BRIDGE

Quantum Call 2025

Swiss National Science Foundation

⟨S|Q|I⟩ Swiss Quantum Initiative

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
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Swiss Confederation

Innosuisse – Swiss Innovation Agency

Webinar agenda and instructions

10:00 Welcome
10:05 Information on BRIDGE Quantum Call 2025

- Context: Swiss Quantum Initiative & BRIDGE programme
- Quantum Call 2025
- Submitting your application

10:25 Q&A
11:00 End of webinar

Note
The webinar will be recorded and made available for replay.

Swiss Quantum Initiative & BRIDGE

Swiss Quantum Initiative SQI

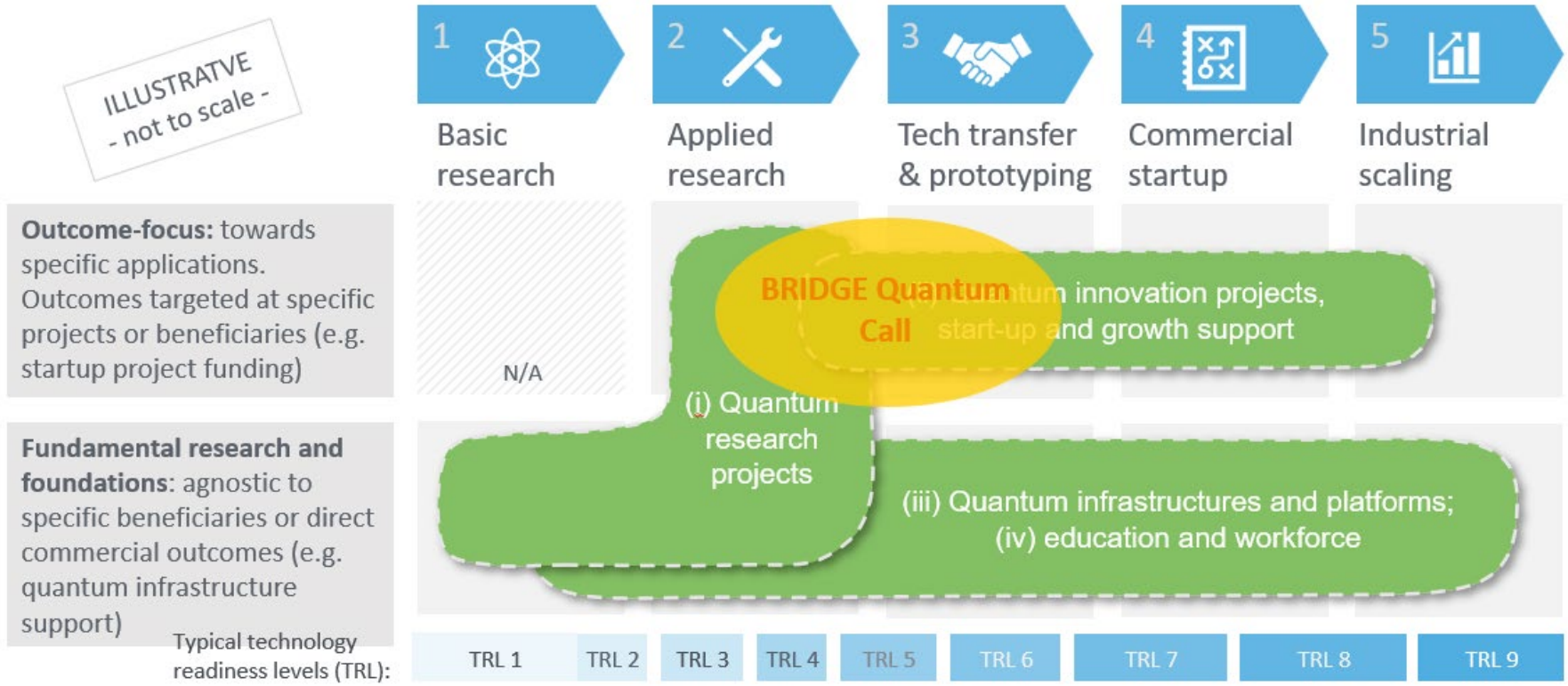
The Swiss Quantum Initiative aims to further strengthen Switzerland's leading position in the field of quantum technology, from basic research to application.

SQI: More than a scientific initiative – simplified* view on the "Quantum Value Chain"

* Illustrative. Not strictly linear.

⟨S|Q|I⟩ Swiss Quantum Initiative

Positioning of the BRIDGE Quantum call



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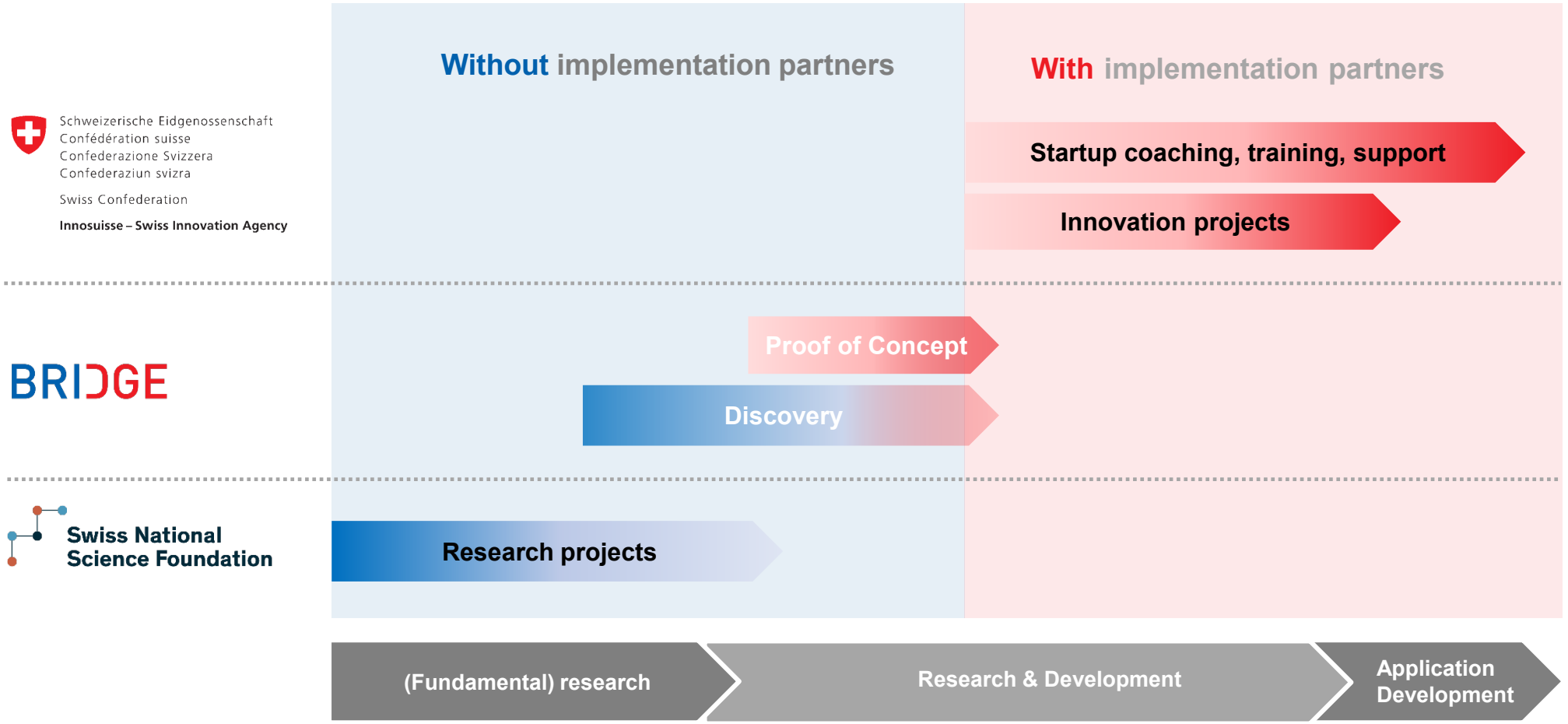
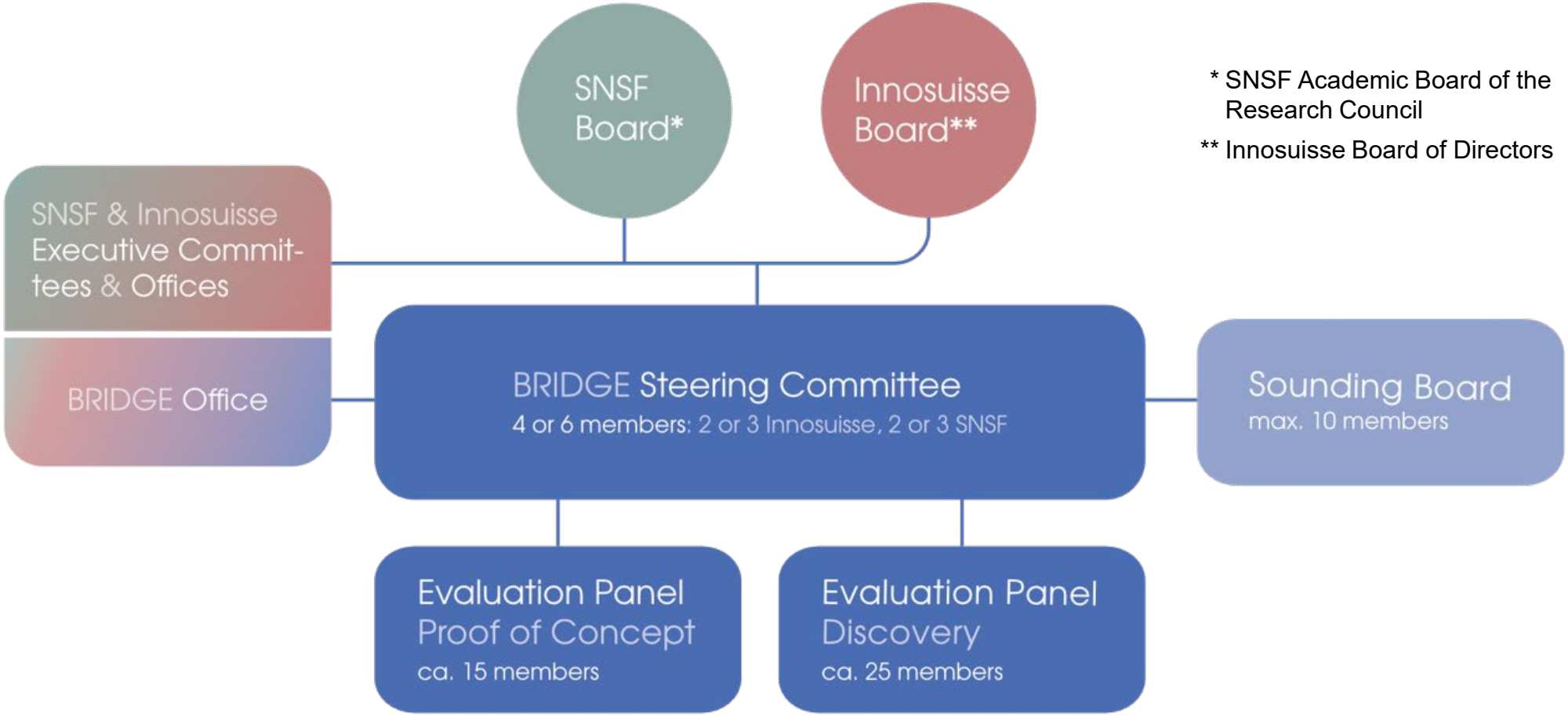
Swiss Quantum Initiative

Position in the funding portfolio



BRIDGE governance



* SNSF Academic Board of the Research Council

** Innosuisse Board of Directors

BRIDGE Quantum Call 2025

Purpose and scope of the call

- The **purpose** of the call is to support qualified researchers who carry out application-oriented work on the following **topics**:
  - Quantum communication
  - Quantum computation
  - Quantum simulation
  - Quantum sensing and quantum metrology
- Furthermore, applications in the following **fields** are welcome if they are key to the emerging applications or engineering technologies within one of the above topics: Materials for quantum devices, quantum control hardware, quantum theory, computer sciences, quantum ethics.

Who can apply?

Overview

- Experienced researchers at a Swiss research institution (applicants outside of Switzerland possible if consortium of 3-5)
- Individual applicants or consortia of up to 5 applicants
  → Each member of a consortium must meet the eligibility requirements.
- Applicants with the relevant skills to independently lead a research project with a clear application-orientation.
- Applicants who have the necessary research infrastructure at their disposal, or who have a clear plan to access it.

Detailed requirements

- Please consult the regulations and the call document.
- If in doubt, please contact the BRIDGE office: quantum@bridge.ch

What kind of projects?

Requirements for the project

- Integration of excellent science and high-impact innovation:
  - Your project is based on research results and
  - aims to develop innovative applications in the field of quantum technologies.
- Specifically, your project must demonstrate tangible technological progress and specific innovation pathways, which are relevant for Swiss industry.

Involvement of partners

- Project partners
- Implementation partners

What support does BRIDGE offer? 1/2

Duration

Up to 4 years

Maximum amount

- Project budget: max. 850,000 CHF per applicant for 4 years

  → For projects <4 years, the maximum amount is reduced proportionally.
- For consortia with 4-5 applicants, the maximum amount remains the same as for 3 applicants, namely CHF 2,55 million for 4 years.

Eligible costs

- Salary costs of project staff, excluding the salary of the applicants (special conditions may apply for UAS and CSEM researchers)
- Material costs directly related to the project

What support does BRIDGE offer? 2/2

Eligible costs

- Costs for (quantum) infrastructure can incur through:
  - purchase of infrastructure
  - use of infrastructure
  - infrastructure-related services
- Such infrastructure-related costs can be covered up to a **maximum of 40%** of the overall project budget.
- Whether the costs submitted for the project are justified and appropriate is part of the evaluation.
- If infrastructure is purchased for ≥ CHF 50,000, the host institution of the applicant must guarantee the operation and maintenance of the acquired infrastructure.

Evaluation criteria

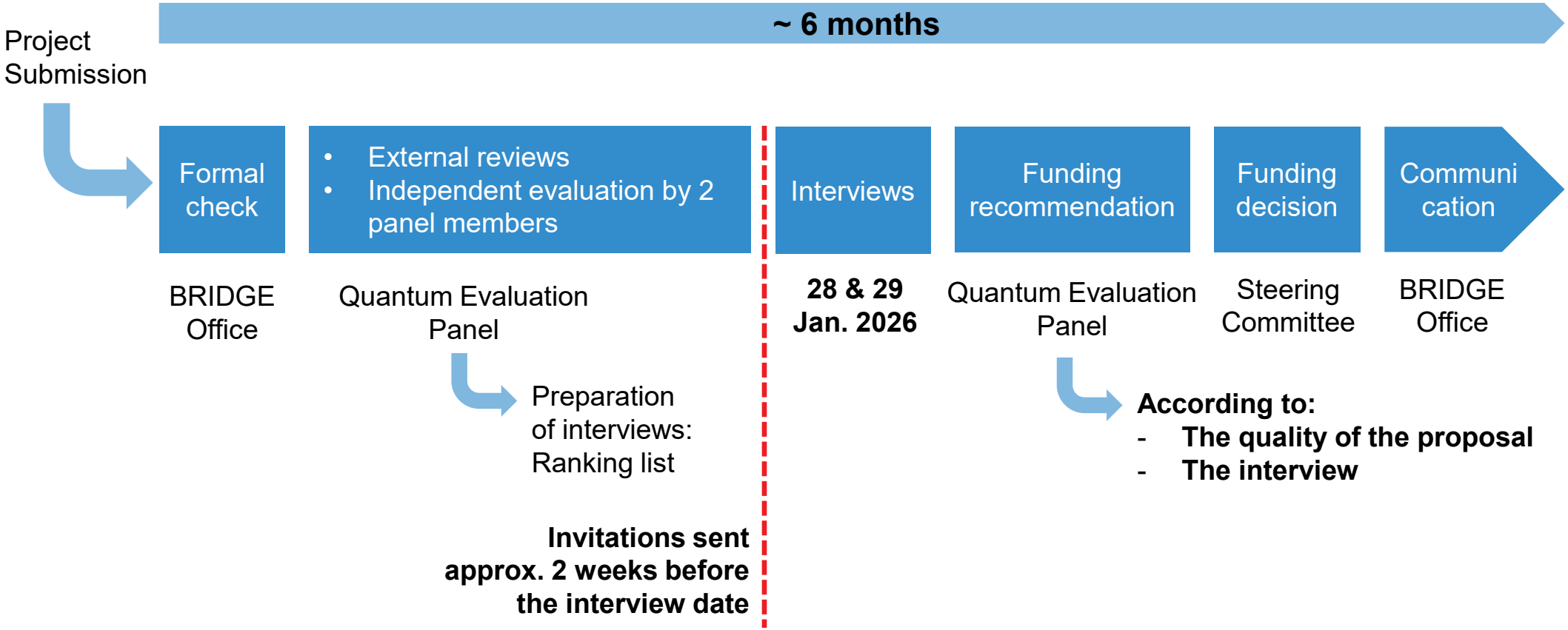
Quality of the project

- **Innovative potential:** The project must present a credible vision of the potential impact of the innovation, including its potential **impact for Swiss industries**.
- **Scientific content:** High scientific quality going beyond state of the art and addressing relevant needs.
- **Feasibility:** The project must be feasible and goal-oriented and must include a realistic budget.
- **Implementation:** The project must contain a convincing strategy and roadmap towards implementation, including the involvement of the necessary stakeholders.

Applicant(s) qualifications

- Scientific and innovation-oriented, entrepreneurial as well as management competences of the applicants
- Consortia: Applicants with complementary competencies and the necessary skills to organize a consortium that clearly generates added value.

Evaluation process



Quantum Evaluation panel

A mix of Quantum experts from industry, research centers and universities

Co-Chairs

- **Emine Cagin** - Heidelberg Instruments Nano AG
- **Bernd Gotsmann** - IBM Research Zurich

Members

- **Guido Burkhard** - Universität Konstanz
- **Eleni Diamanti** - CNRS, Sorbonne Université
- **David DiVincenzo** - Forschungszentrum Jülich
- **Jacques Haesler** - CSEM
- **Lorenz Herrmann** - EMPA
- **Mika Prunnila** - SemiQon
- **Grégoire Ribordy** - ID Quantique
- **Kelly Richdale** - WEF

Final Decisions will be taken by the BRIDGE Steering Committee

Submitting a BRIDGE Quantum Application

Overview relevant documents

Principle

- Unless otherwise specified in the call document, the regulations on BRIDGE Discovery grants of 10 January 2025 apply.
  - Regulations
  - Call document

Templates

- Project description template (Word or LaTeX)
- These can be downloaded from our website: www.bridge.ch/en/quantum

Checklist for submission

- Guidance and relevant information for your submission

BRIDGE Quantum Application

… please first:

- Read the relevant documents carefully.
- Check the evaluation criteria and general conditions that your project must fulfil.
- If you have questions, ask the BRIDGE Office to clarify.

Tips

- The inclusion of key partners for the implementation and practical application, especially of industry partners, is a positive asset.
- Cooperation between universities, federal institutes of technology, research institutions, universities of applied sciences (UAS) and universities of teacher education (UTE) is also viewed favorably in the evaluation process.

Submitting a BRIDGE Quantum Application 1/2

- You submit your project application via the mysnf.ch platform.
- Please use the forms and templates provided for this purpose.
- **Submission deadline: Tuesday, 16 September 2025,** 5 pm local Swiss time

Tips

- Use the checklist for guidance.
- Please ensure that the requested budget includes only the eligible costs set out in the regulations and in the call document.
- For cost items ≥ CHF 50,000, appropriate evidence must be attached (e.g. current offer/quote, cost calculation backed up by estimates or current price lists).

Submitting a BRIDGE Quantum Application 2/2

Dos

- Provide solution to a problem (start from the end, start from a need)
- Follow the structure of the template (do not leave blank)
- Know and follow the evaluation criteria (self-evaluation)
- Start early (necessary documents and signatures, proofreading)

Don’ts

- Focus only on the scientific part
- Neglect “impact” and “implementation”

BRIDGE Office Team

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Swiss National
Science Foundation

BRIDGE

Schweizerische Eidgenossenschaft
Confédération suisse
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Confederaziun svizra

Swiss Confederation

Innosuisse – Swiss Innovation Agency

Additional support

Assisted patent searches

- Patent searches at IPI are eligible as costs in your Discovery project.

Support for women

- BRIDGE supports career development and network building for the next generation of female researchers through the SNSF's Gender Equality Grants

Support for PhDs and postdocs working on the project

- BRIDGE provides SNSF's Flexibility Grants to help researchers better balance their childcare responsibilities with their scientific work and academic careers