**FUNDING APPLICATION FOR**

**EXPLORATORY RESEARCH PROJECTS - PN-II-P4-ID-PCE-2020-2**

**Section 2**

*This document uses Times New Roman font, 12 point, 1.5 line spacing and 2 cm margins. Any changes of these parameters (except tables, figures or legends) are prohibited. Excess pages will not be considered by the experts in the evaluation process. The imposed number of pages does not contain the references; these will be written on additional pages.*

*The black text must be kept as it marks the mandatory information and sections of the application.*

*This document must be uploaded imperatively as an unprotected PDF file (document generated from a word processor file to a PDF, no scanned document), on the submission platform.*

**B. Project leader**

***B1. Important scientific achievements of the project leader*** *(maximum 3 pages)*

Please, present the most important contributions of the project leader in his/her research field (for instance, discoveries or results which significantly led to better knowledge in the field). In the presentation, please underline the following aspects: (1) the relation of these contributions to the topic of the proposed project; (2) the reflection of these contributions in his/her publications (particularly those published as the main author), particularly those listed in the significant publications list B3.1 section and/or other publications included in the profile of the project leader (the project leader will choose between Scopus Author ID, ORCID, Researcher ID, Google Scholar or MR Author ID); (3) the way in which these scientific contributions illustrate the independent research activity of the project leader and his/her international visibility (by references to the B3.2 section).

***B2. Curriculum vitae*** *(maximum 2 pages)*

This must contain at least the following categories of information:

* + 1. information about the degrees and diplomas;
    2. information about the professional experience and jobs. This will include, in particular, the professional positions where the project leader coordinated a team, a group or a research laboratory, if any.
    3. scientometric indicators: Hirsch index and the total number of citations (without self-citations), according to Web of Science, for the research areas where these indicators are relevant;
    4. at least one the profile adress from Scopus Author ID, ORCID, Researcher ID, Google Scholar or MR Author ID;
    5. the profile adress from [www.brainmap.ro](http://www.brainmap.ro).

***B3. Defining elements of the remarkable scientific achievements of the project leader*** *(max. 4 pages)*

B3.1 *The list of the most important scientific publications from 2012-2020 period.*

**For natural sciences, exact sciences, engeneering sciences and social sciences**: Please indicate the most relevant papers of the project leader (maximum 10) including:

* **Articles**: Please point out the most relevant articles published by the project leader. Please indicate the articles accepted for publication, with the mention of the date of acceptance. The evaluation will focus on the articles where the project leader is *a main author*, but in the situation when there are papers published as a co-author, which are considered relevant for his/her scientific production by the project leader, these can be indicated. The format is as follows:

|  |  |
| --- | --- |
| **Identification data:** | Authors. *Article’s title*, Journal/Conference Title, Volume, Pages (publishing year) |
| **Is he/she a main author?** | YES/NO (see Annex 5) |
| **Is it in the project’s field?** | YES/NO |
| **Number of citations:** | see *ISI Web of Science (without self-citations as defined in WoS)* |
| **DOI (Digital Object Identifier)** | *Optional* |

* **Monographs**: Please indicate just the scientific monographs published by internationally prestigious publishing houses. Textbooks aren’t taken into account even if they are published at international publishing houses. The format is as follows:

|  |  |
| --- | --- |
| **Identification data:** | Authors. *Book’s title,* Publishing House (publishing year) |
| **Is it in the project’s field?** | YES/NO |
| **No. of libraries according to** Karlsruher Virtueller Katalog (KVK) world catalogue. | See <https://kvk.bibliothek.kit.edu/index.html?lang=en&digitalOnly=0&embedFulltitle=0&newTab=0> |
| **University libraries** | The names of the most important university libraries (maximum 10) which acquired the monographs (see <https://kvk.bibliothek.kit.edu/index.html?lang=en&digitalOnly=0&embedFulltitle=0&newTab=0> or see the catalogue of the university library) |

* **Patents**: Please indicate the patents/utility models with a technologic transfer obtained in other countries of the European Union or in member countries of OECD. The format is as follows:

|  |  |
| --- | --- |
| **Identification data:** | Authors. *The title of the patent/utility model* (awarding year) |
| **The issuer office of patent** |  |
| **Is it in the project’s field?** | YES/NO |

**For the humanities:** Please indicate the most important works (maximum 10): books, chapters, articles, critical editions, dictionaries or encyclopaedias. The format is as follows:

|  |  |
| --- | --- |
| **Identification data** | For edited books/critical editions/collective volumes:  Last name, First name author / authors, *Full title*. Place, Publishing House, Year, No. of pages.  The number of entries in libraries from other member states of UE or from the member states of OECD <https://kvk.bibliothek.kit.edu/index.html?lang=en&digitalOnly=0&embedFulltitle=0&newTab=0>  For articles published in journals:  Last name, First name author / authors, *Full article’s title*, in: „Journal name”, no. volume, year of publication, no. leaflet, p. xx – xxx.  For articles/chapters published in collective volumes:  Last name, First name author / authors, *Full article’s title*, in: *Title of collective volume*, publishers’ Last name, First name. Place, Publishing House, Year, p. xx – xxx. |
| **Is it in the project’s field?** | YES/NO |

At most 3 significant works for the activity of the project leader can be uploaded on the web platform in electronic format.

B3.2. *The autonomy and visibility of the scientific activity.* Please indicate a number of **maximum 5 factual arguments** of the high degree of autonomy and international visibility of the research activity developed by the project leader. The arguments can belong to one ore more of the following categories, but not necessarily from all categories: (1) *fundraising* by research projects[[1]](#footnote-1) (academic grants or contracts with the industry) where the project leader was the main investigator (PI) or project coordinator; for each project will be given the following concise information: title, funding agency, total amount in euros and the ongoing period (if the information is available) (2) *the management of the research activity* by establishing and/or running some research teams or work groups which had as a result outstanding scientific achievements (referring to B1 and/or B3.1 and/or other B3.2 sections); (3) the most important international prizes[[2]](#footnote-2) (4) the status of invited speaker to prestige universities[[3]](#footnote-3) (5) the status of a member of commission of doctorate candidate at prestige universities3 (6) the status of member in the editorial board of the ISI Web of Science journals having the article influence score at least 0.5[[4]](#footnote-4).

**C. Description of the research project** *(maximum 10 pages)*

In this section the project leader will describe in detail the scientific context, the project goals and objectives, the strategy used to address them, and the material and human resources required to achieve the expected results.

C1. *Topics (issues)*. The scientific motivation for the subject proposed will be justified in the context of the current state of the art in the field. The following aspects will be emphasized in this section: (1) the importance of the problem to be addressed from a scientific, technological, socio-economic or cultural point of view; (2) the difficulties that may be encountered in addressing the topic proposed; (3) the limitations of current approaches in the context of the state of the art in the field.

C2. *Objectives*. The general principles of the scientific approach will be presented, underlining the following aspects: (1) the concrete objectives of the project; (2) the elements of originality and innovation of the proposed objectives in the context of the current state of the art in the field and in relation to the previous projects developed by the project leader.

*C3. Impact*. The expected impact of the project will be discussed in a broader context of the scientific domain, by focusing on: (1) the potential to significantly advance the knowledge of the field, by introducing new concepts or approaches and by opening new areas or research directions (if applicable); (2) the potential impact of the project and/or of the applied research directions explored in the project (if applicable) on the scientific, social, economic or cultural environment.

C4. *Methodology*. The research methodology will be described in detail, by mentioning key milestones of the research, when possible. The following aspects will be particularly underlined in this section: (1) the choice of the investigation methodologies and tools and their use to address the problem proposed in the context of the state-of-the art in the field; (2) the design of the work plan and the timelines proposed in relation to the project objectives; (3) the potential risks that may arise during the project implementation and the approaches proposed to mitigate them.

C5. *Resources and budget*. The existing, relevant infrastructure available for the project implementation will be described, as well as the novel equipment to be acquired during the project (if the case). Please justify: (1) the time allocated to the project by each member of the project team, in person months, according to the work plan presented in C4; (2) the suitability of the project team and the research infrastructure to achieve the project objectives during the allocated time; (3) the necessity to acquire new equipment of great value (over 60.000 lei, VAT included), in relation to the project objectives; (4) the budget breakdown per category of expenses/ year.

**Notes**:

* The project is expected to start on the 4th of January 2021.
* The categories of eligible expenses are as follows: personnel, logistics, travel and overhead.
* The overhead represents 15% of the direct expenses. If higher than 15%, a detailed justification is compulsory and will be provided in the proposal.

**Budget Breakdown (lei)/year**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Category of expenses** | **2021**  **(lei)** | **2021**  **(lei)** | **2023**  **(lei)** | **Total**  **(lei)** |
| **Personnel** |  |  |  |  |
| **Logistics** |  |  |  |  |
| **Travel** |  |  |  |  |
| **Overhead** |  |  |  |  |
| **Total** |  |  |  |  |

**Budget Breakdown (EUR)/entire project**

|  |  |
| --- | --- |
| **Category of expenses** | **Total budget 2021 - 2023**  **(EUR)** |
| **Personnel** |  |
| **Logistics** |  |
| **Travel** |  |
| **Overhead** |  |
| **Total** |  |

1. Funding agency from OECD country [↑](#footnote-ref-1)
2. The prize was awarded by a legal entity from OECD country [↑](#footnote-ref-2)
3. Only 500 top universities, according to ARWU Ranking, [www.arwu.org](http://www.arwu.org) [↑](#footnote-ref-3)
4. The status of reviewer for journals is not taking into account for evaluation. [↑](#footnote-ref-4)