| 1. Describe the intellectual property strategy. **(max. 1 page)** |
|  |
| 1. **Benefits for the academic partner (s):** HQP training, knowledge enhancement (transfer, publications, intellectual property, etc.), technological developments (new products, processes, standards, methods, etc.), scientific expertise (acquisition, development, or consolidation), use of infrastructure. **(max. 1 page)** |
|  |
| 1. **Benefits for the industrial partner (s) and Quebec:** Technological developments, enhancement of knowledge, improvement of the company’s positioning in the value chain (improvement of productivity, increase in sales or market share, diversification of production, investments, etc.), personnel.   **Add as many tables as there are companies** |
| |  | | --- | | 1. **Company # 1:** | | **Targeted numbers of jobs created or maintained** (check all that apply) | | Full time:  Partial time:  Temporary:  Explanations: | | **Knowledge enhancement** (check all that apply)  Knowledge transfer  Patent  Improvement of know-how  Other:  Explanations: | | **Commercial potential** **and other benefits** (check all that apply)  Does this project strengthen your current market or lead you to new markets? Thanks to  New products  Product improvements  New processes  Process improvements  Other:  Specify the region of your current market or new target markets?  Québec,  North America,  South America,  Africa,  Asia,  Europe  Other:  Explanations and justifications for the commercial potential and elaborate on the business risk: | | What influence do you foresee that this project will have on the growth of your turnover in the medium term? | | **Benefits and spinoffs for Quebec** (check all that apply)  Productivity,  Environment,  Social-economic,  Other:  Explanations: | |

|  |  |
| --- | --- |
| Describe the impacts of the project for the adoption of quantum technologies in the business sector. **(max. 1 page)** | |
|  | |
| **VII – FINANCIAL ASPECT** | |

|  |
| --- |
| 1. **RESEARCH MANDATE’S ESTIMATED BUDGET**   Indicate all direct expenses eligible for the projects |

|  |
| --- |
| **In the case of a university or a CCTT collaborating with a public research centre,** it is necessary to append a copy of this table with only expenses on the university side to allow the calculation of IRCs. |

|  | Budget items highlighted below are eligible for the Indirect Research Cost. | **Year 1** | **Year 2** | **Year 3** | **Total** |
| --- | --- | --- | --- | --- | --- |
| **Salaries and fringe benefits[[2]](#footnote-2)** | | | | | |
|  | Technicians |  |  |  |  |
|  | Researcher: |  |  |  |  |
|  | Other |  |  |  |  |
| **Students grant** | | | | | |
|  | 1st, 2nd and 3rd-cycle students |  |  |  |  |
|  | Postdoctoral research interns |  |  |  |  |
| **Materials and supplies** | | | | | |
|  | Materials for tests and trials |  |  |  |  |
|  | Laboratory consumables |  |  |  |  |
| **Equipment or installations (Max 25%)** | | | | | |
|  | Rental |  |  |  |  |
|  | Equipment[[3]](#footnote-3) (max $25K each) |  |  |  |  |
| **Travel[[4]](#footnote-4)** | | | | | |
|  | Conferences or conventions |  |  |  |  |
|  | Field work |  |  |  |  |
|  | Work-related travel |  |  |  |  |
| **Other** | | | | | |
|  | Platform fees |  |  |  |  |
|  | Outside services[[5]](#footnote-5) |  |  |  |  |
|  | Prototypes |  |  |  |  |
|  | Fees for dissemination of knowledge |  |  |  |  |
|  | Intellectual property management fees |  |  |  |  |
| **Industrial contribution in kind (Max 50% of the total industrial contribution (cash + in kind) if there is more in-kind, describe it in the justification)** | | | | | |
|  | Salaries of researchers/scientists |  |  |  |  |
|  | Salaries of technicians/engineers |  |  |  |  |
|  | Equipment time |  |  |  |  |
|  | Donated materials |  |  |  |  |
|  | Others: |  |  |  |  |
| **Direct project cost** | |  |  |  |  |
| **Management fees from PRIMA Quebec (2.5%)** | | | | |  |
| **TOTAL Budget** | | | | |  |

|  |
| --- |
| 1. **RESEARCH MANDATE’S FINANCING PLAN** |

|  |
| --- |
| **For all MITACS funding, please contact an advisor** to ensure a correct budget calculation. MITACS must be separated into these components and the total of MITACS grants cannot exceed 50% of the research budget. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. **FINANCING** | | | | | | |
|  | | **Year 1** | **Year 2** | | **Year 3** | **Total** |
| Number of MITACS units | |  |  | |  |  |
| **Industrial partners (min. 40% of the research mandate)** | | | | | | |
| Companies’ contribution in cash: Including MITACS contribution if applicable | **Min (40 %)** |  |  | |  |  |
| Companies’ contribution in kind:  Max 50% of the total company contribution |  |  | |  |  |
| Companies’ management fees |  | | | |  |
| **Public financing** **(max. 60% of the research mandate)** | | | | | | |
| PRIMA Québec | **Max (20 %)** |  |  | |  |  |
| MITACS (enter only the provincial) |  |  | |  |  |
| MEI management fees |  | | | |  |
| Additional funding (specify)[[6]](#footnote-6): | |  |  | |  |  |
| MITACS (enter only the federal amount) | |  |  | |  |  |
| **TOTAL Funding** | |  |  | |  |  |
| 1. **ADDITIONAL CONTRIBUTIONS FROM INDUSTRIALS AND MEI** | | | | | | |
| *Contribution to the management fees of PRIMA Québec* ***(2.5%, max 50 000$)*** | | | | | | |
| Companies: **2 % of the amount of research mandate or max 40 000$** | | | |  | | |
| MEI: **0.5 % of the amount of research mandate or max 10 000$** | | | |  | | |
| *Additional PRIMA QUÉBEC’s contribution to indirect costs of research, if applicable* | | | | | | |
| 27% of the contribution of PRIMA Quebec to the research mandate for eligible costs. All financial partners must also contribute to ICR. | | | |  | | |
| 1. **SUMMARY OF FUNDING BY PRIMA** | | | | | | |
| Contribution to the Research Mandate | | | |  | | |
| Contribution from MEI (Management fees) | | | |  | | |
| Indirect Costs of Research (If applicable) | | | |  | | |
| **TOTAL PRIMA funding**  (Max. $1,00,000 for 3 years, Max $500k/year) | | | |  | | |

|  |
| --- |
| 1. Justify the expenses presented in the research mandate budget. **(no page limit)**  * Detail cash funding and in-kind contributions for each company * Please specify which company(ies) are funding the complementary funding(s) and if applicable the MITCAS internship(s). * In the case of expenditure on a prototype, show the ability to produce this prototype. |
|  |

|  |
| --- |
| **VIII – BIBLIOGRAPHIC REFERENCES** |

|  |
| --- |
| List of bibliographical references **(max. 2 pages)** |
|  |

|  |
| --- |
| **IX – INFORMATION ABOUT THE FORM SUBMISSION** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **For a submission to PRIMA**   * Are you having difficulties, do you have questions? Do not hesitate to contact your advisor or Michel Lefèvre [michel.lefevre@prima.ca](mailto:michel.lefevre@prima.ca), 514-284-0211 ext 227. * Email your duly signed application in single file - PDF format (Adobe Acrobat) **before 16h00**, **November 30, 2022,** to: [laura.salatian@prima.ca](mailto:sylvie.dufort@prima.ca).   **Check list:**   |  |  |  | | --- | --- | --- | |  | First page signed by the applicant AND by the establishment (Vice-rectorate or research office) | | |  | Form fully filled and maximum page number of rubrics respected | | |  | CV of the main contributors (academics and industrials) | | |  | Letters of support from all industrial partners specifying the amount in cash and in-kind expenses allocated to direct research | | |  | Have you informed the industrial partners of their contribution to the management fees of PRIMA Québec? | | |  | Have you informed the industrial partners that the data in the identification sheet and amount of the subsidy are public data? | |  | Are all project partners members of PRIMA Québec at the time of filing your application? | | |  | Funding will only be awarded upon proof that the complementary funding (NSERC, NRC-IRAP, or others) has been approved.  Once the request for additional funding has been submitted, a copy must be sent to PRIMA Québec. | | |  | MITACS/RSRI joint application form if applicable. | | |

1. Attach the CVs of the main industrial and academic stakeholders. [↑](#footnote-ref-1)
2. See the guide for eligible salaries. [↑](#footnote-ref-2)
3. Small equipment amortized for the duration of the project is authorized. [↑](#footnote-ref-3)
4. Travel expenses must be justified and accounts for a very small part of the budget. [↑](#footnote-ref-4)
5. Outside services must be justified and accounts for a very small part of the budget. [↑](#footnote-ref-5)
6. If there are several complementary fundings, specify the amount for each source (add rows if necessary). Provide proof of additional funding (copy of the application once submitted). [↑](#footnote-ref-6)