

**ANNOUNCEMENT
CALL FOR PROPOSALS**

“Photonics as an key enabling technology for biomedical, agro-food, environment, consumer goods and industrial applications”

BERLIN (Germany) – SANTA CATARINA (Brazil)

(1st Call)

1. Funding purpose

The Senate Department for Economics, Energy and Public Enterprises, Berlin (SenWEB) and the Foundation for Support of Research and Innovation, Santa Catarina (FAPESC) aim to pursue their support for bilateral research, development and innovation (R&D&I) projects in the field of optics and photonics.

The funding will be focused on topics falling into the scope of this call area, that are of major interest to the participating sides.

2. Type of funding and legal basis

Project partners will be funded by the funding institutions of the respective partner regions (Berlin and Santa Catarina). The projects will be supported with grants of the regional budget in accordance with the respective regional funding regulations. The final selection shall be based upon the mutual decision by the funding institutions. The applicable awarding institution will base its decision on the regional evaluation procedure of proposals and within the scope of the available budget.

3. Object of funding

The main focus of the funding is on R&D&I projects that:

- make a contribution to the improvement of collaboration between the partner regions in the field of optics and photonics;
- correspond to the funding purpose described;

- create added value to national/regional R&D activities in the field of optics and photonics by planned transnational cooperation.

4. Priority topic of common interest

Potential R&D&I projects shall originate from the following subject area:

“Photonics as an key enabling technology for biomedical, agro-food, environment, consumer goods and industrial applications “

The projects should focus on topics of specific interest for both regions. The aim of the cooperation is to contribute to the progress of photonics-based technologies.

The duration of the projects cannot exceed 36 months.

5. Legal status of applicants

Proposals may be submitted by public and/or private entities that are eligible to participate in the call according to the respective funding regulations of the funding institutions. These can be public research institutions, private research institutions, higher education institutions, SMEs and/or industries.

6. Composition of consortia

Participation is open to applicants from the funding regions (Berlin and Santa Catarina). Precondition for eligibility is involvement of German and Brazilian entities according to the format specified below. The level of contribution to the overall project costs should not be less than 25% for each region.

Possible composition of consortia:

- The Brazilian part of the consortium shall comprise at least one SME or/and non-SME cooperating with at least one research entity. All of them based in Santa Catarina.
- Brazilian proponents with less than R\$ 360.000,00 of revenues can reach 66,66% of subvention from Fapesc
- Brazilian proponents from R\$ 360.000,00 to 3.600.000,00 of revenues can reach 50% of subvention from Fapesc
- Proponents from R\$ 3.600.000,00 to 300.000.000,00 of revenues can reach 33,33% of subvention from Fapesc
- Brazilian proponents over 300.000.00,00 are eligible, but without subvention of Fapesc
- All Brazilian proponents are allowed to use resources of Embrapii, Senai and other agency's to finance the project / counterpart

As published at the Santa Catarina Call, the total volume of the subvention resources of the Brazilian side will be around R\$ 6 million (1,5 M Euros with exchange rate 1,00 Euro=R\$ 4,00) depending on the size of the projects and the size of the companies will be approved. Up to R\$ 3 million of these will be provided by FAPESC. The other R\$ 3 million or even more

will be match by subventions of the four units EMBRAPII in Santa Catarina as well as the SENAI fund that have common agreements with FAPESC for this call.

The companies invest own resources and take the advantage of the incentives supported by the "Informatic Law". In addition, there is also the possibility to have the partnership with the Brazilian agency for SME's (SEBRAE).

The companies can also have loans from Investment banks like BADESC and BRDE with quite low interest rates and long term for payback, similar of IBB.

- The German part of the consortium shall comprise at least one SME based in Berlin. The participation of a research entity, based in Berlin, in the German part of a consortium is not essential but desirable. A non-SME can also participate in the German part of the consortium, if at least one SME and/or a research entity, both based in Berlin, will participate in the German part of the consortium.

A simple clustering of only national projects is not sufficient.

The funding institutions expect that the Brazilian-German cooperation in the fields of R&D&I, covered by the scope of this cooperative funding, will deliver significant synergy effects within the framework of the R&D&I projects to be funded. Proposals must therefore make clear why they should be developed cooperatively between the participating regions and what the added value will be created through this collaboration. Projects that do not indicate why this cooperation is necessary cannot be considered.

7. Application procedure

There is a one-level procedure for submission of proposals. Each proposal shall comprise a project description and further formal and financial information according to the required form in the national language. In addition, each proposal must contain a joint project description (English part) - identical text in both countries.

The joint project description should be prepared in Arial 11, single-spaced, maximum 15 pages and shall consist of the following:

1. Name of the institution submitting the application, the coordinator and names of all participating institutions.
2. Short description of the Brazilian and German partner institutions who are involved in the project (key competencies, infrastructure, projects implemented so far etc.).
3. Objectives and task definition, based on the state of the art in terms of technology and knowledge. Short description of a topic which shall be developed, description of the beneficiary and user of the project results.
4. Short description of how the content relates to the theme of photonic research and especially the topics of this call; central focus of the work and relation to the cluster strategy.
5. Description of the expected outcomes, quantification of the economical effects of the proposal, patents, foreseen commercialization of the project results.

6. Task schedule and milestones.
7. Estimation and overview of time and cost scope (funding required and own resources).
8. Added value of bilateral cooperation.

For formal and financial national regulations, please see the guidelines:

- for Brazilian applicants from Santa Catarina:

<http://www.fapesc.sc.gov.br/category/chamadas-abertas/>

- for German applicants from Berlin:

<http://www.ibb.de/wachsen/Pro-FIT.aspx>

The timeline for the call:

Application procedure	Launch of the call / invitation for proposals	June 12th 2018	
	Deadline for submitting of proposals	September 20th 2018	All applicants
	Deadline for the complete technical and economical evaluation of proposals at Brazilian side	November 11th 2018	Fapesc
	Deadline for publication of final results at Brazilian side (funding is dependent on the decision taken by the ProFIT funding committee on March 27th 2019)	December 14th 2018	Fapesc
	Deadline for technical evaluation of proposals at Berlin side	December 20th 2018	IBB
	Bilateral information about the final results at Brazilian side and the results of the technical evaluation of proposals at Berlin side	January 2019	Funding institutions & Berlin Senate
	Submission of business information (e.g. balance of accounts for the last three years, income statement)	January 2019	German applicants
	Deadline for submitting of business information	January 15th 2019	German applicants
	Deadline for regional funding decisions	March 27th 2019	Funding institutions
Project	Earliest start of projects	April 2019	Beneficiaries

Potential applicants are advised to contact the national contact points before writing proposals to carefully check the specific national application and funding conditions.

The respective contact points are:

- in Berlin

For questions in the context of the photonic cluster:

Berlin Partner für Wirtschaft und Technologie GmbH
Fasanenstraße 85
10623 Berlin

Mr. Gerrit Rössler
Clustermanager Optik
Tel. +49 (0) 30 46302 - 456
Email: Gerrit.Roessler@berlin-partner.de

- in Berlin:

For questions about the funding:

Investitionsbank Berlin
Kundenberatung Wirtschaftsförderung
Bundesallee 210
10719 Berlin

Mr. Konstantin Hanssen
Key Account Manager Energietechnik/Optik
Tel.: +49 (0) 30 2125 - 4625
Email: Konstantin.Hanssen@ibb.de

- in Santa Catarina:

For questions about the funding:

Prof. César Zucco
Technical Director of Fapesc
Tel +55 48 3665 4800
CELTA/FAPESC, Parque Tecnológico Alfa - Rod. José Carlos Daux - João Paulo,
Florianópolis
SC, 88030-902, Brazil
Email: czucco@fapesc.sc.gov.br

8. Evaluation of project proposals

Evaluation procedure

The proposals will be evaluated according to the national/regional regulations of the funding institutions. The final decisions on what projects to support will be made by the funding

institutions based on evaluations from the external experts, national/regional priorities and funding criteria.

Selection/Evaluation criteria

- Coherence with the call topic (relevance in relation to the objectives and areas of the call)
- Scientific and/or technical excellence (innovativeness of idea + appropriateness of approach)
- Quality and efficiency of the implementation and management (competence and expertise of applicant team + feasibility and efficiency of project plan)
- Outcome and impact of the project (contribution to capacity and competence building + intended short-term outcomes + intended long-term application of outcomes)
- Added value of bilateral cooperation

9. Communication of project evaluation decisions

The outcome of the evaluation of the proposals will be communicated to applicants in accordance with the respective communication procedures of the funding institutions.

10. Decision process and the start of projects

The formal funding decisions will be taken jointly by the funding institutions after the proposals have been evaluated by the (external) experts. Each region will fund its own project partners.

When final decisions have been conveyed to project participants, successful applicants must enter into individual contractual agreements with their national/regional funding institutions. A consortium agreement must be concluded between the project partners and has to regulate, inter alia, duties and responsibilities, use of project results and intellectual property rights (IPR) issues. The consortium agreement and the above mentioned individual contractual agreements are prerequisites for the first payments made to the project partners from the national funding institutions. The involved funding institutions will monitor and supervise the funded projects (reporting).