## **Application for a** **Innovation Project4th call, submission deadline October 15, 2025**

# Project Title

Klicken oder tippen Sie hier, um Text einzugeben.

# Innovation Area

Choose at least one innovation area that describes the proposed project.

Area 1: Sensing technology to control quantum systems [ ]

Area 2: Quantum technology for advanced quantum imaging methods [ ]

Area 3: Information processing for quantum technology [ ]

Area 4: Photonic systems for quantum control and information processing [ ]

# Applicants

Name (at least) three eligible applicants from the three locations, Jena – Stuttgart – Ulm

## ACP Jena

|  |  |
| --- | --- |
| Full name with title |  |
| Institute |  |
| Phone |  |
| Email |  |
| Link website or CV |  |
| Link publication list |  |

## IQST Stuttgart

|  |  |
| --- | --- |
| Full name with title |  |
| Institute |  |
| Phone |  |
| Email |  |
| Link website or CV |  |
| Link publication list |  |

## IQST Ulm

|  |  |
| --- | --- |
| Full name with title |  |
| Institute |  |
| Phone |  |
| Email |  |
| Link website or CV |  |
| Link publication list |  |

## …add more applicants, if applicable.

# Research proposal

~max 6 pages text and figures (without the references) including the following sections:

## Summary of the proposed research project

(~ ½ page)

## Mid-term milestone and final research goal

(~ ½ page)

Define at least one measurable, mid-term milestone and the final research goal of the project.

## State of the art

(~ ½ page text)

## Own preliminary work (e.g. related previous QPhoton Innovation Project)

(~ ½…1 page text)

## Research objectives and work program in cooperation between Jena, Stuttgart, and Ulm

(~ 2 pages)

Please describe how the work of each location will contribute to the overall goal of the proposed project. Please address the synergies and the added value enabled by the cross-location nature of the project.

## Expected impact of the project

(~ ½ page)

Please address direct and short-term enhancement of the involved scientists' competitiveness with regard to large national and international funding schemes.

## Justification of selection as a QPhoton Innovation Project

(~ ½ page)

Please address the level of innovation and/or risk of the proposal including a statement on the advantage of being funded by QPhoton rather than another extramural funding scheme.

## References

Most relevant external publications with regard to the proposed project (max. 10)

[1]

[2]

…

Most relevant own publications with regard to the proposed project (max. 5 per location)

Please list own relevant publications from either location (with doi or arxiv link).

**Jena**

[J1]

[J2]

…

**Stuttgart**

[S1]

[S2]

…

**Ulm**

[U1]

[U2]

…

# Project timeline

# Please indicate the preferred starting date and the duration (max. 24 months) of the project. The ending date, however, is bound to the end of the funding period of the CZS QPhoton, which is December 31, 2027. Note that the project should ideally be run synchronously at all three locations.

# Funding and staff

Each QPhoton Innovation project can have a funding size of up to 180,000 EUR at any of the three involved institutions (in sum 540,000 EUR, or more if well justified). For further details and conditions concerning the funding, please review the information given in the call.

## Use of funding at ACP Jena

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Year 1 [EUR]** | **Year 2 [EUR]** | **Sum [EUR]** |
| Staff costs |  |  |  |
| Consumables & travel costs |  |  |  |
| **Total** |  |  |  |

### Job description of staff

Summarize the role within the project and the cooperation with the partners for each staff member.

### Justification of (minor) investments into research infrastructure

Only if applicable, see call details.

### Short statement concerning co-funding by the applicants' own resources

Only if applicable, see call details.

## Use of funding at IQST Stuttgart

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Year 1 [EUR]** | **Year 2 [EUR]** | **Sum [EUR]** |
| Staff costs |  |  |  |
| Consumables & travel costs |  |  |  |
| **Total** |  |  |  |

### Job description of staff

## Summarize the role within the project and the cooperation with the partners for each staff member.

### Justification of (minor) investments into research infrastructure

Only if applicable, see call details.

### Short statement concerning co-funding by the applicants' own resources

Only if applicable, see call details.

## Use of funding at IQST Ulm

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Year 1 [EUR]** | **Year 2 [EUR]** | **Sum [EUR]** |
| Staff costs |  |  |  |
| Consumables & travel costs |  |  |  |
| **Total** |  |  |  |

### Job description of staff

Summarize the role within the project and the cooperation with the partners for each staff member.

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Only if applicable, see call details.