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| **I - PROJECT IDENTIFICATION SHEET** |

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| Please note that the information given in the identification sheet section as well as the amount of the grant are public data and can be used by the MEI and PRIMA Quebec for promotional purposes. **It is mandatory for any project involving MITACS funding to contact a PRIMA advisor.**The project must meet these criteria to be eligible:* 50,000 tonnes of CO2 eq. reduced or avoided in the first ten (10) years after the product, technology or innovation is commercialized;
* MEI/MELCC's contribution to the project must be less than $20 per ton of CO2 avoided.
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| **Project title:****(IN FRENCH)**  |   |
| **Principal Investigator**  | Name:Tel.: | Establishment:Email: |
| **Signatures and dates**  |  |  |
| SignatureMain academic | Print Name and SignatureVice-rectorate or research office |

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| **Academic Partners or Public Research Center[[1]](#footnote-1)** |
| **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 |

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| **Project Indicators** |
| **Thematic focus for PRIMA**(see instruction guide**)** | [ ]  New or improved advanced materials[ ]  Formulated materials or finished or semi-finished products incorporating advanced materials[ ]  Processes, surface treatment, scaling[ ]  Additive manufacturing | [ ]  Printable electronics[ ]  Characterization technique and instrument[ ]  Simulation[ ]  Quantum technologies or materials[ ]  Use of artificial intelligence[ ]  Critical and Strategic Minerals |
| **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 [ ]  | **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. |  |

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| **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)
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| **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?
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| **II – CONTEXT OF THE PROJECT** |

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| 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).** |
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| **III - PROJECT DETAILED PRESENTATION**  |

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| 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. **(maximum 3 pages)** |
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| **IV – TECHNOLOGY READINESS LEVEL (TRL) JUSTIFICATION**  |

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| Justify the starting 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. **(maximum 1 page)**  |
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| **V – PROJECT MANAGEMENT** |

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| 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. **(maximum 2 pages)**
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| 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.[[2]](#footnote-2) (add tables if necessary)
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| **Research establishment # 1:** |
| **Name and title of researcher # 1:** **Skills and contribution to the project:**  |

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| **Industrial # 1:** |
| **Name and title of researcher # 1:** **Skills and contribution to the project:**  |

 |
| 1. Describe how the project will be managed and the interaction and synergy with the industrial collaborator. **(maximum 1 page)**.
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| **VI – IMPACT AND SPINOFFS OF THE PROJECT** |

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| 1. Describe the intellectual property strategy. **(maximum 1 page)**
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| 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. **(maximum 1 page)**
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| 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** |
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| **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: |
| What influence do you foresee that this project will have on the growth of your turnover in the medium term? |

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| **Benefits and spinoffs for Quebec** |
| [ ]  Productivity, [ ]  Environment, [ ]  Social-economic, [ ]  Other : Explanations:  |

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| **VII – FINANCIAL ASPECT** |

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| 1. **RESEARCH MANDATE’S ESTIMATED BUDGET**
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| **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. |

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|  | The budget items highlighted below are eligible for the Indirect Research Cost. | **Year 1** | **Year 2** | **Year 3** | **Total** |
| **Salaries and fringe benefits[[3]](#footnote-3)** |
|   | 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[[4]](#footnote-4) (max $25K each) |  |  |  |  |
| **Travel** |
|   | 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** |
|   | Salaries of researchers/scientists |  |  |  |  |
|   | Salaries of technicians/engineers  |  |  |  |  |
|   | Equipment time |  |  |  |  |
|   | Donated materials |  |  |  |  |
|   | Others: |  |  |  |  |
|  | **Direct project cost** |  |  |  |  |
| **Management fees from PRIMA Quebec (5%)** |  |
| **TOTAL Budget** |  |
| 1. **RESEARCH MANDATE’S FINANCING PLAN**
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| **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.Detail in section C, cash and in-kind contributions of companies |

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| 1. **FINANCING**
 |
|  | **Year 1** | **Year 2** | **Year 3** | **Total**  |
| Number of MITACS units |  |  |  |  |
| **Industrial partners (min. 20% of the research mandate)** |
| Companies’ contribution in cash: Including MITACS contribution if applicable | **Min (20 %)** |  |  |  |  |
| Companies’ contribution in-kind:Max 50% of the total company contribution |  |  |  |  |
| Companies’ management fees |  |  |
| **Public financing** **(max. 80% of the research mandate)** |
| PRIMA Québec | **Max (40 %)** |  |  |  |  |
| 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* ***(5%)*** |
| Companies: **3 % of the amount of research mandate**  |  |
| MEI: **2 % of the amount of research mandate**  |  |
| *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. $1,500,000 for 3 years, Max $500k/year) |  |

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| 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.
 |
| 1. **COMPANIES CONTRIBUTIONS**
 |
| Company Name | Cash contributionexcluding Mitacs | Mitacs Contributionif applicable | In-kind contribution |
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| 1. **BUDGET JUSTIFICATIONS**
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| **VIII – BIBLIOGRAPHIC REFERENCES** |

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| List of bibliographical references **(maximum 2 pages)** |
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| **IX – INFORMATION ABOUT THE FORM SUBMISSION** |

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| * Are you having difficulties, do you have questions? Do not hesitate to contact your advisor or Laura Salatian, 514 284-0211, ext. 223.
* Email your duly signed application **in single file - PDF format** (Adobe Acrobat) **before noon, December 5, 2022,** to: laura.salatian@prima.ca.

**Check list**

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|[ ]  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 |
|[ ]  Form – Annexe INNOV-R |
|[ ]  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? |
|[ ]  Are all project partners members of PRIMA Québec at the time of filling your application? |
|[ ]  Funding will only be awarded upon proof that the complementary funding (NSERC[[7]](#footnote-7), NRC-IRAP, or others) has been approved.Once the request for additional funding has been submitted, a copy must be sent to PRIMA Québec.It is strongly recommended to send the request for additional funding before or shortly after submission to PRIMA to avoid any delay in funding following a recommendation of the project by the jury. |
|[ ]  For MITACS funding please also complete the MITCAS form, under an agreement with MITACS, the scientific evaluation of PRIMA acts as a scientific evaluation of the MITACS funding. |
|[ ]  Please note that other documents may be requested by PRIMA Québec or the MEI to validate the project component, the sources of funding (private or public), the company's ability to participate in the project, especially for Start-ups. |

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1. Add as many lines as necessary for academic and industrials partners [↑](#footnote-ref-1)
2. Attach the CVs of the main industrial and academic stakeholders. [↑](#footnote-ref-2)
3. See the guide for eligible salaries. [↑](#footnote-ref-3)
4. Small equipment amortized for the duration of the project is authorized. [↑](#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)
7. In alliance requests, please specify PRIMA as " Other funder (not involved in the research) " and specify Michel Lefèvre, michel.lefevre@prima.ca as resource person at PRIMA. [↑](#footnote-ref-7)