

**Competition documentation for an open public competition for grants from the Russian Science Foundation in the priority area of its activities “Fundamental and Exploratory Scientific Research on the Instructions of the President of the Russian Federation” (leading scientists)**

1. The competition for grants from the Russian Science Foundation in the priority area of its activities “Fundamental and Exploratory Scientific Research on the Instructions of the President of the Russian Federation” (leading scientists) (hereinafter the “competition”, “grants”) is carried out in accordance with the Procedure for Competitive Selection of Scientific and Technical Programmes and Projects Presented at the Foundation’s Competition and Based on the Decision of the Management Board of the Russian Science Foundation (hereinafter the “Foundation”) (Minutes No. 18 dated 14 October 2019).

2. The source of the Foundation’s grants will be the assets of the Russian Science Foundation.

3. Grants will be allocated for scientific and technical programmes and projects involving fundamental and exploratory scientific research (hereinafter the “projects”, “research”) in 2020 to 2022 in the following branches of knowledge:

01 Mathematics, Computer Science and Systems Sciences

02 Physics and Space Sciences

03 Chemistry and Materials Sciences

04 Biology and Life Sciences

05 Basic Research for medicine

06 Agricultural Sciences

07 Earth Sciences

08 Humanities and Social Sciences

09 Engineering.

4. The competition is open to projects by research teams irrespective of the position, academic degree and citizenship of the leader of the research team (hereinafter the “project leader”) and the type of business organisation and ownership of the organisations that have civil or professional association with the project leader and members of the research team.

To be eligible for the competition, the project must involve, on an annual basis<sup>1</sup>, at least two leading scientists with at least ten different publications<sup>2</sup> on the research topic in Russian and international peer-reviewed scientific journals indexed in the Web of Science Core Collection or Scopus<sup>3</sup> over the five years preceding the leading scientist’s inclusion in the research team. The researcher’s place of employment or permanent residence may not be in the region of the Russian Federation where the organisation is located or bordering on such region.

These leading scientists<sup>4</sup> shall, as part of the project, pay short-term visits (with a duration of at least one month) to the organisation: at least one visit by each leading scientist per year and a total of two to three visits by various leading scientists per year for giving lectures or participating in (and/or organising) seminars, young researchers’ schools focused on the research topic and conducting research on the project.

5. Grants for the research team’s project will be provided to the project leader on a free and non-refundable basis according to the competition results on the terms specified by the Foundation through Russian research and higher education organisations, other Russian organisations entitled to carry out scientific research under their constituent documents, and international (inter-state and

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<sup>1</sup> Leading scientists shall carry out work on the project based under an employment or civil contract (including on a free basis).

<sup>2</sup> Each publication in journals indexed in the database of the Web of Science Core Collection or Scopus that fall into the first quartile (Q1) according to the JCR Science Edition or JCR Social Sciences Edition impact factors, by SJR (determined based on the <http://www.scimagojr.com/> database) is counted as two publications. The Q1 status of a journal is specified in clause 2.9 of form 2 in Appendix 1.

<sup>3</sup> The list of publications is provided in clause 2.9 of form 2 in Appendix 1.

<sup>4</sup>In 2021–2022, leading scientists may be replaced.

intergovernmental) Russia-based research organisations where the projects will be implemented (hereinafter the “organisation”).

6. A researcher serving as the leader of a project (except for one selected by the Foundation as part of competitions coordinated with international partners) that previously received support from the Foundation and was not completed by 1 January 2020 is not eligible to be the project leader.

A researcher disqualified<sup>5</sup> as a project leader following their refusal to lead a project previously supported by the Foundation and/or following early termination of a project previously supported by the Foundation by decision of the Foundation’s management board is not eligible to be the project leader.

7. A researcher in any way involved in implementing two<sup>6</sup> or more projects supported by the Foundation but not yet completed when the researcher was included in the project that wins this competition is not eligible to be a member of the research team.

An employee of an organisation acting as an immediate administrative superior of the project leader is not eligible to be a member of the research team.

A researcher disqualified<sup>7</sup> as a core investigator or leading scientist following early termination of a project previously supported by the Foundation by decision of the Foundation’s management board is not eligible to be a core investigator or a leading scientist.

8. The project leader and research team members may be employees of the organisation or other persons who have been engaged to implement the project and who have professional or civil relations with the organisation during practical implementation of the project. The project leader must have<sup>8</sup> employment relations with the organisation throughout practical implementation of the project and the employment contract may not provide for the project leader to work remotely.

9. The project leader must have at least ten different publications<sup>9</sup> on the research topic in Russian and international peer-reviewed scientific journals indexed in the Web of Science Core Collection or Scopus<sup>10</sup> database and published between<sup>11</sup> 1 January 2015 and the application date.

10. The grant amount will be from 5 (five) to 8 (eight) million roubles a year<sup>12</sup>.

11. The Foundation may alter the amount of annual funding if the Foundation’s assets do not suffice to meet the funding obligations, a relevant decision is made by the Foundation’s management board following a review of applications submitted for the competition, reports on project implementation and proper use of the grant, or if the grant is found to be used inappropriately.

12. The share of research team members aged up to and including 39 years directly involved in scientific research must be at least 50 (fifty) per cent of the total number of research team members throughout practical implementation of the project<sup>13</sup>.

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<sup>5</sup> The list of grounds for project leader disqualification is available on the Foundation’s website at [www.rscf.ru](http://www.rscf.ru) in the *Selected Resolutions of the Supervisory Board* subsection of the *Documents* section.

<sup>6</sup> The leader of any of the Foundation’s projects may, at the same time, lead one project selected by the Foundation when holding competitions coordinated with foreign partners and take part in one of the Foundation’s projects as an investigator.

<sup>7</sup> The list of grounds for core investigator disqualification is available on the Foundation’s website at [www.rscf.ru](http://www.rscf.ru) in the *Selected Resolutions of the Supervisory Board* subsection of the *Documents* section.

<sup>8</sup> The project leader receives the right to manage the Foundation’s grant upon amendments (if required) to the existing employment contract with the organisation in accordance with the agreement between the Russian Science Foundation, the project leader and the organisation on provision of the grant to conduct fundamental and exploratory scientific research (hereinafter the “agreement”) or upon the project leader entering into an employment contract (fixed-term employment) with the organisation in accordance with the agreement.

<sup>9</sup> Each publication in journals indexed in the database of the Web of Science Core Collection or Scopus that fall within the first quartile (Q1) by the JCR Science Edition or JCR Social Sciences Edition impact factors, by SJR (determined based on the <http://www.scimagojr.com/> database) is counted as two publications. The Q1 status of a journal is specified in clause 2.9 of form 2 in Appendix 1.

<sup>10</sup> The list of publications is provided in clause 2.9 of form 2 in Appendix 1.

<sup>11</sup> Persons who, during the period described in this clause, were on maternity leave, childcare leave or adoption leave may also have the said publications in the period preceding 1 January 2015 and equal to the duration of the leaves.

<sup>12</sup> The planned funding amount is shown in clause 1.8 of form 1 in Appendix 1. A violation of the terms of this clause will result in the application’s rejection at any stage.

<sup>13</sup> Members of the research team are listed in clause 1.6 of form 1 in Appendix 1. Any violation of the terms of this clause will result in the application’s rejection at any stage.

Each member of the research team will receive<sup>14</sup> annual remuneration for their work as part of the project.

The total annual remuneration per research team member must not exceed 30 per cent of the total annual remuneration for all the research team members<sup>15</sup>.

The annual remuneration for research team members aged up to and including 39 years must be at least 35 per cent of the total annual remuneration for all the research team members.

The total number of research team members (including the project leader) may not exceed ten<sup>16</sup>.

13. The project leader may<sup>17</sup>, in their capacity, submit only one<sup>18</sup> application for the competition<sup>19</sup>. The number of projects financed by the Foundation through one organisation is not limited.

14. Projects that are similar in content to another project<sup>20</sup> submitted concurrently for competitions of the Foundation, other research foundations or organisations, or that is currently under implementation using funding from foundations or organisations, state (municipal) task or development programmes financed out of the federal budget will not be accepted. Violations of these terms will cause the Foundation to discontinue funding irrespective of the project's stage and to initiate proceedings for recovering the full amount of grants paid.

15. Projects supported as a result of the competition may not contain information that constitutes state secrets or other restricted information requiring protection in accordance with the laws of the Russian Federation.

16. The Foundation provides grants on the condition that the research team represented by its project leader assumes the following obligations:

16.1 To make the results of their research available in the public domain in accordance with the laws of the Russian Federation by publishing them in Russian and international peer-reviewed scientific journals.

16.2 To publish<sup>21</sup>, during practical implementation of the project, at least ten articles containing project research results in Russian and international peer-reviewed scientific journals<sup>22</sup> indexed in the Web of Science Core Collection or Scopus database.

16.3 When publishing results of any research project completed as part of a project supported by the Foundation, to refer to the financial support received from the Foundation and to the organisation.

16.4 To agree that a summary of the supported project and respective project implementation reports will be published by the Foundation, including on the Internet.

16.5 To agree that the application submitted for the competition may be subject to international expert evaluation.

17. The project leader shall use the appropriate forms provided in Appendix 1 to this competition documentation for submitting the applications electronically (via the Foundation's Information and Analysis System (hereinafter the "IAS") and in hard copy (printed from the IAS). The two copies must

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<sup>14</sup> Persons who are not tax resident in the Russian Federation may carry out work under the Project on a pro bono basis.

<sup>15</sup> Including guarantees provided for by the laws of the Russian Federation, contributions to mandatory pension insurance, mandatory health insurance, and mandatory social insurance to cover potential temporary disability and maternity leave, and mandatory social insurance against industrial accidents and occupational diseases.

<sup>16</sup> The number of research team members is given in clause 1.6 of form 1 in Appendix 1.

<sup>17</sup> The number of projects where this project leader is an investigator is not limited.

<sup>18</sup> Any violation of the terms of this clause will result in the application's rejection at any stage.

<sup>19</sup> If the project leader is, in their capacity, involved in several concurrent competitions run by the Foundation, they shall, together with the second and subsequent applications, provide a report to the Foundation stating their priorities with respect to implementation of the projects submitted to the Foundation, taking into account the limitations imposed by clause 6 of this competition documentation. The report is to be generated by the IAS automatically based on the priorities selected by the project leader and be printed out, signed and submitted to the Foundation as part of the application.

<sup>20</sup> Projects that are similar in terms of objectives, goals, targets, subjects, research methodologies, and deliverables. The review is carried out by the Foundation's expert council.

<sup>21</sup> The number of planned publications is shown in clause 1.9 of form 1 in Appendix 1.

<sup>22</sup> Each publication in journals indexed in the database of the Web of Science Core Collection or Scopus that fall into the first quartile (Q1) by the JCR Science Edition or JCR Social Sciences Edition impact factors, by SJR (determined based on the <http://www.scimagojr.com/> database) is counted as two publications.

be identical in content. Applications are to be submitted to the Foundation in Russian, with selected fields of the application forms to be completed in English (only where so indicated).

If there is an existing agreement between the Foundation and the organisation to deem a simple electronic signature as being equivalent to a handwritten signature, the application may be submitted as an electronic document signed with a simple electronic signature.

18. Applications must be completed using the Foundation's IAS at <https://grant.rscf.ru><sup>23</sup>. Once an IAS registration number is assigned, the project leader will print and submit<sup>24</sup> one copy of the application and additional materials (if the application is submitted electronically, signed with a simple digital signature by the organisation's authorised representative and sent to the Foundation for processing) to the Foundation **no later than 5:00 p.m. (Moscow time) on 20 December 2019** to the Foundation's address at 14, building 3, Solyanka St., Moscow, GSP-2, 109992. The project leader independently chooses the method for delivering the application materials to the Foundation to ensure that they are received by the Foundation in due time.

19. The hard copy<sup>25</sup> of the application (including its additional materials) must be bound and bear the organisation's seal (if any) and the relevant forms must be personally signed (with signatory names printed next to the signature) by the project leader, core members of the research team (core investigators), and head of the organisation (authorised representative acting on the basis of a power of attorney or an executive document)<sup>26</sup>.

20. Applications submitted to the Foundation will not be returned.

21. The following applications will not be eligible for the competition:

- a) applications completed and/or submitted to the Foundation in violation of the requirements of clauses 17, 18, and 19 of this competition documentation;
- b) applications completed and submitted to the Foundation in violation of the requirements on the content of the competition application as set forth in the competition announcement and in the competition documentation;
- c) applications with hard copy versions differing from the electronic version registered in the IAS;
- d) applications, the hard copy versions of which were received<sup>27</sup> by the Foundation after the agreed submission deadline;
- e) applications, the contents of which violate the requirements of clauses 3–7, 9, 10, 12–16, and 36 of this competition documentation, including the qualification requirements set forth by clause 9 of the competition documentation;
- f) applications containing inconsistent information regarding the applicants' confirmation of compliance with qualification requirements, namely in clause 2.9 of form 2 in Appendix 1.

22. The Foundation will notify the project leader via the IAS about registration of the application, receipt of the hard copy of the application and the results of the competition.

23. The project leader will be entitled to withdraw an application submitted for the competition provided that the Foundation is duly notified in writing.

24. The project leader is entitled to make changes to an application submitted for the competition only by withdrawing it in accordance with clause 23 of this competition documentation and by submitting a new application by the agreed deadline.

25. Applications eligible for the competition will undergo expert evaluation in accordance with the Procedure for Expert Evaluation of Scientific and Technical Programmes and Projects Presented at the Competition of the Russian Science Foundation, and the Criteria for Competitive Selection of

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<sup>23</sup> The application completion cycle consists of the following stages: registering the project leader and up to three core members of the research team (if this has not been done yet), filling in information about the project leader and core members of the research team in the IAS, preparing and then registering the application.

<sup>24</sup> The Foundation accepts applications on business days from 9:00 a.m. to 5:00 p.m. Moscow time.

<sup>25</sup> If the application is not submitted electronically.

<sup>26</sup> Should the application be signed by an authorised representative, a copy of the executive document or power of attorney certified by the organisation's seal must be attached to the hard copy of the application.

<sup>27</sup> Irrespective of the date on which they were sent and/or the reasons for their late arrival at the Foundation.

Scientific and Technical Programmes and Projects Presented at the Competition of the Russian Science Foundation<sup>28</sup>. Applications will be referred for expert evaluation in accordance with the classifier codes for the branches of knowledge specified by the project leaders in their applications.

**26.** The competition results will be approved by the Foundation's management board **by 1 April 2020.**

27. The list of supported projects based on the competition results will be published on the Foundation's website within ten days of the competition results being determined (approved).

28. The texts of the agreements will be sent to the leaders of the projects supported by the Foundation via the IAS within 15 business days of the competition results being approved. The agreements will specify:

- the area of research;
- the work plan and cost estimate<sup>29</sup> for the research;
- the obligation of the project leader to submit an annual report on project implementation;
- the obligation of the organisation to provide the research team with the requisite facilities, equipment and supplies, and access to the existing experimental base for scientific research;
- the obligation of the organisation to sign civil or employment (fixed-term) contracts<sup>30</sup> with each member of the research team in line with the conditions of the grant;
- the obligation of the organisation to remunerate members of the research team for their work on the project, upon written instructions from the project leader;
- the obligation of the organisation to maintain separate records of grant expenditures (including overhead expenses under the Foundation's grant) and to present reports on proper use of the grant;
- the conditions and procedures for the parties to terminate the agreement and/or return (return in part) the grant funding, including if the Foundation identifies misuse of the grant funds or some of the grant funds remain unused after the agreement expires;
- other rights and obligations of the Foundation, project leader and organisation related to use of the grant.

29. The amount of financial support provided by the Foundation for the project as stated in the agreement may be reduced compared to the amount requested by the project leader by decision of the Foundation's management board based on recommendations from the Board's expert council.

30. The Foundation may not sign an agreement stating a project leader different from the one stated in the relevant application materials that have undergone expert evaluation.

31. Once the draft agreement is received via the IAS, the project leader and authorised representative of the organisation will have 15 business days to sign the agreement (if the application has been submitted electronically, a hard copy of the application and additional materials complying with clauses 17 and 19 of this competition documentation will also be provided) or provide a substantiated refusal of the project leader or organisation to sign and submit the agreement to the Foundation. The project leader will choose independently the method for delivering the signed agreement to the Foundation to ensure that it is received by the Foundation in due time. If this deadline is not met, the Foundation will notify the project leader and the organisation of the unacceptable delay in signing the agreement. If a duly signed agreement is not received by the Foundation within the next five business days, the project will be excluded from the list of projects supported by the Foundation and a notice to that effect will be published on the Foundation's official website.

32. The grant may be used solely for the purposes<sup>31</sup> specified in the agreement.

33. Misuse of the grant constitutes grounds for terminating the agreement and/or returning (returning in part) the grant in the manner prescribed by the agreement.

34. Intellectual products created in the course of the project belong to the project investigators<sup>32</sup>.

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<sup>28</sup> The documents are available on the Foundation's website at [www.rscf.ru](http://www.rscf.ru) in the *Documents* section.

<sup>29</sup> For reference purposes.

<sup>30</sup> If no such contracts have been signed yet.

<sup>31</sup> Grant funds may not be spent on construction of capital facilities, educational activities, organisation and holding of any scientific or educational events (apart from those provided for by clause 4 of the competition documentation).

The Russian Federation may use the intellectual products created during the project for government needs on the basis of a royalty-free, non-exclusive licence provided by the right owners to the state licensee, with the latter paying remuneration to the intellectual right owners.

35. The organisation will be liable for improper use of the grant.

36. The organisation's overhead expenses may not exceed ten per cent of the grant. Payment for research work performed by third-party organisations for completing the research project may not exceed 15 per cent of the grant.

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<sup>32</sup> In accordance with article 1228 of the Civil Code of the Russian Federation, the author of the intellectual products must be the person who has created the results through their creative work; rights to intellectual products arising from creative work will be held by the author; the rights may be transferred by the author to another person under a contract and may also be transferred to other persons on other grounds provided for by law (including in accordance with clause 1370 of the Civil Code of the Russian Federation, whereby exclusive rights to an employee's invention, utility model or design solution and the rights to obtain a patent will belong to the employer unless a civil contract between the employee and the employer provides otherwise).

**Form “C”. Cover sheet of application to the Russian Science Foundation 2020 competition “Fundamental and Exploratory Scientific Research on the Instructions of the President of the Russian Federation” (leading scientists)**

Project name	Project number	
	Project type: LR	
	Branch of knowledge:	
	Main classifier code:	
	Additional classifier codes:	
SRSTI code:		
Project leader’s full name (including patronymic if available):	Project leader’s contact telephone number and e-mail:	
Full and short name of the organisation to be used for project funding:		
Project funding (thousand RUB) in 2020: _	Project start year: 2020	Project end year: 2022
Full names (including patronymic if available) of		
core <sup>33</sup> investigators		
leading scientists <sup>34</sup>		
I hereby guarantee that the copyrights or other rights of third parties have not been infringed upon during the preparation of this application and/or the right owners have consented to the materials being submitted to the Foundation and used thereby for expert evaluation and publication (in the form of application summaries).		
Signature of the project leader _/_	Application registration date	
Signature of the head of the organisation <sup>35</sup> _/_		
Organisation’s seal (if any)		

<sup>33</sup>Up to three core investigators, irrespective of the total number; the project leader is not to be included here.

<sup>34</sup> Between one (if the project leader is also a leading scientist in line with clause 4 of the competition documentation) and three leading scientists. If the number of leading scientists is in violation of clause 4 of the competition documentation, this constitutes grounds for the application to be rejected.

<sup>35</sup> Or an authorised representative acting on the basis of a power of attorney or an executive document. If the form is signed by an authorised representative of the organisation (including a head of branch), a copy of the relevant executive document or power of attorney certified by the organisation’s seal must be submitted in addition to the hard copy of the application. Failure to submit a copy of an executive document or power of attorney if the form is signed by an authorised representative of the organisation, or absence of the name printed next to the signature constitutes grounds for the application to be rejected.

## Information about the project

### 1.1. Project name

*in Russian*

*in English*

### 1.2. Priority area for development of science and technologies in the Russian Federation, critical technology<sup>36</sup>

Area from the Strategy for Scientific and Technological Development of the Russian Federation (approved by Decree No. 642 of the President of the Russian Federation dated 1 December 2016 “On the Strategy for Scientific and Technological Development of the Russian Federation”) (*if any*)

### 1.3. Keywords (no more than 15 terms)

*in Russian*

*in English*

### 1.4. Project summary<sup>37</sup> (no more than two pages, including a brief description of the relevance and scientific novelty)

*in Russian*

*in English*

### 1.5. Expected results and their significance<sup>38</sup> (indicate expected results and their scientific and social significance (compliance by the expected results with international standards of research and practical potential of the results in the economy and social sector))

*in Russian*

*in English*

### 1.6. The research team<sup>39</sup> will include:

\_\_\_\_ investigators participating in the project<sup>40</sup> (including the project leader), including

\_\_\_\_ investigators aged under 39 years, including:

\_\_\_\_ full-time post-graduate students, adjuncts, interns and students.

### 1.7. The planned composition of the research team indicating the full names (including patronymics if available) of the team members, their age at the time of application submission, their academic degrees, positions, primary workplaces and forms of relations with the organisation (employment contract, civil contract) during implementation of the project.

Alignment of the professional level of the members of the research team with the tasks involved in the project.

*in Russian*

*in English*

### 1.8. The Foundation’s planned project financing by year (in thousand RUB): 2020 – \_\_\_\_\_, 2021 – \_\_\_\_\_, 2022 – \_\_\_\_\_<sup>41</sup>.

### 1.9. Based on the project results and during project implementation, the research team plans to

<sup>36</sup> Specified according to the list (Decree No. 899 of the President of the Russian Federation dated 7 July 2011) if the research topic can be classified under one of the priority areas and contribute to development of critical technologies in the Russian Federation.

<sup>37</sup> This information may be published on the Foundation’s website on the Internet.

<sup>38</sup> This information may be published on the Foundation’s website on the Internet.

<sup>39</sup> Any inconsistency in the composition of the research team (including failure to provide information in the relevant form fields) vs the requirements of clause 12 of the competition documentation constitutes grounds for rejecting the application.

<sup>40</sup> In accordance with the requirements of clause 12 of the competition documentation, the research team must consist of four to ten people, irrespective of whether the investigators have employment or civil relations with the organisation.

<sup>41</sup> Any inconsistency in the planned project funding (including failure to provide information in the relevant form fields) vs the requirements of clause 10 of the competition documentation constitutes grounds for rejecting the application.



publish<sup>42</sup> in Russian and international peer-reviewed scientific journals at least  
\_\_ publications, including  
\_\_ in journals indexed in the Web of Science Core Collection or Scopus  
database.

Information about planned journals, indicating the database in which these are indexed: Web of Science Core Collection, Scopus, Russian Citation Index, other databases, and also specifying the type of publication: article, review, abstracts, monograph, or others.

Other ways to make the results of the project publicly available.

1.10. Number of publications by members of the research team published over the period from 1 January 2015 to the application date, \_\_\_\_, including \_\_ published in journals indexed in the Web of Science Core Collection or Scopus.

1.11. Planned involvement of the research team in international collaborations (projects) (if any).

**The project leader confirms that**

- all members of the research team (including the project leader) satisfy clauses 6, 7, and 13 of the competition documentation;
- they will have employment relations with the organisation throughout the duration of project implementation;
- when publishing the results of any research work completed as part of a project supported by the Foundation, the project leader and the research team will refer to the financial support received from the Foundation and to the organisation, and agree that a summary of the supported project and relevant project implementation reports will be published by the Foundation, including on the Internet;
- the project will not have any other funding sources throughout the project's practical implementation using the Foundation's grant;
- the project is not similar in scope to any project concurrently submitted for competitions of research foundations and other organisations;
- the project contains no information that constitutes state secrets or other restricted information requiring protection in accordance with the laws of the Russian Federation;
- the share of research team members aged up to and including 39 years will be at least 50 (fifty) per cent of the total number of research team members throughout practical implementation of the project;
- the Foundation will be provided in a timely manner with annual reports about project implementation and targeted use of the grant;
- the project will involve leading scientists in line with clause 4 of the competition documentation on the competition procedure.

**Signature of the project leader**

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<sup>42</sup> Data must be provided for the entire project implementation period. Any reduction in the number of publications (including failure to provide information in the relevant form fields) vs the threshold set by clause 16.2 of the competition documentation constitutes grounds for rejecting the application.

## FORM 2

### Information about the project leader

- 2.1. Full name (including patronymic if available)  
*in Russian*  
*surname and initials in English*  
WoS ResearcherID<sup>43</sup> (if any)  
Scopus AuthorID<sup>44</sup> (if any)
- 2.2. Date of birth (*in figures – date, month, year*)
- 2.3. Citizenship
- 2.4. Academic degree, year conferred<sup>45</sup>
- 2.5. Research awards and prizes, membership of leading scientific communities (if any), involvement on editorial boards of leading peer-reviewed scientific journals (if any), involvement on organising committees or programme committees of renowned international conferences and other experience in organising international events.
- 2.6. Primary place of employment at the time of application submission – position and full name of the organisation (short name of the organisation)<sup>46</sup>.
- 2.7. Area of scientific interests – keywords (*no more than 15 keywords*)  
*in Russian*  
*in English*
- 2.8. Area of scientific interests – Foundation classifier codes
- 2.9. List of publications by the project leader over the period<sup>47</sup> from 1 January 2015 to the application submission date confirming compliance with the terms of clause 9 of the competition documentation<sup>48</sup>.  
*in English*<sup>49</sup>  
The list contains \_\_\_\_ publications in journals indexed in the Web of Science Core Collection or Scopus.  
The list contains \_\_\_\_ publications in journals that are Q1 journals by the JCR Science Edition or JCR Social Sciences Edition impact factors, by SJR<sup>50</sup>.
- 2.10. Main scientific results of the project leader since 1 January 2015 (*results must be confirmed by information from the application, e.g., publications*)  
*in Russian*

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<sup>43</sup> Available upon registration on [www.ResearcherID.com](http://www.ResearcherID.com).

<sup>44</sup> Scopus AuthorID is generated in the Scopus database automatically once the author has at least one publication in the database. AuthorID is shown in the author's profile, which can be seen by clicking on the name of the author in the Author Search results in Scopus.

<sup>45</sup> If the person has several academic degrees, specify the one that best matches the research topic.

<sup>46</sup> The project leader does not necessarily have to be an employee of the organisation at the time of application submission but must conclude an employment contract with the organisation if the application wins the competition. If the project leader is not a citizen of the Russian Federation, the organisation must perform all the procedures to comply with the laws of the Russian Federation regulating employment of foreigners.

<sup>47</sup> Persons who, during the period described in this clause, were on maternity leave, childcare leave, or adoption leave may also have the said publications in the period preceding 1 January 2015 and equal to the duration of the leaves.

<sup>48</sup> Links to publications in a number equalling the threshold set by the competition documentation must be sufficient. Each publication in journals indexed in the database of the Web of Science Core Collection or Scopus that fall into the first quartile (Q1) by the JCR Science Edition or JCR Social Sciences Edition impact factors, by SJR (determined based on the <http://www.scimagojr.com/> database) is shown as one publication in this clause but is counted as two publications. Please indicate that the journal is a Q1 journal and the specific year it is a Q1 journal. Any inconsistency in the number of publications (including failure to provide information in the relevant form fields or information about a journal's Q1 status) cited on the list and/or numerically on the line below vs the requirements of clause 9 of the competition documentation constitutes grounds for rejecting the application under subclause (f) of clause 21 of the competition documentation.

<sup>49</sup> For Russian language names, the information should be given in Russian and translated into English, and it must be clear that the same document is being cited (*e.g., add the word "translation"*).

<sup>50</sup> Q1 status is determined using the <http://www.scimagojr.com/> database.

*in English*

- 2.11. Total number of publications since 1 January 2015, \_\_\_\_, including:  
\_\_\_\_ publications in journals indexed in the Web of Science Core Collection or Scopus.
- 2.12. Additional list of publications by the project leader since 1 January 2015<sup>51</sup> (*monographs, legally protected intellectual products, publications in leading peer-reviewed scientific journals, publications in journals indexed in the Web of Science Core Collection or Scopus; no more than ten publications cited; if published on the Internet, a link should be provided (mandatory for publications in indexed journals); specify the impact factor of the scientific journal (according to the JCR Science Edition, JCR Social Sciences Edition or SJR), if any*)).

*in English*

- 2.13. Experience in research projects (*specify the names of the foundations (organisations), type of involvement, numbers, project names and completion period for the last five years*).

Including projects financed by the Russian Science Foundation (if any):

as the leader of project(s)<sup>52</sup> No. \_\_\_\_, No. \_\_\_\_.

as an investigator on project(s) No. \_\_\_\_, No. \_\_\_\_.

*in Russian*

*in English*

- 2.14. Planned involvement in research projects (in any position) in 2020. Total number – \_\_\_\_, including: as project leader – \_\_\_\_, as investigator – \_\_\_\_, specifically:

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*(also specify the grantors or project customers and funding source, e.g., government objective of founder, grants from the RFBR, PRF, Russian Science Foundation and other foundations and organisations, government contract (customer, programme), other economic contracts and other grants and subsidies).*

- 2.15. Share of working time planned to be devoted to managing this project if it wins the Foundation's competition – \_\_\_\_ per cent<sup>53</sup>.
- 2.16. Expected form of employment relationship with the organisation to be used for project funding:  
*The organisation will be the main place of work (not remote mode);  
Part-time employment contract (no remote mode);*
- 2.17. Involvement in educational activities over the last five years (*specify information about supervision of post-graduate students, adjuncts, and interns, and the preparation and teaching of new educational courses at Russian and foreign universities*).
- 2.18. Postal address
- 2.19. Contact telephone number
- 2.20. E-mail
- 2.21. Involvement in the project: project leader.  
Involvement in the project: leading scientist (yes/no).
- 2.22. File with additional information<sup>54</sup> (*CV, other additional information that might be useful in the opinion of the project leader for decision-making on whether it is advisable to finance the project*).

*in Russian (separate file) and English*

I have read and agree with the conditions of the Foundation's competition (including clauses 6 and 7 of the competition documentation) and confirm my participation in the project.

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<sup>51</sup> Not mandatory. Publications that indicate the project leader's scientific qualification and achievements may be cited, excluding publications provided for by clause 2.9 of this form.

<sup>52</sup> Or the leader of an area of the organisation's integrated research programme.

<sup>53</sup> I.e. from full-time employment under employment or civil relations, so involvement in free time other than primary employment must also be taken into account.

<sup>54</sup> One file in the pdf format, up to 3 Mb.

<b>Surname, first name and patronymic</b>	
<b>Identity document<sup>55</sup></b> <i>(series, number, issue date and issuing authority)</i>	
<b>Home address</b>	
<b>Personal Data Operator</b>	Russian Science Foundation
<p>I hereby consent<sup>56</sup> to the processing by the abovementioned personal data operator of the personal data I have personally provided on this application form.</p> <p>The processing of the personal data by the Russian Science Foundation (address: 12–14, building 3, Solyanka St., Moscow) may be carried out <b>in the form of</b> collecting, collating, accumulating, storing, clarifying, using, blocking, distributing on the official website of the Russian Science Foundation, transferring and destroying, <b>for the purpose of</b> examining applications for competitions held by the Russian Science Foundation, expert evaluation of projects and programmes financed by the Russian Science Foundation, preparation of analytical materials for competitions, long-term storage of documented information on participants in programmes that received funding from the Russian Science Foundation, public disclosure of information on the leaders of programmes and projects financed by the Russian Science Foundation in the public domain. This processing of my data may be carried out for 75 years from the date this printed form is completed. Storage of this form can be entrusted to OOO RAYSVOLF (107150, 22 Boitsovaya St., Moscow), which provides archival document storage services to the Russian Science Foundation. This consent may be revoked by lodging a request to terminate the processing of personal data at the address of the personal data operator shown above. The request will include the ID number of the personal data subject, information on the date of issue and the issuing body, and the personal signature of the personal data subject.</p>	

**Signature of project leader**

**Signing date**

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<sup>55</sup> Failure to provide ID data constitutes grounds for rejecting the application.

<sup>56</sup> Mandatory under Federal Law dated 27 July 2006 No. 152-FZ “Personal Data”.

**Information about the project's core  
investigator<sup>57</sup>**

- 2.1. Full name (including patronymic if available)  
*in Russian*  
*surname and initials in English*  
WoS ResearcherID<sup>58</sup> (if any)  
Scopus AuthorID<sup>59</sup> (if any)
- 2.2. Date of birth (*in figures – date, month, year*)
- 2.3. Citizenship
- 2.4. Academic degree<sup>60</sup>, year conferred
- 2.5. Research awards and prizes, membership of leading scientific communities (if any), involvement on editorial boards of leading peer-reviewed scientific journals (if any), involvement on organising committees or programme committees of renowned international conferences and other experience in organising international events.
- 2.6. Primary place of employment at the time of application submission – position and full name of the organisation (short name of the organisation).
- 2.7. Area of scientific interests – keywords (*no more than 15 keywords*)  
*in Russian*  
*in English*
- 2.8. Area of scientific interests – Foundation classifier codes
- 2.9. Total number of publications since January 1, 2015, \_\_\_\_, including:  
\_\_\_\_ publications in journals indexed in the Web of Science Core Collection or Scopus.
- 2.10. List of publications by the core investigator since 1 January 2015 (*monographs, legally protected intellectual products, publications in leading peer-reviewed scientific journals, publications in journals indexed in the Web of Science Core Collection or Scopus; no more than ten publications cited; if published on the Internet, a link should be provided (mandatory for publications in indexed journals); specify the impact factor of the scientific journal (according to the JCR Science Edition, JCR Social Sciences Edition or SJR), if any*).  
*in English*<sup>61</sup>
- 2.11. Experience in research projects and involvement in them (*specify the names of the foundations (organisations), type of involvement, numbers, project names and completion period for the last five years*).
- 2.12. Planned involvement in research projects (in any position) in 2020. Total number – \_\_\_\_, including: as project leader – \_\_\_\_, as investigator – \_\_\_\_, specifically:
- 
- (also specify the grantors or project customers and funding source, e.g., government objective of a founder, grants from the RFBR, PRF, Russian Science Foundation and other foundations and organisations, government contract (customer, programme), other economic contracts and other grants and subsidies).*
- 2.13. Share of working time planned to be devoted to involvement in this project if it wins the

<sup>57</sup> This form should be completed only by the core investigators referred to in form “C” (up to three people).

<sup>58</sup> Available upon registration on [www.ResearcherID.com](http://www.ResearcherID.com).

<sup>59</sup> Scopus AuthorID is generated in the Scopus database automatically once the author has at least one publication in the database. AuthorID is shown in the author's profile, which can be seen by clicking on the name of the author in the Author Search results in Scopus.

<sup>60</sup> If the person has several academic degrees, specify the one that best matches the research topic.

<sup>61</sup> For Russian language names, the information should be given in Russian and translated into English, and it must be clear that the same document is being cited (*e.g., add the word “translation”*).

Foundation's competition – \_\_\_\_\_ per cent<sup>62</sup>.

2.14. Involvement in educational activities (*specify information about supervision of post-graduate students, adjuncts and interns, and the preparation and teaching of new educational courses at Russian and foreign universities*).

2.15. In 2018 or 2019, involvement as leader of a project (leader of an area of the organisation's integrated research programme) financed by the Foundation or as an investigator on a project (the organisation's integrated research programme) financed by the Foundation, in the following projects (if any):

as leader of project(s) <sup>63</sup> No. \_\_\_\_\_, No. \_\_\_\_\_.

as an investigator on project(s) No. \_\_\_\_\_, No. \_\_\_\_\_.

2.16. Contact telephone number and e-mail.

2.17. Involvement in the project: core investigator of the project.

I have read and agree with the conditions of the Foundation's competition (including clauses 7 and 8 of the competition documentation) and confirm my participation in the project.

<b>Surname, first name and patronymic</b>	
<b>Identity document<sup>64</sup></b> ( <i>series, number, issue date and issuing authority</i> )	
<b>Home address</b>	
<b>Personal Data Operator</b>	Russian Science Foundation

I hereby consent<sup>65</sup> to the processing of the personal data I have personally provided on this application form by the abovementioned personal data operator.

The processing of the personal data by the Russian Science Foundation (address: 12–14, building 3, Solyanka St., Moscow) may be carried out **in the form of** collecting, collating, accumulating, storing, clarifying, using, blocking, distributing on the official website of the Russian Science Foundation, transferring and destroying, **for the purpose of** examining applications for competitions held by the Russian Science Foundation, expert evaluation of projects and programmes financed by the Russian Science Foundation, preparation of analytical materials for competitions, long-term storage of documented information on participants in programmes that received funding from the Russian Science Foundation, disclosure of information on the leaders of programmes and projects financed by the Russian Science Foundation in the public domain. This processing of my data may be carried out for 75 years from the date this printed form is completed. Storage of this form can be entrusted to OOO RAYSVOLF (107150, 22 Boitsovaya St., Moscow), which provides archival document storage services to the Russian Science Foundation. This consent may be revoked by lodging a request to terminate the processing of personal data at the address of the personal data operator shown above. The request will include the ID number of the personal data subject, information on the date of issue and the issuing body, and the personal signature of the personal data subject.

**Signature of the project's investigator**

**Signing date**

<sup>62</sup> I.e. from full-time employment under employment or civil relations, so involvement in free time other than primary employment must also be taken into account.

<sup>63</sup> Or the leader of an area of the organisation's integrated research programme.

<sup>64</sup> Failure to provide ID data constitutes grounds for rejecting the application.

<sup>65</sup> Mandatory under Federal Law dated July 27, 2006 No. 152-FZ "On Personal Data".

### Information about the leading scientist<sup>66</sup>

- 2.1. Full name (including patronymic if available)  
*in Russian*  
*surname and initials in English*  
 WoS ResearcherID<sup>67</sup> (if any)  
 Scopus AuthorID<sup>68</sup> (if any)
- 2.2. Citizenship
- 2.3. Academic degree, year conferred<sup>69</sup>
- 2.4. Research awards and prizes, membership of leading scientific communities (if any), involvement on editorial boards of leading peer-reviewed scientific journals (if any), involvement on organising committees or programme committees of renowned international conferences and other experience in organising international events.
- 2.5. Primary place of employment at the time of application submission – position and full name of the organisation.
- 2.6. Countries or constituent entities of the Russian Federation where the leading scientist's place (places) of employment and/or residence is located<sup>70</sup>: \_\_\_\_\_
- 2.7. Area of scientific interests – keywords (*no more than 15 keywords*)  
*in English*
- 2.8. Area of scientific interests – Foundation classifier codes
- 2.9. List of publications by the leading scientist published over the period from 1 January 2015 to the application submission date confirming compliance with the terms of clause 4 of the competition documentation<sup>71</sup>.  
*in English*<sup>72</sup>  
 The list contains \_\_\_\_ publications in journals indexed in the Web of Science Core Collection or Scopus.  
 The list contains \_\_\_\_ publications in journals that are Q1 journals by the JCR Science Edition or JCR Social Sciences Edition impact factors, by SJR<sup>73</sup>.  
 Main scientific results since 1 January 2015 (*results must be confirmed by information from the application, e.g. publications*)
- 2.10. Total number of publications since 1 January 2015,  
 \_\_\_\_ publications in journals indexed in the Web of Science Core Collection or Scopus.

<sup>66</sup> To be completed by the research team leader if there are arrangements in place to involve a leading scientist in the project. To be completed for each leading scientist excluding the project leader.

<sup>67</sup> Available upon registration at [www.ResearcherID.com](http://www.ResearcherID.com).

<sup>68</sup> Scopus AuthorID is generated in the Scopus database automatically once the author has at least one publication in the database. AuthorID is shown in the author's profile, which becomes visible upon clicking on the name of the author in the Author Search results in Scopus.

<sup>69</sup> If the person has several academic degrees, specify one that best matches the research topic.

<sup>70</sup> Any inconsistency in the leading scientist's places of employment and/or residence vs requirements of clause 4 of the competition documentation constitutes grounds for rejecting the application.

<sup>71</sup> Links to publications in the amount that equals the threshold set forth by the competition documentation shall be sufficient. Each publication in journals indexed in the database of the Web of Science Core Collection or Scopus that fall into the first quartile (Q1) by the JCR Science Edition or JCR Social Sciences Edition impact factors, by SJR (determined based on the <http://www.scimagojr.com/> database) is shown as one publication in this clause but is counted as two publications. Please indicate that the journal is a Q1 journal and the specific year it is a Q1 journal. Any inconsistency in the number of publications (including failure to provide information in respective form fields or information about a journal's Q1 status) cited in the list and/or numerically in the line below vs the requirements of clause 4 of the competition documentation constitutes grounds for rejecting the application under subclause (f) of clause 21 of the competition documentation.

<sup>72</sup> For Russian language names, the information shall be given in Russian with translation into English, and it must be clear that the same document is being cited (*e.g. add the word "translation"*).

<sup>73</sup> Q1 status is determined using the <http://www.scimagojr.com/> database.

- 2.11. List of publications since 1 January 2015<sup>74</sup> (*monographs, legally protected intellectual products, publications in leading peer-reviewed scientific journals, publications in journals indexed in the Web of Science Core Collection or Scopus; no more than ten publications cited; if published on the Internet, a link should be provided (mandatory for publications in indexed journals); specify the impact factor of the scientific journal (according to the JCR Science Edition, JCR Social Sciences Edition or SJR), if any*)).  
*in English*
- 2.12. Number of planned visits (of at least one month) in 2020 – \_\_\_\_, in 2021 – \_\_\_\_, in 2022 – \_\_\_\_.
- 2.13. E-mail
- 2.14. Involvement in the project: leading scientist

**I hereby confirm information about the leading scientist.**

**Signature of the project leader**

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<sup>74</sup> Not mandatory. Publications indicating scientific qualifications and achievements may be cited.



**Information about the organisation**  
(for the organisation via which the funding is provided)

- 3.1. Full name (*in accordance with registration documents*)
- 3.2. Short name
- 3.3. Name in English
- 3.4. Form of incorporation (*specify using the OKOPF classifier*)
- 3.5. Form of ownership (*specify using the OKFS classifier*)
- 3.6. Departmental affiliation
- 3.7. TIN, KPP, OGRN, OKTMO codes
- 3.8. Address
- 3.9. Location
- 3.10. Constituent entity of the Russian Federation
- 3.11. Position, full name (including patronymic if available) of the head of the organisation:
- 3.12. Contact telephone number
- 3.13. E-mail

The head of the organisation confirms that:

- they have read the conditions of the Foundation’s competition and consent to the funding of the project via the organisation if the project is supported;
- they agree with clauses 4, 8, 14, 33, 35, and 36 of the competition documentation and other terms of the competition;
- they confirm the information about the project leader given in this application;
- the organisation meets its obligations to pay taxes to treasuries of all levels and make mandatory payments to public extra-budgetary funds, is financially stable, is not in the process of liquidation, has not been declared insolvent (bankrupt), does not have seized property, and its financial activities have not been suspended;
- if the application wins the competition, the organisation undertakes to do the following:
  - conclude civil or employment (fixed-term) contracts with members of the research team <sup>75</sup>;
  - remunerate members of the research team for their work on the project, upon written instructions from the project leader;
  - annually, in due time, present a report on the targeted use of the Russian Science Foundation’s grant.

The head of the organisation guarantees that:

- Each member of the research team will receive<sup>76</sup> annual remuneration for their work on the project;
- the total annual remuneration per research team member will not exceed 30 per cent of the total annual remuneration for all the research team members<sup>77</sup>;
- the total annual remuneration for research team members aged up to and including 39 years will be at least 35 per cent of the total annual remuneration for all the research team members.
- the total number of research team members (including the project leader) will not exceed ten and the research team will not include employees of the organisation that act as the immediate administrative superior to the project leader;
- the research team will be provided with the requisite facilities and access to the existing experimental base for scientific research.

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<sup>75</sup> If no such contracts have been signed yet. If a member of the research team is not a citizen of the Russian Federation, the organisation shall complete all the procedures to comply with the laws of the Russian Federation regulating employment of foreigners.

<sup>76</sup> Persons who are not tax residents of the Russian Federation may carry out work on the Project on a pro bono basis.

<sup>77</sup> Including guarantees provided for by the laws of the Russian Federation, contributions to mandatory pension insurance, mandatory health insurance, and mandatory social insurance to cover potential temporary disability and maternity leave, and mandatory social insurance against industrial accidents and occupational diseases.

**Signature of the head of the organisation** (authorised representative acting on the basis of a power of attorney or executive document)<sup>78</sup>, **seal (if any) of the organisation.**

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<sup>78</sup> If the form is signed by an authorised representative of the organisation (including head of a branch), a copy of the relevant executive document or power of attorney certified by the organisation's seal must be submitted in addition to the hard copy of the application.

### Project scope

- 4.1. Scientific problem to be solved by the project  
*in Russian*  
*in English*
- 4.2. Relevance and scientific significance of the problem  
*in Russian*  
*in English*
- 4.3. Specific objective(s) within the problem to be solved by the project, its scope and complexity  
*in Russian*  
*in English*
- 4.4. Scientific novelty of the research, substantiation that the objective (objectives) can be achieved and the feasibility of obtaining the expected results  
*in Russian*  
*in English*
- 4.5. Current state of research on the project and the main areas of research in international science and scientific competitors  
*in Russian*  
*in English*
- 4.6. Proposed methods and approaches, general work plan for the entire project implementation period and expected results (*at least two pages; including indication of specific expected results broken down by year; general work plan to be broken down by year*)  
*in Russian*  
*in English*
- 4.7. Scientific groundwork performed on the project by the research team, prior experience in implementing joint projects (*specify results previously achieved and programmes and methods developed*)
- 4.8. List of equipment, materials, information and other resources available to the research team for completing the project (*including a description of how they are required for project implementation*)
- 4.9. Work plan for the first year of the project (*including planned business trips (expeditions) as part of the project*).  
*in Russian*  
*in English*
10. Planned scope of work for the first year for each core investigator (*including the project leader*).  
 Planned visits by researchers in the first year of the project (*timeframe, objective*).
- 4.11. Specific scientific results expected at the end of the first year (*the presentation format must allow the results to be evaluated and implementation progress assessed against the work plan*).  
*in Russian*  
*in English*
- 4.12. List of equipment, materials, information and other resources for completing the project (*including a description of how they are required for project implementation*).
- 4.13. File<sup>79</sup> 1 with additional information<sup>80</sup>
- 4.14. File<sup>81</sup> 2 with additional information (if the information contained in File 1 does not suffice)

<sup>79</sup> Containing charts, photos, figures and other information about the project scope. One file in pdf format, up to 3 Mb.

<sup>80</sup> Text in files with additional information must be in Russian. Translation into English is required if the project leader believes this information to be material for the expert.

<sup>81</sup> Containing charts, photos, figures and other information about the project scope. One file in pdf format, up to 3 Mb.

**Signature of the project leader**

## Requested funding for 2020

## 5.1. Planned project expenditures

No.	Grant expenditure item	Total expenditures (thousand RUB <sup>82</sup> )
	<b>TOTAL</b>	
	Remuneration for research team members, excluding <i>support personnel</i> (including insurance contributions to extra-budgetary funds)	
	Remuneration for <i>support personnel</i> (including insurance contributions to extra-budgetary funds)	
1.	Total remuneration (including insurance contributions to extra-budgetary funds)	
2.	Payment for research work performed by third-party organisations for the purpose of research project completion <sup>83</sup>	
3.	Expenditures on purchasing equipment and other property required for the research (including employee training, installation, commissioning, and repair <sup>84</sup> )	
4.	Expenditures to purchase materials and components for the research	
5.	Expenditures related to lectures by leading scientists, their involvement in seminars and young researchers' schools. Expenditures on organising seminars and young researchers' schools	
6.	Other expenditures on implementing the project	
7.	Organisation's overheads <sup>85</sup>	

## 5.2. Breakdown of planned expenditures

**for item 1:** remuneration (including of the project leader, core investigators and other investigators engaged on the project), including guarantees provided for by the laws of the Russian Federation, contributions to mandatory pension insurance, mandatory health insurance, and mandatory social insurance to cover potential temporary disability and maternity leave, and mandatory social insurance against industrial accidents and occupational diseases.

**for item 2:** list of planned contracts (invoices) with third-party organisations specifying the subject and amount of each contract.

**for item 3:** list of equipment and other property planned to be purchased and required for the research (in accordance with clause 4.12 of form 4 in Appendix 1).

**for item 4:** breakdown of planned materials and components (in accordance with clause 4.12 of form 4 in Appendix 1).

**for item 6:** other expenditures for the purposes of project implementation, including business trips, communication services, transport; these expenditures **are not broken down**.

**for item 7:** expenditures **are not broken down and not substantiated by a rationale**

<sup>82</sup> Without separators and to one decimal place.

<sup>83</sup> Not more than 15 per cent of the grant.

<sup>84</sup> Not related to ongoing activities of the organisation.

<sup>85</sup> Not more than ten per cent of the grant.

**Signature of the project leader**

**Signature of the head of the organisation** (authorised representative acting on the basis of a power of attorney or an executive document)<sup>86</sup>, **seal** (if any) **of the organisation.**

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<sup>86</sup> If the form is signed by an authorised representative of the organisation (including head of a branch), a copy of the relevant executive document or power of attorney certified by the organisation's seal must be submitted in addition to the hard copy of the application.