**Preparing a BRIDGE Quantum project description**

The project description provides the necessary details for the evaluation of your project. It allows the evaluation panel to determine whether and to what extent the evaluation criteria are met. This is an essential element in the selection process to determine the best projects for funding.

**Objectives of BRIDGE and BRIDGE Quantum**

The overall aim of BRIDGE is to make better use of the economic and/or societal potential of research findings and to facilitate research-based innovation by accelerating the uptake of research findings that may be transformed into products, services and further commercial or non-commercial solutions for the benefit of the Swiss society and economy.

The BRIDGE Quantum Call 2025 aims at promoting applied research and innovation in quantum technologies in Switzerland. The call targets experienced researchers in Switzerland who, together with partners, have the primary goal of implementing scientific achievements into practical applications. Submitted projects demonstrate the economic and/or societal impact of the innovation to be developed. Interactions between basic and applied research, as well as between academia and industry, to implement the innovation potential of scientific results are positively assessed.

This call is jointly launched by the Swiss Innovation Agency (Innosuisse) and the Swiss National Science Foundation (SNSF) as part of the BRIDGE funding programme. A total maximum budget of 20 million francs is available to fund projects and is provided in equal parts by Innosuisse and SNSF. The BRIDGE Quantum Call 2025 will be carried out as a thematic call according to the rules of the BRIDGE Discovery funding line. Unless otherwise specified in the [call document](https://www.bridge.ch/media/en/xx0jpYlkYe8t4h6n/Call-document.pdf), the Regulations on BRIDGE Discovery grants ([Discovery regulations](https://www.bridge.ch/media/en/jfEzfWt7VDjGvOEi/BRIDGE_Discovery_Regulations_2025_en.pdf)) of 10 January 2025[[1]](#footnote-2) apply.

**Evaluation criteria**

BRIDGE Quantum projects are evaluated according to the following criteria:

1. **Quality of the project**
2. *Innovative potential:* The project must present a credible vision of the potential impact of the innovation, including its potential impact for Swiss industries. Specifically, the project must demonstrate tangible technological progress and specific innovation pathways, which are relevant for at least one emerging or existing industry player within Switzerland.
3. *Scientific content:*
   * The project’s scientific objectives must be of high quality and must address relevant needs (e.g. technological, societal, environmental, economic).
   * The objectives should be related to the intended innovation and not just represent a continuation of the basic research. The proposed methods must be suitable, clearly defined and relevant to the objectives.
4. *Feasibility:* The project must be feasible and goal-oriented based on its work plan and defined milestones (including valorisation of a process where applicable) and must include a realistic budget.
5. *Implementation:* The project must contain a convincing roadmap towards (technological) innovation, including the involvement of the necessary stakeholders, and a strategy outlining the envisaged steps for implementing research outcomes into economical and/or societal value.
6. **Applicant qualifications**
7. The applicants demonstrate an appropriate level of both scientific and innovation-based competences, including the relevant skills needed to successfully complete the project (e.g. managerial and entrepreneurial skills as well as in-depth understanding of the topic).
8. In projects with more than one applicant, their competences must be complementary, and their collaboration must clearly generate added value. Moreover, the applicants must be able to show that they are capable of organising the consortium and establishing appropriate project-internal communication and decision processes. Cooperation between universities, the Swiss federal institutes of technology and research institutions on the one hand, and universities of applied sciences (UAS) and universities of teacher education (UTE) on the other, is considered a positive asset in the evaluation process.
9. **Additional criteria** (used for prioritisation in the case that two or more projects are evaluated equally)
10. Proposals that strengthen cooperation and networking between relevant players of applied quantum research and innovation, especially between industry and academia, will be given priority.
11. Proposals that contribute to a sustainable economic, societal or environmental impact will be given priority.
12. Proposals that increase diversity will be given priority in order to mitigate imbalances in the success rate for categories such as proposals by female applicants, variety of institutions, variety of disciplines, variety of institutions from various language regions, etc.

**Project description**

The project description must consist of original content written and prepared by yourself. A limited amount of text (or other features such as graphs, etc.) taken from your own publications or existing documents is acceptable. Any text or illustrations from other sources must be clearly designated as such and a verifiable source must be indicated nearby and in the bibliography.**[[2]](#footnote-3)**

The project description must be written in English. It must comprise three sections – an introduction; an outline of the project's innovative potential and impact; and a project plan (2, 3 and 4). These three sections are preceded by a summary (1). Please use the chapter headings listed below. Provide as many details as necessary for the evaluation of your project in line with the relevant criteria.

The entire project description is limited to 20 pages. This excludes the bibliography and the one-page summary.

The project description can be exceeded by one page (meaning a maximum of 21 pages) if the following applies:

* If project partners and/or implementation partners are involved, their contribution must be documented in the project plan.
* If infrastructure is purchased for ≥ CHF 50,000, justification and guarantee are required as to how the host institution of the applicant will ensure the operation and maintenance of the acquired infrastructure.

A minimum of point 10 font size and 1.5 line spacing must be used.

Please ensure that all relevant information about your proposed project is included in the project description. There is the possibility to upload certain additional documents on the [BRIDGE web platform](https://bridge.mysnf.ch/), but these are typically limited to quotes, CVs of project partners, or Letters of Intent from implementation partners.

The following information must be provided in four main chapters:

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| **1** | **Summary** | The summary (max. 1 page) should describe the aims of the project, how they will be achieved and what the expected outcome of the project will be. |
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| **2** | **Introduction** |  |
| 2.1 | Current state of research in the field & maturity of project | * Describe how your project relates to the current state of research in your field. Make reference to the most important publications, particularly by other authors. * Define the current stage of maturity for your project according to our [guidelines](https://www.bridge.ch/media/en/OX7W3lziozqRZOi3/Checklist-for-submission.pdf). |
| 2.2 | Own achievements in the field | * Present your achievements in the relevant field; describe the results obtained so far as well as the relevance of these preliminary undertakings for your project. Make reference to your most important publications, patents, and/or other achievements in the field. |
|  |  |  |
| **3** | **Innovative potential and impact** |  |
| 3.1  3.2  3.3  3.4 | Innovative potential  Impact on economy, society  Sustainability  IP situation | Describe the unique selling proposition(s) (USP) of your solution to explain what the novelty is and how it differs from other similar solutions. Support your statements with facts and figures to ensure that your description is credible.   * Present a credible vision of your intended innovation and put it in the context of already existing solutions. * Elaborate on the expected potential impact of your planned innovation on the market or society. How can your innovation offer the economy a competitive advantage and/or benefit society? Who are the beneficiaries of your innovation? If you are successful, what difference will it make? * Demonstrate how your project is relevant for at least one emerging or existing industry player within Switzerland.   Explain how the project contributes to a sustainable development. Follow our [guidelines](https://www.bridge.ch/media/en/OX7W3lziozqRZOi3/Checklist-for-submission.pdf).  Present an overview of the current situation concerning intellectual property (e.g., existing patents, copyrights, competitors).**[[3]](#footnote-4)** |
|  |  |  |
| **4** | **Project plan** |  |
| 4.1 | Scientific aims & challenges | Describe the intended research goals and the corresponding challenges. Elaborate on the expected generation of knowledge and scientific impacts of your project.   * What are you trying to achieve? Clearly formulate your objectives, avoiding too much jargon. * How is this done today and what are the limits of current practice? |
| 4.2 | Methods & practical approach | Present your methods and the practical approach you adopt in order to reach your objectives and to tackle the challenges. |
| 4.3 | Validation steps & expected results | For each line of research:   * Describe the validation steps: how do you validate the applicability of your approach to achieve the planned innovation? * Describe the expected results and how they will be measured. If applicable, you may define yes/no criteria to assess the feasibility of your innovation at each key step. |
| 4.4 | Innovation roadmap & implementation strategy | * Present a roadmap that enables or facilitates the implementation of your planned scientific achievements into practical applications. Indicate the progress you expect in terms of maturity for your project according to our [guidelines](https://www.bridge.ch/media/en/OX7W3lziozqRZOi3/Checklist-for-submission.pdf). * Describe how you plan to bring your idea to market or to relevant partners who will implement your results in an application, a service, a method, or a process. * Discuss how you can reach end-users and how you could ensure that your solution is adopted. * Describe your implementation strategy with respect to unique selling proposition (USP), (societal) value creation, existing market, market access, competitive environment, IP situation, regulatory situation, scalability, etc. * Include the main challenges you expect to face with regard to implementation strategy and partners, as well as how you intend to tackle them, in chapter 4.7.   *If you are planning to found a start-up company or a non-profit organisation, indicate how advanced your plans are in this respect.* |
| 4.5 | Milestones | Present a detailed project plan including milestones, work packages and deliverables. One of the work packages should concern implementation, e.g., by comprising either a business case or a clear plan for value creation and for reaching end-users.  Present your milestones and work packages in a structured way, e.g., with a Gantt chart or a table.  The presented measures must be feasible and realistic within the timeframe of the funding period. |
| 4.6  *4.6.1*  *4.6.2*  *4.6.3*  *4.6.4* | Management of the project  *Responsibilities & relevant skills*  *Benefit of the consortium (if applicable)*  *Contribution of partners (if applicable)*  *Justification of budget* | Present how the project and the involved team will be managed.  Outline the project setup including the team involved. Explain how you cover the relevant skills needed to successfully complete the project (e.g., managerial and entrepreneurial skills, in-depth understanding of all aspects of the research topic as well as its application).  If the project is being carried out by a consortium: describe how the collaboration between the different applicants will benefit the project and explain how the project is organised. Highlight the complementarity in the competencies required to achieve the project goals.  If project partners and/or implementation partners are involved, explain how the collaboration with them will benefit the project and document their contributions in the project plan (see also chapter 4.5).  Include a justification of the requested budget.  If infrastructure is purchased for ≥ CHF 50,000, outline how the host institution guarantees the operation and maintenance of the acquired infrastructure. |
| 4.7 | Risk mitigation plan | Describe the scientific, managerial, innovation-related and operational risks you expect during the project in terms of research, implementation strategy and partners. Describe how you plan to mitigate these risks. |
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| **5** | **Bibliography** | List the different sources of information which explain, validate, and/or substantiate your text, in particular concerning the scientific background. References in the bibliography must show up with full title and list of authors (**do not use “*et al.*”**) and should be publicly available. |



**Quantum Call 2025**

Project description

Applicants’ names

**Title of the proposal**

1. Summary
2. Introduction
   1. Current state of research in the field & project maturity
   2. Own achievements in the field
3. Innovative potential and impact
   1. Innovative potential
   2. Impact on economy, society
   3. Sustainability
   4. IP situation
4. Project plan
   1. Scientific aims & challenges
   2. Methods & practical approach
   3. Validation steps & expected results
   4. Innovation roadmap & implementation strategy
   5. Milestones (MS)

| MS no. | Milestone title / short description | Deadline (month no.) | Related work packages (no. and title) and deliverables | Applicant(s) involvement | Partner(s) involvement |
| --- | --- | --- | --- | --- | --- |
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* 1. Management of the project
     1. *Responsibilities & relevant skills*
     2. *Benefit of the consortium (if applicable)*
     3. *Contribution of partners (if applicable)*
     4. *Justification of budget*
  2. Risk mitigation plan

1. Bibliography

1. Version of: 23 May 2025 [↑](#footnote-ref-2)
2. [SNSF Regulations on scientific misconduct (Research Integrity Regulations) of 12 July 2016](https://www.snf.ch/sitecollectiondocuments/ueb_org_fehlverh_gesuchstellende_e.pdf) [↑](#footnote-ref-3)
3. The IP situation can affect both what the project team can patent and your Freedom to Operate (FTO). You find more information [here](https://www.bridge.ch/en/st0yvwwiEdEqugoc/page/support/intellectual-property). [↑](#footnote-ref-4)