**Proof of Concept Programme**

**First Call PoC-01-RS-2018**

**Application Form**

**Note to the Applicant**

This application should be completed in line with the provisions and explanations described. All information included is strictly confidential and will not be revealed without prior authorization of applicant/s.

1. **Title of the project or technology**

*Max 20 words*

1. **Acronym**

*Max 5 words*

1. **Field of science (please choose the relevant fields, multiple choices possible) where technology belongs**

|  |  |
| --- | --- |
| **National Sciences**  Mathematics  Computer and information sciences  Physical sciences  Chemical sciences  Earth and related environmental sciences  Biological sciences  Other natural sciences  **Medical and health sciences**  Basic medicine  Clinical medicine  Health sciences  Health biotechnology  Other medical sciences | **Engineering and technology**  Civil engineering  Electrical engineering, electronic engineering, information engineering  Mechanical engineering  Chemical engineering  Materials engineering  Medical engineering  Environmental engineering  Environmental biotechnology  Industrial Biotechnology  Nano-technology  Other engineering and technologies |
| **Agricultural sciences**  Agriculture, forestry, and fisheries  Animal and dairy science  Veterinary science  Agricultural biotechnology  Other agricultural sciences  **Humanities**  History and archaeology  Languages and literature  Philosophy, ethics and religion  Art (arts, history of arts, performing arts, music)  Other humanities | **Social sciences**  Psychology  Economics and business  Educational sciences  Sociology  Law  Political Science  Social and economic geography  Media and communications  Other social sciences |

1. **Research team members**

Researcher 1 (team leader where applicable)

|  |  |
| --- | --- |
| **Name** |  |
| **Position in the organization** |  |
| **Institution** |  |
| **Email** |  |
| **Phone** |  |
| **Background (max. 250 characters)** |  |

Researcher 2

|  |  |
| --- | --- |
| **Name** |  |
| **Position in the organization** |  |
| **Institution** |  |
| **Email** |  |
| **Phone** |  |
| **Background (max. 250 characters)** |  |

Researcher 3

|  |  |
| --- | --- |
| **Name** |  |
| **Position in the organization** |  |
| **Institution** |  |
| **Email** |  |
| **Phone** |  |
| **Background (max. 250 characters)** |  |

Researcher 4

|  |  |
| --- | --- |
| **Name** |  |
| **Position in the organization** |  |
| **Institution** |  |
| **Email** |  |
| **Phone** |  |
| **Background (max. 250 characters)** |  |

1. **Description of PoC project**

\*All fields are mandatory

* 1. Description of the technology/project

*(Max 2000 characters)*

* 1. Please check the technology readiness level of proposed technology

|  |  |
| --- | --- |
|  | TRL 1 – basic principles observed |
|  | TRL 2 – technology concept formulated |
|  | TRL 3 – experimental proof of concept |
|  | TRL 4 – technology validated in lab |
|  | TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies) |
|  | TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies) |
|  | TRL 7 – system prototype demonstration in operational environment |
|  | TRL 8 – system complete and qualified |
|  | TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space) |

* 1. Please, describe what the proposed technology enables

*(Max 1000 characters)*

* 1. Please, describe shortly comparable or alternative technologies

*(Max 1000 characters)*

* 1. How innovative is your technology?

*(Max 1000 characters)*

* 1. Is the ownership of Intellectual Property (IP) regulated?

(*Is the ownership of intellectual property regulated? Has IP regarding the research already been protected? If yes, how? Have you already conducted research to avoid infringing anybody else’s IP?)*

*(Max 1000 characters)*

* 1. Provide here the public information on the technology (papers, patents, etc.)

(*Max 500 characters)*

* 1. State your partners involved in the development of the technology and their role

(*Max 500 characters)*

* 1. What kind of support do you find most beneficial for your PoC project and raising the TRL level?

MarketResearch

Business model development

Commercialization strategy

IP evaluation

IP protection

Technology/concept validation

Development of prototype

Technical feasibility study

Fundraising or crowd-funding support

*Please, elaborate selected.*

(*Max 500 characters)*

* 1. How do you anticipate further development of the technology in the next twelve months?

(*Max 700 characters)*

* 1. Please check the technology readiness level you expect your technology will reach after the PoC Programme

|  |  |
| --- | --- |
|  | TRL 1 – basic principles observed |
|  | TRL 2 – technology concept formulated |
|  | TRL 3 – experimental proof of concept |
|  | TRL 4 – technology validated in lab |
|  | TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies) |
|  | TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies) |
|  | TRL 7 – system prototype demonstration in operational environment |
|  | TRL 8 – system complete and qualified |
|  | TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space) |

* 1. Have you received any other support (financial and non-financial) for development the technology? If yes, please state the type of support you received.

(*Max 250 characters)*

1. **Application**
   1. Description of the problem your technology addresses

*(Max 1000 characters)*

* 1. Description of proposed solution for solving the problem

*(Max 1000 characters)*

* 1. Market potential, target groups and competitive advantage

*(Max 1000 characters)*

* 1. Are there any regulatory issues or other barriers? Please describe, if any.

*(Max 500 characters)*

1. **Capacity to implement the PoC Programme**
   1. Competences of the research team

*(Please describe your research competences of the team? Please describe the “non-research” competences relevant for the implementation of PoC programme (entrepreneurship, IP management, commercialization, innovations, technology transfer, etc.))*

(*Max 2000 characters)*

* 1. Capacity of the home institution

*(Are there available resources (equipment, software, etc.) at your home institution to support any further activities of the proposed PoC project? What resources are missing?)*

(*Max 1000 characters)*

1. **Specific information**
   1. Team

|  |  |
| --- | --- |
| The team has all of the required competencies to take the technology to market? |  |
| Is the team willing to take the technology to the market? |  |
| Are all inventors or creators of the technology/idea included in the team? |  |
| All team members are creators or inventors of the technology/idea? |  |
| At least one of the team members has a PhD degree? |  |
| At least one of the team members was involved in a startup? |  |

* 1. Technology

|  |  |
| --- | --- |
| Did your team disclose the solution, or part of it (paper, thesis, reports, proposal, talk, etc.)? |  |
| Did your team submit a patent or has other protection of IP for the proposed solution? |  |
| Can you identify variations of the proposed solution to achieve the same result? |  |
| Is the technology an improvement over an existing one? |  |
| Is the technology essential to life or to a business? |  |
| Is the new solution an improvement of an existing product or service? |  |
| Is it easy to design an alternative solution to the same problem? |  |
| Does the new solution require access to existing IP? |  |
| Can the solution be easily copied? |  |

* 1. Application

|  |  |
| --- | --- |
| Is the solution created based on the needs defined by the consumers or is it the result of technology development? |  |
| Does the solution address all aspects of the problem? |  |
| The solution provides long-term benefits? |  |
| The solution provides short-term benefits? |  |
| The solution provides short-term returns of investment (up to a year)? |  |
| The solution requires initial investment greater than 100.000 EUR? |  |

* 1. Application barriers

|  |  |
| --- | --- |
| The solution has regulatory issues? |  |
| The solution still has some technical issues? |  |
| The solution may have negative long-term impacts? |  |
| The solution is easy to implement? |  |
| The solution requires no change in current customer workflow? |  |
| The solution needs to be adapted to each customer's processes? |  |

* 1. Sales Potential

|  |  |
| --- | --- |
| Is it easy to sell? |  |
| Is there a strong market need? |  |
| Is it cheaper than existing solutions? |  |
| Is it better than existing solutions? |  |
| Are there any existing solutions available? |  |
| (if yes, elaborate) |  |
| Is there customer resistance expected? |  |
| The time to first sale is less than 1 year? |  |
| Is the global market (TAM) greater than $1b? |  |
| Is the market very competitive? |  |
| Can the solution have a 20% share of the serviceable market (SAM) in 5 years? |  |

1. **Exclusion criteria**
   1. Please confirm that none of the criteria stated below applies to you or the research result proposed within this Application Form.

|  |  |  |
| --- | --- | --- |
| Have you already received support for similar Proof-of-Concept activities from any other source for the technology that is subject of the application? | Yes | No |
| Has the technology has/have already been commercialized? | Yes | No |
| Are involved researchers under any kind of contractual obligation outside the PoC programme that involves the commercialization of technology? | Yes | No |
| To the best of your knowledge, are any of the activities proposed in PoC Application in contrast to provisions of Bylaws on the IP management at the home institution or provisions of applicable laws? | Yes | No |