SCIENCE AND TECHNOLOGY DEVELOPMENT PROGRAMME –JOINT FUNDING OF DEVELOPMENT AND RESEARCH PROJECTS OF THE REPUBLIC OF SERBIA AND THE PEOPLE'S REPUBLIC OF CHINA FOR 2020-2022 PROJECT PERIOD

TITLE OF PROJECT PROPOSAL

Summary (up to 500 characters with spaces)

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Five key words:

Project record number (filled-in by Ministry’s staff):

Project duration in years (two or three years):

Name of accredited SRO proposing the project:

Project coordinator:

E-mail of project coordinator:

Field of research (select one of the following fields:

information and communication technologies;

medicine;

energy;

аgriculture;

food technology and

environmental science and technology)

1. **Research description** 
   1. Project objectives (3000 characters)

Provide a brief description of the issue to which the research is related. Please make an exhaustive list of specific objectives of the project you propose. The objectives should be realistic, clear, measureable, and achievable during the time of project duration with proposed resources. The objectives must be consistent with the expected application and effects (impact) of the project.

Please state which thematic framework and topic from the public call the project proposal refers to. If it is of importance, describe the interdisciplinary of the project. Describe in which manner the results of your project will make difference compared to the situation in the field.

* 1. Describe and explain the concept of the proposed research (3000 characters with spaces)

Please state the basic ideas, models, hypotheses and assumptions which are the basis of your project. Describe the scientific models to be used in order to achieve the objectives.

1. **Contribution of proposed research** 
   1. Describe the technological contributions (innovative potential) of the project. (2000 characters with spaces)

It is necessary to refer to the existing products, services and patents.

* 1. Describe the scientific contributions of your project compared to the current situation in the scientific field. (2000 characters with spaces)

Description should particularly indicate the innovation of the objectives, applied concepts, complexity of the issue tackled. Emphasize the innovation of the approach and method to be used in the research.

1. **Consortium excellence** 
   1. Competences of the coordinator of the Serbian part of the project.

Excellence should be shown in the total scientific activity with a special emphasis on the excellence for tackling the scientific issue which is the subject of the research (up to 2000 characters with spaces). Other data on the coordinator shall be provided in chapter 8.

* 1. Research Team from Serbia

Name of the institution from the Republic of Serbia:

Name and surname of the coordinator of Serbian Project Team:

E-mail of the coordinator of Serbian Project Team:

Please enter the researchers who participate in your project by entering data in the table below. Project coordinator should be listed in the row No 1. Engagement of researchers should be in line with the Law on Science and Research (“*Official Gazette RS”, No 49/2019*) and Labor Law *(“Official Gazette of the Republic of Serbia no. 24/05, 61/05, 54/09, 32/13,75/14,13/17 - CС, 113/17”).*

Project coordinator should previously obtain the consent from the researcher for work on the proposed project, as well as the consent of the scientific research organization.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Name, middle initial, surname of researcher | Educational or scientific title | Date of birth | SRO Name |
|
| **1.** |  |  |  |  |
| **2.** |  |  |  |  |
| **3.** |  |  |  |  |
|  |  |  |  |  |

* 1. Research Team from the PR of China

Name of the institution from the PR of China:

Name and surname of the coordinator of Chinese Project Team:

E-mail of the coordinator of the Chinese Project Team:

List of researchers from the Chinese institution.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Name and surname of researcher | Educational or scientific title | Date of birth | SRO Name |
|
| **1.** |  |  |  |  |
| **2.** |  |  |  |  |
| **3.** |  |  |  |  |
|  |  |  |  |  |

1. **Implementation** 
   1. Working Plan
      1. Provide a brief description of the entire **project structure.** The project can be divided into several complete subprojects. Each proposal must contain the subproject named Project Management and which carries No 1. Each subproject should be divided into tasks. (3000 characters with spaces- for section 4.1.1.)
      2. Detailed description of work through subprojects.

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| Name of subproject: **Project Management** |
| Ordinal number of subproject: 1 |
| Month of beginning of subproject (in the interval from 1 to 36): |
| Month of completion of subproject (in the interval from 1 to 36): |
| List of researchers who participate in the project realization:   1. Name and surname of researcher from Serbia or China 2. Name and surname of researcher from Serbia or China |
| Subproject description (up to 2000 characters with spaces): |
| Subproject objectives (up to 2000 characters with spaces): |
| Task 1 |
| Task name:  Task description (up to 500 characters with spaces):  List of results:  1.1. Result name  1.2. Result name  1.3. |
| Task 2 |
| Task name:  Task description (up to 500 characters with spaces):  List of results:  2.1. Result name  2.2.  2.3. |
| Add more tasks, if necessary |
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| Subproject title: |
| Ordinal number of subproject: 2 |
| Month of beginning of subproject (in the interval from 1 to 36): |
| Month of completion of subproject (in the interval from 1 to 36): |
| List of researchers who participate in the project realization:   1. Name and surname of researcher from Serbia or China 2. Name and surname of researcher from Serbia or China |
| Subproject description (up to 2000 characters with spaces): |
| Subproject objectives (up to 2000 characters with spaces): |
| Task 1 |
| Task name:  Task description (up to 500 characters with spaces):  List of results:  1.1. Result name (for example Laboratory installation prototype)  1.2.  1.3. |
| Task 2 |
| Task name:  Task description (up to 500 characters with spaces):  List of results:  2.1. Result name  2.2.  2.3. |
| Add more tasks, if necessary |

* + 1. Provide a description and present a time plan (Gantt chart) of the realization of individual project parts (subprojects and tasks). (2000 characters, without taking into account the Gantt chart)
  1. Results exploitation plan (3000 characters with spaces).

Provide a description of the results exploitation plan specifically for innovations for which are proposed to be the research results. Describe the manner of knowledge and innovation management ( intellectual rights management, knowledge transfer, results exploitation in other organizations, launching of *Spin off* companies, regulate with contracts on intellectual property rights between the research implementers, according to the Law on Science and Research (“*Official Gazette RS”, No 49/2019*) and Law on Patents (“*Official Gazette RS”,* 99/2011, 113/2017 – other law 95/2018 and 66/2019).

Describe how the intellectual rights will be shared between the Chinese and Serbian side.

* 1. Description of beneficiaries of project results – participants (economy, organizations, state or other institutions) (3000 characters with spaces)

Description of beneficiaries of project results (economy, organizations, state own or other institutions). Provide a brief profile of results beneficiaries. Explain the motive of each beneficiary independently to participate in the project. For each result beneficiary define which human and material resources will be engaged on the project and to which extent. Define on which tasks from the working plan the results beneficiaries will participate.

Provide data on every results beneficiary, as well as on the amount and type of participation.

|  |  |
| --- | --- |
| Identification number |  |
| Code in BRA (Business Registers Agency) or in other relevant register |  |
| Company/organization name |  |
| Status |  |
| Phone |  |
| Е-mail of the person in charge |  |
| Title of the person in charge |  |
| Name and surname of the person in charge |  |
| Function of the person in charge |  |
| Street and number |  |
| Zip code |  |
| Place |  |
| Number of associates |  |
| Activity code |  |
| Ownership status |  |
| Available equipment |  |
| Participation in work |  |
| Participation in material |  |
| Participation in money |  |

* 1. Describe critical risks in research which might jeopardize achieving the project objectives. State the measures for risk reduction (alternative solutions, engagement of other resources, application in the order of realization of some elements in the working plan, etc.).

For each potential risk, provide:

* Risk description
* Proposed measures for risk reduction

1. **Effects of project results** 
   1. Describe which effects the research and project results will have on science. (2000 characters with spaces)
   2. Describe which impact the research and project results will have on economy in general, in particular on Serbian economy. (2000 characters with spaces)
   3. Describe which impact the research and project results will have on society in general, in particular in the region. (2000 characters with spaces)
2. **Ethics**

If the project realization can cause any ethical or legal issue, it is necessary to describe the issue and the manner of solving it. (3000 characters with spaces).

1. **Project budget proposal**

Define the budget necessary for the realization of the Serbian part of the project itemized in the table below within the maximum amount of 200000 USA$. The costs of work should be planned according to the national regulations regarding funding of scientific research work of researchers (for PhD students and researchers not hired on national projects and not employed for an indefinite period of time), i.e. labour regulations.

**BUDGET PROPOSAL FOR PROJECT REALISATION**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ESTIMATION OF FUND SOURCES (thousands of dinars） | | | | IN TOTAL PER SOURCE： | |
| INTENTION TO APPLY AT THE MINISTRY IN THE AMOUNT OF | | | |  | |
| SELF-FUNDING | OTHER FUNDS (INCLUDING CO-FINANCING FROM PTOVINCE; LOCAL COMMUNITY, ETC.) | | |  | |
| OWN FINANCINAL FUNDS | | |  | |
| **OTHER** | | |  | |
| OTHER TYPE OF CO-FINANCING | | | |  | |
| EXPENDITURES (THOUSAND OF DINARS) | | | TOTAL EXPENDITURES： | | |
| **TOPIC** | | **TOTAL** | **MINISTRY** | **SELF-FUNDING** | **OTHER TYPE OF CO-FINANCING** |
| 1. DIRECT COSTS | |  |  |  |  |
| 1．COSTS OF EQUIPMENT INCLUDING THE INSTALLATION | |  |  |  |  |
| 2．COSTS OF MATERIAL | |  |  |  |  |
| 3．COSTS OF SERVICES | |  |  |  |  |
| 4．COSTS OF TECHNOLOGY IMPORT | |  |  |  |  |
| 5．TRAVEL COSTS IN SERBIA | |  |  |  |  |
| 6．COSTS OF COOPERATION AND EXCHANGE | | | | | |
| COSTS OF STAFF’S STAY IN CHINA | |  |  |  |  |
| COSTS OF CHINESE EXPERTS’S STAY IN SERBIA | |  |  |  |  |
| 7．PUBLISHING/PUBLICATIONS/PUBLISHING OF RESULTS/PROTECTION OF INTELECTUAL PROERTY RIGHTS | |  |  |  |  |
| 8. LABOUR COSTS | |  |  |  |  |
| 9．OTHER COSTS | |  |  |  |  |
| （2）INDIRECT COSTS | |  |  |  |  |

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| --- | --- | --- | --- |
| **Verification of implementer’s application** | | | |
| **Ordinal no** | **Name of accredited SRO** | **M.P.** | **Signature of director/dean** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
|  | **Add or delete rows, if necessary** |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Verification of participant’s application** | | | | |
| **Ord. no** | **Participant** | **M.P** | **Name and surname of authorized person** | **Signature of director/dean** |
| 1. |  |  |  |  |
| 2. |  |  |  |  |
| 3. |  |  |  |  |
|  | **Add or delete rows, if necessary** |  |  |  |

1. **Coordinator of Serbian part of the project**

**CV of Serbian project coordinator**

**Name and surname**

Academic or scientific title

Affiliation

**EDUCATION**

**PARTICIPATION IN NATIONAL PROJECTS**

**PARTICIPATION IN INTERNATIONAL PROJECTS**

**PARTICIPATION IN BILATERAL PROJECTS**

**COORDINATION OF NATIONAL PROJECTS**

**COORDINATION OF INTERNATIONAL PROJECTS**

**COORDINATION OF BILATERAL PROJECTS**

**PARTICIPATION IN OTHER PROJECTS (TEMPUS, ERASMUS, IPA…)**

**REVIEWER OF JOURNAL PAPERS**

**MEMBERSHIP IN PROGRAMCOMMITTEE OF CONFERENCES**

**MENTOR OF STUDENTS WHO HAVE DEFENDED PhD THESIS**

**BOOKS, MONOGRAPHS AND CHAPTERS IN BOOKS AND MONOGRAPHS (NO TEXTBOOKS)**

**EDITOR OF JOURNALS, PROCEEDINGS AND BOOKS**

**THE TEN MOST IMPORTANT REFERENCES RELATED TO THE PROJECT**

**LIST OF SCIENTIFIC RESULTS IN THE PREVIOUS 5 YEARS** (Start with the most recent and proceed to the oldest)

**Journal papers**

**Conference papers**

**Technical solutions**

**Patents**

1. **CV of Chinese project coordinator**

**Name and Surname**

Academic or scientific position

Affiliation

**EDUCATION**

**PARTICIPATION IN NATIONAL PROJECTS**

**PARTICIPATION IN INTERNATIONAL PROJECTS**

**COORDINATION OF NATIONAL PROJECT**

**COORDINATION OF INTERNATIONAL PROJECT**

**NON SCIENTIFIC PROJECT (TEMPUS, ERASMUS, IPA…)**

**REWIEVER OF JOURNAL PAPERS**

**MEMBERSHIP IN THE PROGRAM COMMITTEES OF CONFERENCES**

**MENTOR OF PHD STUDENTS**

**BOOKS AND CHAPTERS**

**EDITOR OF JOURNALS, PROCEEDINGS AND BOOKS**

**THE TEN MOST IMPORTANT REFERENCES RELATED TO THE PROJECT**

**LIST OF SCIENTIFICS RESULTS IN LAST 5 YEARS** (Start with the most recent and proceed to the oldest)

**Journal papers**

**Conference papers**

**Technical solutions**

**Patents**