

## Supplementary Information on Submitting Applications for Quantum Austria

### 1. Eligible projects

Funding may be requested for projects that are clearly defined in terms of objectives and methods with specific limits in terms of duration and budget in accordance with the requirements of the FWF programmes Stand-Alone Projects, 1000 Ideas Programme, ESPRIT, or Erwin Schrödinger Fellowships including a return phase. Applications must focus thematically on the field of quantum research and quantum technology. Possible research questions may include, for instance, the following topics:

- Specific preparation and control of quantum states;
- New algorithms and mathematical theoretical concepts that make use of the superposition and entanglement of quantum states;
- Developments and applications in quantum communication; Quantum sensor technology, quantum metrology, quantum simulation, quantum computing, and quantum information;
- Development of ideas based on quantum phenomena in the neighbouring fields of physics, mathematics, chemistry, and in biological systems.

### 2. How to submit an application

Applications under the Quantum Austria Initiative can be submitted according to the guidelines and using the forms of the programmes below.

The FWF attaches great importance to promoting women and young researchers and therefore encourages them to submit applications under the relevant funding instruments.

*“Ad personam” project funding:*

- [Stand-Alone Projects](#) (P)
- [Erwin Schrödinger Fellowships including a return phase](#) (J)

*PROFI project funding:*

- [1000 Ideas Programme](#) (TAI)
- [ESPRIT](#)

Applications may only be submitted via the FWF’s electronic application portal ([elane](#)). Please note that P and J are submitted “ad personam” and TAI and ESPRIT via PROFİ and must thus be selected under different positions when submitting an application via elane. When creating an application, applicants must first select the appropriate funding category (P, TAI, ESPRIT, or J) and then select **Initiative Quantum Austria** from the **drop-down menu**.

Please note the respective submission deadline under the 1000 Ideas Programme. When submitting a stand-alone project or applying under the ESPRIT or Schrödinger Programmes, there are no submission deadlines, although limiting the duration of the Quantum Austria

Initiative to the period from 2022 to 2026 entails a number of special features which have to be considered at the time of submitting a project (see 5. [Special features of the programme](#)).

At the end of the online application process for stand-alone projects and Schrödinger fellowships, a cover sheet is generated which must be sent to the FWF with the relevant signatures and stamps by postal mail or with a qualified electronic signature (for example, Handysignatur (mobile phone signature)) by email.

**Please note:** In addition to the application documents required for submission under the selected programme, applicants must also upload an additional **1-page annex** explaining the project's expected contribution to the field of quantum research and quantum technology as PDF file. On the basis of this annex, the FWF will decide whether the project submitted actually meets the thematic requirements of the Quantum Austria Initiative. The structure of the annex must be identical to the [template](#), it may not exceed one page and must be uploaded in PDF format in elane as a General Attachment.

**In the case of TAI:** If the application does not meet the thematic requirements of the initiative, it will be processed and decided upon as a regular project within the TAI programme category.

**In the case of P, ESPRIT, and J:** If the application does not meet the thematic requirements of the initiative, it will **not** be processed and decided upon as a regular project within the respective programme category due to the specific requirements that apply for Quantum Austria (see 3. [Eligible costs](#)). The project must be resubmitted in accordance with the applicable programme guidelines.

### 3. Eligible costs

When submitting a stand-alone project or an application in the TAI and ESPRIT programmes, funding can be requested for project-specific costs (personnel and non-personnel costs), depending on the project, in line with the applicable guidelines of the respective programme. In the case of stand-alone projects, the maximum amount of funding that can be requested is EUR 1 million per project; in the case of applications under TAI, ESPRIT, and Schrödinger, it depends on the amount specified in the current programme guidelines. Please note that when submitting a stand-alone project, the number of reviews required depends on the amount of funding requested. For the approval of applications

- Up to EUR 400,000, two reviews are needed,
- Up to EUR 600,000, three reviews are needed, and
- From EUR 600,000 to EUR 1 million, four reviews are needed.

In the case of ESPRIT, additional funding for non-personnel costs of up to EUR 50,000 per year can be requested. In the case of Schrödinger projects, EUR 20,000 per year is available during the return phase.

### 4. Decision-making procedure

Based on the recommendation of the FWF Board, the decision on the awarding of funding is made within four weeks of the FWF Board's respective decision-making meeting. Under the Development and Resilience Plan (2022–2026), **a separate budget of approx. EUR 29**

**million** is available for basic research projects funded through the FWF as part of the Quantum Austria Initiative.

## **5. Special features of the programme**

A special feature of the funding available through the Development and Resilience Plan is its limited duration from 2022-2026. This leads to specific requirements in terms of submitting applications and carrying out projects. The FWF recommends submitting an application as early as possible, ideally in 2022. The projects of the Quantum Austria Initiative funded through the FWF must be finished by 31 March 2026. The statement of accounts and the reports must be finished no later than one month after the end of the project. Expenditures as well as cost-neutral extensions that go beyond the above-mentioned period of funding are excluded. The FWF's [limit on the number of funded projects](#) in other programmes does not apply to applications under the Quantum Austria Initiative.