



**Manual Strategic Basic Research (SBO)
Call for project proposals with a primary societal finality**

Version 2019

**Preparation and submission of a project application: see
SBO website**

[\(https://www.fwo.be/en/fellowships-funding/research-projects/sbo-projects/\)](https://www.fwo.be/en/fellowships-funding/research-projects/sbo-projects/)

and e-portal

<https://www.fwo-eloket.be/FWO.ELoket.WebUI/Login.aspx>

PROJECT DATA SHEET**Key characteristics of strategic basic research**

1. The focus is on high-risk, inventive and innovative research
2. The strategic importance and scope of long term utilization prospects in Flanders

Important dates: *See website*

Document summary

available on <https://www.fwo.be/en/fellowships-funding/research-projects/sbo-projects/>

TABLE OF CONTENTS

1. POSITIONING.....	3
1.1. Basic characteristics of the SBO support channel	3
1.2. Choice between the economic and societal component	3
1.3. Clarification regarding an SBO proposal with a primarily societal finality	4
2. PROGRAMME CHARACTERISTICS	6
2.1. Project applicants (consortium) and users	6
2.2. Supported activities	7
2.3. Project budget and support	7
2.4. Use of the results - ownership issues	9
2.5. Data management	10
3. EVALUATION OF THE PROJECT PROPOSAL.....	10
3.1. Important deadlines and project assessment timeline	10
3.2. Description of the assessment procedure	10
3.3. Choice of the thematic SBO expertpanel	11
3.4. Assessment framework	12
3.5. After the decision	15
3.6. Procedure complaints and appeals	15
3.7. Rights and obligations during project execution	16
4. ADDITIONAL INFORMATION	16
4.1. Exploratory or feedback meeting	16
4.2. Contact	16
5. LIST OF DOCUMENTS TO BE UPLOADED WHEN SUBMITTING AN SBO PROJECT PROPOSAL	18

1. POSITIONING

1.1. Basic characteristics of the SBO support channel

The SBO (strategic basic research) financing channel focuses on innovative research, which, if scientifically successful, opens up prospects for later economic or societal applications. It is open to all scientific disciplines and fields of application.

The name of the programme can be broken down in two parts: '*strategic*' and '*basic research*'. The term '*strategic*' refers to the problem-driven and application-oriented focus of the programme. This implies that in order to fit the SBO programme, a proposal should address a specific economic or societal need or problem. The term '*basic research*' refers to the requirement of the SBO programme to gain knowledge regarding the topic of interest. An SBO proposal should thus consist of research that, if successful, results in an important contribution to the international state-of-the-art.

The SBO programme thus distinguishes itself from applied research (or experimental development) because of the need for additional basic research on the topic of interest to come to the intended application. The difference of the research intended in the SBO programme with curiosity-driven fundamental research lies in the fact that knowledge generation as such (i.e. acquiring new knowledge without any concrete practical application or use in view) is not the objective of this funding programme.

The SBO programme breaks down into two finality parts: an economic programme part for projects with a primarily economic finality and a societal programme part for projects with a primarily societal finality. This manual is intended for applicants of projects situated in the societal part of the programme (SBO-M). Another manual for the economic part of the programme is available on the [SBO website](#).

The purpose of an SBO-M project is to contribute to the resolution of societal issues or to the creation of new opportunities with a societal added value for Flanders. To reach this goal, applicants should embark in a joint project definition with societal stakeholders, whereby the latter indicate their needs and strategic interests, and knowledge centres then respond to this by formulating a research project. SBO is thus not aimed at pure and one-directional knowledge dissemination, but at the acquisition of new knowledge in a dialogue between the research centres that carry out the research and the societal stakeholders that will subsequently translate the results into concrete applications. Following the SBO research phase, this can then lead to the start-up of utilization projects (e.g. bilateral development and implementation projects with a number of societal stakeholders).

From the conceptual phase onwards, the implementers of an SBO project are expected to develop a clear vision on the potential for utilization and to make efforts to ensure the effective utilization of the results with societal stakeholders.

1.2. Choice between the economic and societal component

The first choice to be made by the project applicants is the choice between the economic or societal component of the SBO programme. The finality of the project proposal is determined by the primary nature of the stakeholders who will be utilizing the targeted research results at a later stage:

- If the planned utilization of the research results will occur primarily through economic stakeholders (such as companies) for the purpose of economic value creation, the SBO project proposal falls within the economic finality component.
- If, by contrast, the impact and utilization is aimed primarily at societal stakeholders (public departments, societal organisations, social profit sector, etc.) and at societal value creation, the SBO project proposal is considered to belong to the societal component.

The following examples illustrate this distinction:

- An SBO project that will enable companies to develop new medicines through follow-up R&D for the purpose of economic value creation, fits within the economic finality component. The fact that the use of these medicines is societally relevant is not a determining factor for the primary finality of the project.
- A (macro)economic SBO project whose results are used as inputs by governmental actors or societal partners to develop new societal policy visions and strategies fits within the societal finality component. The research discipline in itself is not determining for the primary finality of the project.
- An SBO project that is targeted at sustainable development does not a priori belong to the societal finality component. If the further absorption and utilization of the research results takes place primarily through companies, then the project falls within the economic finality component.

There may, of course, also be hybrid forms, where the results of a project in the economic finality component may, on an ancillary basis, also be utilized by societal stakeholders. The same applies to a project in the societal finality component whose results may, on an ancillary basis, also be used by companies. It is essential to indicate and substantiate where the focus lies in terms of utilization, so that you can opt for the most relevant finality. The evaluation by FWO will be carried out within the finality indicated by the applicant at the time of submitting the proposal.

1.3. Clarification regarding an SBO proposal with a primarily societal finality

The utilization potential resides in the capability of the project to contribute to the resolution of certain societal needs or strategic interests (driven by the demand side, i.e. societal/social stakeholders) or to the creation of new opportunities for societal value creation (driven by the supply side, i.e. research centres).

It is important here to obtain a good mix between the supply side represented by research centres and the demand side represented by societal stakeholders in Flanders. Societal stakeholders include both social profit organisations and professional groups as well as government departments/entities.

Societal utilization requires a broad transfer of the research results to a range of societal stakeholders. Therefore, the applicants are obliged to install an advisory committee during the project set up.

1.3.1. Advisory committee

The following principles apply for the advisory committee:

- The organisations that have committed to participate in the advisory committee must be explicitly specified.
- The advisory committee is open to all interested societal stakeholders, including organisations established outside the Flemish region.
- An organisation that wants to join the advisory committee is required to commit to a substantive contribution and a time investment to participate in bilateral consultations with the project implementers and/or meetings of the advisory committee.
- These commitments of the organisations must be backed up by substantiated letters of intent (addressed to the SBO project supervisor). These letters of intent are an integral part of an SBO project proposal. As these documents will be provided to the external referees, to the respective SBO expert panel and to the SBO-M steering committee, the letters of intent are to be written in English.
- It is essential that the letters of intent are concrete and properly substantiated and not limited to general non-binding expressions of interest. It should be explicitly specified, in as much detail as possible, what the specific added value of the expected project results is for the respective organisation and what further concrete development and implementation projects are foreseen after the SBO project period. The letter of intent confirming the membership of the advisory committee should be signed by a legal representative of the organisation as evidence for the internal support within the organisation for its involvement in the advisory committee.

- The composition of the advisory committee, including letters of intent that substantiate this, should be finalized at the time of submission of the project and submitted together with the SBO application. Letters of intent that arrive after the deadline or arrive at the premises of FWO are not eligible.
- The SBO project executors are the owners of the results. In case the research leads to intellectual property rights, the members of the advisory committee are not automatically entitled to the exploitation of the results. Any subsequent transfer of results should always be carried out at prevailing market conditions. Transfer of results of the research centres is thereby open to all organisations in the European Union, including but not limited to those that are member of the advisory committee (see 2.4). It is important to make arrangements, already before submitting the project, about the way in which the expectations of the members of the advisory committee on intellectual property rights will be handled and to develop a vision on the possible transfer of expected project results to users.
- During the project assessment, special attention will be paid to the likelihood and feasibility of the possible applications, which depends, among other factors, on a good understanding between the users.

1.3.2. *Interactions with users before, during and after the SBO project*

It is important to pursue sufficient interaction between the research centres and the potential users of the project results, both during the SBO pre-project phase, the SBO project implementation phase, and the SBO post-project phase (see also manual for participation of users on the SBO website: <https://www.fwo.be/en/fellowships-funding/research-projects/sbo-projects/>).

- *SBO pre-project phase*

During the drafting of an SBO project proposal, researchers are urged to contact societal organisations/users for bilateral consultation or for a preparatory brainstorming together with other users. Conversely, societal organisations may contact researchers to discuss needs, bottlenecks or opportunities for which strategic research could provide an added value.

During the assessment of SBO project proposals, great emphasis is placed on the active participation of societal organisations/users from the early phase of drafting a project proposal. Interaction with interested users in an early phase allows to tailor the project proposal to the actual needs of these organisations and thereby maximising the likelihood of future utilization of the results. The applicants of an SBO project and the members of the advisory committee must provide evidence of such pre-project activities as well as substantiate their impact on the project proposal.

- *SBO project implementation phase*

During the project implementation, a two-way dialogue between the researchers and the user field involved remains essential to achieve the targeted transfer from scientific research to concrete applications. Hereto, societal actors may participate as member of the advisory committee.

Societal users cannot participate to the research consortium as funded co-applicant. They can, however, decide to collaborate with the SBO consortium, using their own resources, by:

- the execution, during the SBO-project period (from the third year onwards), of application-oriented activities that bridge the gap between the SBO results and their application(s) in the societal field of application. It is however important that the SBO project remains innovative and challenging basic research.
- the execution of parallel R&D activities, related to the topic of the SBO project and the societal application domain of the SBO project, which however do not belong to the societal implementation of the actual SBO results.

In both of the above cases, these R&D activities are not part of the SBO project.

During the evaluation of the project proposals, a selection advantage may be awarded to such collaborations. They should therefore be verifiable and should overlap with the planned execution of the SBO project. The presence of such collaboration does not suffice for granting a selection advantage. It is up to the SBO expert panels and the steering committee to give an appreciation about the meaningfulness, relevance and added value of such collaborations.

It is important that the SBO project executors inform all other members of the advisory committee on such ongoing cooperation(s).

Such partnerships do not give the registered users automatic access rights to the project results obtained during the SBO project. The research centres remain the owners of the results obtained and transfers must be done in accordance with accepted market practices (see 2.4).

- *SBO post-project phase*

A successful SBO project gives rise to subsequent research, development and implementation projects and activities. The focus thereby shifts to the societal users. These follow-up projects do not qualify for support under the SBO financing channel.

It is important that possible follow-up projects to be carried out by societal stakeholders are specified already in the project proposal and the letters of intent.

2. PROGRAMME CHARACTERISTICS

2.1. Project applicants (consortium) and users

2.1.1. Project applicants

An SBO project proposal is submitted by at least one Flemish research centre. Based on their mission, this includes e.g., Flemish universities and their university hospitals, Flemish university colleges (in Dutch: *hogescholen*)¹ and the Flemish strategic research centres. Otherwise, all other organizations that meet the definition of a research centre and that are located in the Flemish region² may act as applicants of a SBO project. A research centre is defined as *an entity (such as universities or research institutions, technology transfer agencies, innovation intermediaries, research-oriented physical or virtual collaborative entities), irrespective of its legal status (organised under public or private law), or way of financing, whose primary goal is to independently conduct fundamental research, industrial research or experimental development, or to widely disseminate the results of such activities by way of teaching, publication or knowledge transfer. Where such entity also pursues economic activities, the financing, the costs and the revenues of those economic activities must be accounted for separately. Undertakings that can exert a decisive influence upon such an entity, for example in the quality of shareholders or members, may not enjoy preferential access to the research capacity of that entity or to the results generated by it (definition of a 'research and knowledge-dissemination organisation' as stated in Article 2, section 83 of the Regulation (EU) No 651/2014 of the commission of June 17, 2014).*

If there could be any doubts whether a particular applying organization meets the definition of a research centre (e.g. if the organisation concerned has never applied for an SBO proposal before), you should support compliance to this definition, possibly through an independent legal advice. Please contact the FWO administration for further instructions via sbo@fwo.be.

Two or more research centres together may also form a consortium. In this case, one of the Flemish research centres is appointed as the main host institution.

Furthermore, the following specific basic conditions apply:

- The Interuniversity Micro-Electronics Centre, the Flemish Institute for Technological Research, Flanders Interuniversity Institute for Biotechnology, Flanders Marine Institute, Flanders' Make and

¹ See article II.2 en II.3 in: <http://data-onderwijs.vlaanderen.be/edulex/document.aspx?docid=14650>.

² Or in the Brussels region if they resort under the authority of the "Vlaamse Gemeenschapscommissie".

the Flemish scientific institutions receiving an allocation from the Flemish government must submit an SBO project proposal in collaboration with at least one other Flemish research centre.

- A Flemish university college (“hogeschool”) must always submit an SBO project proposal in collaboration with or at least after a positive advice of the university with which it is associated. This advice consists of a document in which the university agrees with the submission of the proposal by the university college. University colleges must always submit a project proposal in collaboration with at least one other Flemish research centre.

All applicants (on the level of their legal entity) must subscribe to the principles of the SBO programme in the form of a declaration of intent. This declaration includes a formal statement in which the applicant declares that the organisation fulfils the definition of a research centre (see above). For applicants that regularly submit SBO project proposals³, the research coordination or TTO offices have (or will receive upon request) an account in the FWO e-portal, allowing them to submit this declaration online. For others, including sporadic applicants (such as non-Flemish research institutes, ...), the declarations (signed by a legal representative of the organisation) have to be uploaded as attachments to the project application at the time of submitting the proposal via the e-portal. A template is available on the program [website](#).

The main applicant (legal entity) appoints a supervisor. The supervisor must be employed by the main applicant and is responsible for the proper execution of the project. The supervisor is the first contact person for FWO. The main applicant ensures that the supervisor has sufficient time and experience to carry out this assignment properly. If the project is submitted by a project consortium, the main applicant represents the applicants towards FWO and, when the grant is awarded, ensures the coordination of the activities of the awarded project grant.

2.1.2. *Non-Flemish partners*

A Flemish research centre can submit a project proposal together with one or more non-Flemish research centres. In this case, it must be demonstrated in the project proposal that their input of this partner is necessary to carry out the research and to achieve the utilization objectives in Flanders. The aggregated sub-budgets of non-Flemish research centres being part of the consortium as project partner or intended to carry out specific sub-tasks as subcontractor, may not exceed 20% of the proposed project budget.

2.2. **Supported activities**

The supported activities for research centres include the implementation of the strategic basic research as such and also activities linked with the planned utilization approach (meetings with the advisory committee, surveys of bilateral follow-up projects with societal stakeholders, etc.). This implies that the deployment of people with a task related to utilization of the results during the project period can also be incorporated into an SBO project⁴.

2.3. **Project budget and support**

2.3.1. *Project duration and project budget*

In principle, an SBO project has a duration of four years. With proper justification, the project may also have a shorter duration.

³ Catholic University of Leuven (incl. University Hospital Leuven), Ghent University, University Hospital Ghent, University of Antwerp, University Hospital Antwerp, Free University of Brussels (incl. University Hospital Brussels), University of Hasselt, Flanders Institute for Biotechnology, Flemish Institute for Technological Research, Interuniversity Micro-Electronics Center, Flanders Make, Prince Leopold Institute of Tropical Medicine.

⁴ This applies to people who are directly integrated into the relevant research groups of the SBO project consortium, and therefore not to individuals who are employed in interface services or research coordination services and for whom another form of funding is already available (cf. interface decree: decision of the Flemish Government of 29 May 2009 concerning the support of Industrial Research Funds and interface activities of the associations in the Flemish Community).

The project budget is initially set to a maximum €500,000 per year. However, if the project is carried out by a consortium, the project budget may be increased to a maximum of €500,000 per year multiplied by the number of legal entities acting as a project applicant that have a share of more than 15% of the total project budget.

This does not mean that each applicant within a consortium must at least commit to 15% of the project budget. The 'minimum 15%' rule refers only to the consortiums' budget advantage, according to which the overall project budget can be increased by up to €500,000/year when this minimum is reached.

The combined sub-budgets of non-Flemish research centres being part of the consortium and non-Flemish third parties intended to carry out specific sub-tasks as subcontracting, may not exceed 20% of the total project budget.

As a guideline for the order of magnitude of an SBO project budget, an amount of ca. 2 million euros is to be assumed. Larger budgets are possible if duly substantiated.

2.3.2. Support

The support percentage amounts to 100% of the acceptable costs provided the research centres meet the definition of a research centre (see 2.1.1).

2.3.3. Cost model

The project budget structure and the acceptable costs are described in detail in the cost model (see <https://www.fwo.be/en/fellowships-funding/research-projects/sbo-projects/>). An Excel template for preparation of the budget is available on the FWO e-portal. This file makes use of macros to facilitate its completion by the applicant. Its use is mandatory and the version that corresponds to the requested project budget has to be uploaded in the FWO e-portal when submitting the project proposal. *Please note:* Before uploading this file to the FWO e-portal, you need to save this document as an Excel file without macros (due to the FWO server's security measures against uploading malicious files).

Staffing costs

The acceptable staffing costs form the basis for the project budget. Only staff executing research activities or activities related to the utilization of the project results can be taken into account in the project budget. Universities and university colleges ("hogescholen") have to use real wages; all other organisations use a system based on flat rates (see cost model). Staffing costs of 'ZAP' members are not permitted.

Other costs

The application must include a realistic estimate of the costs. The level of detail that is required for the justification of the direct other costs for an SBO project is limited to a list of large categories and their related cost (e.g., materials/commodities, IT costs, travel/accommodation expenses, depreciation of research equipment, subcontractors, etc.). The share of subcontracting (< €8,500) in the direct other costs must be clearly specified.

Cost for large subcontracting

From €8,500 onwards, an anticipated subcontracting needs to be specified separately from the other costs and the necessity of the subcontracting needs to be justified. The outsourced tasks and cost drivers must be documented. When awarding the actual contract to a subcontractor during the project execution, the applicants should comply with the law on public procurement.

Large costs

In exceptional cases an SBO project may also include a special 'large costs' that is separated from the other costs and specified in the appropriate section of the budget template. This is always done after consultation with FWO. These large costs should be relevant for the project and should not fit within any of the other cost categories.

Specific points to be taken into account for the SBO program

- The total cost of the tasks proposed to be carried out by subcontractors may not exceed 30% of the proposed SBO project budget.
- It is assumed that in most cases the sum of other costs and (any) subcontracting can be limited to €40,000 per person-year. In case of deviations an explicit justification is needed. Such deviations will be accepted only exceptionally.

2.4. Use of the results - ownership issues

Owner of the results

The project applicants/executors are the owners of the project results. In the case of a consortium, each partner is the owner of its own results and is not entitled to the results of the partners. For a research group belonging to a university or a university college ("hogeschool"), the provisions of art. IV 48 of the Higher Education Code apply.⁵

Transfer of the results to users

When intellectual property rights or user rights arising out of research results obtained by a research centre are transferred to a company/organisation for the purpose of further valorizing the results, the following provisions apply:

- the research results are available on an equal and non-discriminatory basis to all organisations/companies within the EU;
- a compensation in accordance with normal market conditions is payable which is equal for all organisations/companies within the EU, including members of the advisory committee and organisations taking part in the project implementation (as non-funded partners or subcontractors). Possible contributions of the organisations to the costs of the research centres towards the results may be deducted;
- the revenues from the transfer are reinvested in the primary activities of the research centre.

Cooperation agreement

When there are several legal entities in the consortium, good mutual arrangements are to be in place between the participating consortium partners concerning what has been agreed on joint working agreements, project management and the allocation of the intellectual property rights (IPR).

As part of the project proposal, the applicants have the choice to indicate to

- 1) accept the model cooperation agreement as agreed on by the Tech Transfer Offices Flanders (www.ttoflanders.be) which is made available on the FWO-SBO website
- 2) The consortium partners do not agree with the standard template used by universities and most research organisations.
- 3) have not yet settled an agreement on the main principles of the consortium agreement.

In case the members of the consortium have not yet come to an agreement on the way they will collaborate, applicants should provide a short description of the alternative regulation they envision and give their motivation for the specific adaptation(s) and/or indicate the remaining bottlenecks to be solved in order come to a collaboration agreement.

FWO does not need to receive a signed term sheet between the partners of the consortium in the course of the evaluation procedure. Irrespective the choice made in the application, a full cooperation agreement is requested after granting the project proposal. This cooperation agreement, as well as any changes to it during the execution of the agreement is subject to approval by the FWO.

⁵ Coordinated decrees on higher education ("Higher Education Code") of 11 October 2013.

2.5. Data management

Research data management covers the way research data are managed, from their date of creation or collection, to the moment they are published or used and possibly preserved for the long term.

Research data management is therefore an integral part of sound scientific research and thus FWO has made data management a key element of its policy. It covers procedures on the description of research data and metadata, their storage and long-term preservation, the discoverability, the designation of responsible persons, the handling of highly sensitive data, and the open access to and sharing of research data. The FWO expects researchers to pay due attention to this dimension before, during and for at least five years following their research.

The application form in the FWO e-portal contains several issues that need to be addressed concerning data management:

- the data types that the research will use and/or generate
- the provisions that are in place in order to preserve the data for at least 5 years after the end of the research
- possible reasons to deviate from the principle of preservation of data, sharing and of the minimum preservation term of 5 years
- specific security measures for research data due to ethical issues
- other relevant issues related to data management.

The abovementioned issues regarding data management will also be taken into account during the evaluation procedure. If a proposal receives funding, a data management plan will be requested by FWO. More information on data management can be found [here](#).

3. EVALUATION OF THE PROJECT PROPOSAL

3.1. Important deadlines and project assessment timeline

For an overview of deadlines that apply for the current call: see the SBO website:

<https://www.fwo.be/en/fellowships-funding/research-projects/sbo-projects/>

3.2. Description of the assessment procedure

The deadline for submission of an SBO project proposal is indicated on the SBO website. Project proposals are submitted via the FWO e-portal. Any other way of submission is considered ineligible.

The initially submitted project proposal remains the basic document throughout the selection procedure.

The SBO assessment procedure consists of a single selection round:

- For every SBO project proposal, the FWO administration provides at least four international experts who have agreed to evaluate the project (external peer review). For a highly multidisciplinary project proposal, the number of experts may be increased. The assessment by the international experts is based on the assessment framework given in 3.4.2 and covers both the scientific aspects and the utilization aspects.
- To avoid any conflicts of interest, the applicants may submit to FWO a short list of maximum 3 experts to be avoided. Such a short list must be submitted at the deadline of pre-submission (i.e. transfer of the project proposal to the coordinating office of the main applicant). The short list must be specific, i.e. based on the name of the expert or particular organisation to be challenged. Also a short motivation to exclude an expert should be provided.
- The written expert recommendations are sent anonymously and unabridged to the applicants. The applicants have the opportunity to provide a rebuttal to the expert recommendations. Its length is maximum 3 A4 pages and the timing hereof is indicated on the SBO website. The sole aim of this

rebuttal is to clarify misunderstandings originating from the external peer review process and/or to provide an answer to open questions. If necessary for the interpretation and assessment, (a part of) the applicant's response to the referee's comments may be shared with the external experts for additional feedback.

- The project application, expert recommendations and the written feedback from the applicants, is then assessed by two-stage internal peer review: First, a thematic expert panel assigns a consensus score on the scientific and utilization dimension of a limited set of SBO-proposals. The panel members act as generalists for the set of proposal to be evaluated within the panel. Secondly, the steering committees review, amends, modifies, and ratifies the preliminary evaluation reports of the thematic expert panels and then ranks the proposals within their particular finality (economic or societal and submits a proposal for funding for approval by the FWO board of trustees.
- Throughout the evaluation process, FWO is supported by staff of the Agency for Innovation and Entrepreneurship (<https://www.vlaio.be>).

3.3. Choice of the thematic SBO expertpanel

The applicants have to assign their proposal to an SBO expertpanel that will perform the intermediary internal peer review of their application. This choice is based on the broad scientific field in which the proposed research is primarily situated. An overview of the panels that can be selected during the submission of a proposal can be found in the table below. If necessitated by the number of submissions per scientific theme, the FWO reserves the right to split themes into multiple SBO-expertpanels or merge related expertpanels. FWO can, if opportune for a proper evaluation, have the application processed by another expertpanel. The latter action is subject to approval by the applicant of the project proposal concerned.

Name expertpanel	Panelscope
APPLIED BIOLOGICAL, ENVIRONMENTAL & EARTH SCIENCES	Agronomy & agricultural engineering Bio(techno)logical sciences (non-medical) Earth and spatial sciences Food science Environmental and ecological sciences
(BIO)MEDICAL & HEALTH SCIENCES	Medical sciences Health sciences Biomedical engineering (incl. Biomechanics) Pharmaceutical sciences Clinical & health psychology Veterinary science
CHEMISTRY, PHYSICS AND MATERIAL SCIENCES	Material sciences Nanotechnology Chemistry & Chemical Engineering Applied physics
INFORMATION & COMMUNICATION TECHNOLOGY	Informatics and computing technology Telecommunication technology Data sciences
SOCIAL SCIENCES & HUMANITIES	Pedagogy & social psychology Forensic sciences Administration and management Social & political sciences Economics Law History Laguage and linguistic science

	Art, architecture and design
TECHNOLOGICAL SCIENCES	Architectural engineering & building science Electronics Civil engineering Applied mathematics Mechanical engineering Astronomy and astrophysics Energy technology Nuclear engineering Signal processing

3.4. Assessment framework

3.4.1. Formal eligibility analysis

The following eligibility criteria apply:

<p>E1. The project proposal is submitted by the set deadline and is complete and consistent with the requirements of the application.</p> <ul style="list-style-type: none"> - The preliminary registration of the project proposal was done by the set deadline as specified on the SBO website. - The project proposal is submitted by the set deadline as specified on the SBO website. - The project proposal is submitted electronically in accordance with the specifications of the application template. - The parts of the project proposals that are intended for the experts are written in English. The project summary is also provided in Dutch. - The maximum number of pages or characters as specified is not exceeded. The appendices are consistent with the specifications of the application. - An advisory committee is foreseen in the project proposal. - The project application includes a project budget in accordance with the cost model.
<p>E2. The research consortium is made up of stakeholders from the target group.</p> <ul style="list-style-type: none"> - The project proposal is submitted by at least one Flemish research centre. - IMEC, VITO, VIB, Flanders' Make, Flanders Marine Institute, Flemish scientific institutions with a public budget allocation ("dotatie"), and university colleges ("hogescholen") cooperate with at least one other Flemish research centre.
<p>E3. All applicants of the consortium have subscribed to the principles of the SBO programme. The project proposal includes the necessary declarations and/or letters of intent by the applicant(s) of the consortium.</p> <ul style="list-style-type: none"> - All applicants of the consortium have subscribed to the principles of the SBO programme. Flemish universities, university hospitals and strategic research centres can provide the necessary declaration through the FWO e-portal. Other applicants have to provide a letter signed by a legal representative

The FWO may take a negative decision on eligibility or set additional conditions in the following cases:

- 1) a project applicant does not fulfil all obligations or authorisations set by the authorities;
- 2) a project applicant has behaved incorrectly on the occasion of previous project proposals, including with regard to the provision of information, substantive or financial obligations, or reporting.

These eligibility criteria remain valid throughout the evaluation procedure. Project proposals that are found ineligible do not qualify for support and will not be considered in the further selection procedure. FWO may contact the applicant during the eligibility analysis to complete the application. FWO may also use information from other financing bodies.

3.4.2. The assessment

The assessment framework for an SBO project application is as follows:

First dimension: scientific quality S
--

<p>S1. The strategic character of the research and its contribution to the development of a broad knowledge base with broad possibilities for further research activities</p> <ul style="list-style-type: none"> - S1.1. The project offers a clear scientific added value with respect to the international state-of-the-art (state of knowledge and of current research). - S1.2. The research to be carried out is of high quality in terms of strategic basic research, particularly as regard to high risks/high gain characteristics, challenges and inventive creativity. - S1.3. The intrinsic scientific feasibility of the project objectives can be considered as realistic (assuming that the project is properly conceived and implemented).
<p>S2. The efficiency and the quality of the research approach, the project planning (including the way in which coordination is ensured for project proposals that are carried out within a consortium), the work programme and the planned project management</p> <ul style="list-style-type: none"> - S2.1. The research approach is clearly developed and substantiated, and well aligned to the strategic project objectives. - S2.2. The project planning and project management are developed clearly and professionally. <p>Please note:</p> <ul style="list-style-type: none"> - The assignment of research tasks and the mutual interactions between the consortium partners should be well balanced in relation to the project objectives. - The project proposal should contain clear objectives, performance targets, milestones and deliverables which make it possible to monitor the progress of the strategic basic research.
<p>S3. The “value for money” and the feasibility of the proposed research with the planned personpower and resources</p> <ul style="list-style-type: none"> - S3.1. There is a good balance between the research load and the planned deployment of personpower and resources (no underestimation, no overestimation). <p>Please note:</p> <ul style="list-style-type: none"> - Any additionally requested heavy research equipment or major subcontracting should be properly justified and be essential for the effective implementation of the project.
<p>S4. The existing competence, infrastructure and potential available to the project applicant(s) in order to conduct the proposed research</p> <ul style="list-style-type: none"> - S4.1. The partners participating in the consortium have a clear R&D capacity and competence in the field under consideration and this in terms of strategic basic research. Most of the required basic infrastructure is available. There is a clear and sufficient synergy between the partners in the consortium as regards the development of a strategic knowledge base (i.e. the total is more than the sum the individual parts). The participating partners have a good track record in the field of R&D cooperation. A consortium with a very good competence and synergy with a significant and necessary cross-institutional cooperation, will be considered a plus in the selection procedure.

<p>Second dimension: utilization or utilization perspectives U</p>
<p>U1. The importance and the scope of the anticipated societal utilization potential in Flanders</p> <ul style="list-style-type: none"> - U1.1. The project offers a potential for a broad spectrum of possibilities for further application and/or exhibits a clear problem-driven character stemming from societal needs. - U1.2. The approach is strategically relevant to reach the targeted applications. - U1.3. With regard to its positioning, the project presents a clear difference with fundamental research, applied contract research and more specific policy supporting research with a shorter term orientation. - U1.4. The targeted utilization in Flanders is extensive, realistic and intrinsically feasible. There is a clear link between the project results and the strategic interests and opportunities for societal stakeholders in Flanders (absorption capacity).
<p>U2. The quality of the proposed strategy and the approach for the support of the further societal exploitation of the research results (knowledge transfer)</p> <ul style="list-style-type: none"> - U2.1. The project proposal contains a sound and well developed utilization plan aimed at the active transfer of the results to the societal stakeholders on the demand side (i.e. external to the academic circles and the knowledge centres on the supply side). Potential risk factors or particular conditions (e.g., privacy, legislation, IPR etc.) with respect to the opportunities for utilization in Flanders are identified and addressed. - U2.2. The utilization approach has a good feasibility. The utilization approach involves sound and meaningful interaction processes with representative users in Flanders (i.e. stakeholders who can make an

<p>active contribution in the utilization process). Adequate staffing with qualified people is planned in order to carry out these utilization-oriented tasks.</p> <ul style="list-style-type: none"> - U2.3. The SBO project proposal has been preceded by a professional preparatory process with meaningful interactions with users. This is adequately demonstrated in the project proposal and possible appendices.
<p>U3. The available competence as regards the management of research results and their transfer to societal stakeholders</p>
<ul style="list-style-type: none"> - U3.1. The participating partners have in the past actively contributed to the transfer of research results to societal and/or governmental stakeholders. Please note: earlier or current SBO projects should have led to a significant interaction and cooperation with societal stakeholders and a targeted orientation to applications and transfer.
<p>U4. The added value of the project in the field of sustainable development (SD), where appropriate</p>
<ul style="list-style-type: none"> - U4.1. A project proposal may receive a score of "excellent" for this criterion if it shows a high level of ambition towards better integration of sustainability in public policy or within societal organisations, and/or a high level of ambition towards a sustainability-oriented transition process where the environmental dimension is the central focus. This should be adequately substantiated in the project application.

For most (sub)criteria, the following scoring possibilities exist:

- Insufficient information (in order to judge the criterion)
- Unacceptable
- Weak
- Reasonable
- Positive
- Excellent

For more information about the evaluation criteria: see score grid on the SBO website (<https://www.fwo.be/en/fellowships-funding/research-projects/sbo-projects/>).

The decision model for the overall score and the differentiation of the project proposals is as follows:

- The following projects are ineligible for support and will not be ranked:
 - Projects scoring "unacceptable" or "insufficient information" on at least one subcriterion.
 - Projects scoring overall less than "reasonable" on at least one of the main criteria (S1-S4, U1-U4).
 - Projects having an overall delta score (i.e. the sum of the scores on the subcriteria) < -2 on at least one of both assessment dimensions (scientific quality or utilization). This delta score is calculated by translating:
 - the scores "excellent", "positive", "reasonable" and "poor" on a subcriterion to +1, 0, -1, -2 points respectively. A double weight is granted to criteria S1.1 (delta with respect to state-of-the-art) and S1.2 (challenging, high-risk and inventive character of the research) because of the importance of both aspects for an SBO project. A delta score is calculated for the scientific dimension as well as the utilization as the sum of the scores on the subcriteria for this dimension. The overall delta score is then calculated as the sum of both delta scores for the scientific and utilization dimension.
- Projects that meet the minimum requirements for support (at least "reasonable" (i.e. a delta score larger than or equal to -2) on both assessment dimensions) are ranked based on the following rules:
 - Projects are ranked based on an equal weight to the scores on scientific quality S and utilization prospects U and on the necessary diversity as regards fields of application in case of equivalent scores.
 - A bonus (+1 on the delta score) is granted to projects with a meaningful and relevant collaboration with relevant societal actors on application oriented activities that bridge the SBO-results to their societal implementation (see 1.3.2).

The highest ranked project proposals are supported within the limits of the available budget.

- In addition to a consensus score for the (sub)criteria, the SBO expert panel also awards a general appreciation score (A, B, C) to the project proposal.

- **A:** The application meets the minimum quality requirements and is eligible for support, provided sufficient budget is available. If ranked below the limits of the available budget, an A-type project can be resubmitted within the subsidy channel concerned in the next call.
 - **B:** The application does not meet the minimum quality requirements and cannot be supported in its current form. Shortcomings in the current application are relatively easy to remediate. A B-type project may be resubmitted in the next call. At that occasion, the applicants must explain how the research and/or valorisation plan has been revised in order to meet the criticism of the previous year, with an emphasis on the criteria on which the score was substandard.
 - **C:** Category C concerns applications that clearly do not meet the minimum quality requirements for support (e.g. proposal does not fit the finality of the program, project (parts) submitted too prematurely; clearly negative appreciation on both assessment axes; particular negative appreciation of the scientific quality; shortcomings that are difficult to remediate and/or applications that are deemed not to fit in the subsidy channel.... This list is not exhaustive. In case an application is classified in category C, it is not allowed to resubmit the next call. In other words, a call year must be skipped before a proposal with the same research questions and valorisation strategy can be submitted.
- The general appreciation score is also provided to the SBO steering committee. The SBO steering committee has the right to change the general appreciation score of the expert panel.
 - The individual researcher(s) with a C-project is not prohibited from submitting a project proposal with another research question during the next call. At all times, the evaluation bodies have the right to not evaluate a application and/or exclude it from the final ranking, if it is too similar in terms of research question, utilization objective and/or methodology to a project with a C label from the previous call. This assessment is part of the exclusive and discretionary competence of the evaluation body concerned.

3.5. After the decision

The project data sheet with the decision-making process is forwarded to the main applicant when the decision is made public. The applicants can subsequently request a debriefing (a request can be sent to sbo@fwo.be). See further chapter 4 of this manual.

In the case of a positive decision, an agreement is drafted between FWO and the project applicants.

3.6. Procedure complaints and appeals

It is at the discretion of the expertpanels and steering committees of the FWO to assess, in all autonomy, the submitted applications

If you are not satisfied with the procedure followed during the evaluation process, an appeal for review of the decision can be filed with FWO. An appeal for review must be initiated within a period of 30 working days after notification of the board of trustees decision and be 'clear and verifiable', such as errors committed to the applicable FWO regulations., . The words "clear" and "verifiable" mean that the elements on which the request for review is based must be understandable for a third party or layman, enabling an assessment of its truthfulness/well-foundedness.

such as concrete elements which were not correctly assessed in the applicants' opinion.

If dissatisfied with the way FWO has handled the application, a complaint can be filed at any time in writing or electronically. Complaints are handled within 45 days of their receipt. Complaints concerning a negative appraisal of a project application by the FWO board of trustees may, however, only be submitted after an appeal for review of the decision has been filed with and handled by the board of trustees.

3.7. Rights and obligations during project execution

3.7.1. Agreement

The main obligation of the beneficiary is a commitment of resources: with the help of the awarded resources, the beneficiary will make the necessary efforts to reach and apply the described project objectives through research and development activities to ensure utilization in Flanders.

3.7.2. Final cooperation agreement

The final cooperation agreement must include at least the following aspects:

- designation of a main applicant and a supervisor;
- designation of the research activities to be performed;
- joint working agreements and project management;
- agreements regarding ownership and user rights to background knowledge and project results for implementation of the utilization plan;
- procedure for settlement of mutual disputes;
- reporting obligations.

The cooperation agreement must concur with the FWO SBO regulation, and in particular with the provisions regarding the utilization of the project results. The final legally signed cooperation agreement must be submitted to FWO within 4 months of the date of receipt of the board of directors decision on the support.

3.7.3. Follow up, reporting and payment of support

If the project is approved, the beneficiary will have to report at regular intervals on the proper scientific and utilisation progress of the project. A separate guide on this subject is available on the SBO website (<https://www.fwo.be/en/fellowships-funding/research-projects/sbo-projects/>).

If an advisory committee is set up, an annual meeting must be held, to be attended by the members of the advisory committee. The FWO must be invited to this meeting and the minutes of the meeting must be sent to the FWO. These minutes are an integral part of the mandatory reporting.

4. ADDITIONAL INFORMATION

4.1. Exploratory or feedback meeting

Potential applicants of applicant whose application was not granted may request a meeting with the FWO staff. Such an interview takes about 1 hour.

The information provided during such meeting is based on the FWO staff's own insight and experience with the SBO program and may not necessarily reflect or be in line with the opinion of external referees, expert panel members and members of the steering committee that deal with the evaluation of the proposal concerned. The information that is provided should therefore be interpreted as non-binding advice and no rights can be derived from this information.

Please send an e-mail to sbo@fwo.be including a short abstract and key questions (max. 1 A4 page). The applicants should concurrently provide a number of possible dates when this exploratory interview could take place at the FWO offices.

4.2. Contact

For questions with regard to the modalities of the SBO programme, please contact sbo@fwo.be. Questions regarding the functionality of the e-portal should be addressed to fwohelpdesk@fwo.be.

5. LIST OF DOCUMENTS TO BE UPLOADED WHEN SUBMITTING AN SBO PROJECT PROPOSAL

Document	Compulsory/optional	Via e-portal
Scientific Project Description	Compulsory	Yes
Description of the intended utilization and knowledge transfer	Compulsory	Yes
Expertise and track record of the consortium	Compulsory	Yes
Project budget (Excel sheet)	Compulsory	Yes
Letters of intent from members of the advisory committee	Compulsory	Yes (tab 'Extra data')
Justification, cost drivers and breakdown of large cost and subcontracts	Compulsory (if relevant)	Yes (tab 'Budget')
Declaration of intent includes a formal statement in which the applicant declares that the organisation fulfils the definition of a research centre	Compulsory (if relevant), for organisations without account in the FWO e-portal	Yes