2019 Korea-Turkey Joint Project Proposal on Research and Innovation

*Maximum 35 pages*

**Application Summary**

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| **1** | **Title & Acronym of Proposed Project** |
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| **2** | **Main thematic area of the call**  *Select one among the four research areas given in the call* |
|  | *ICT / Energy / Digital Health / Smart City* |

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| **3** | **Type of Research**  *Select type of research (if the project fits more than one type, select only one type based on targeted output at the project end):* |
|  | *Basic Research / Applied Research / Experimental Development* |

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| **4** | **Keywords** |
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| **5** | **Applicant Information** | | | |
|  | **Korea** | | **Turkey** | |
| Organization |  | Organization |  |
| Name of PI |  | Name of PI |  |
| Address |  | Address |  |
| Tel/Fax |  | Tel/Fax |  |
| E-mail |  | E-mail |  |

|  |  |  |
| --- | --- | --- |
| **6** | **Other Collaborating Organisations** (If any) | |
|  | **Korea** | **Turkey** |

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| **7** | **Total Budget Request** | |
|  | **Korea** | **Turkey** |
| 1yr | 50,000,000 (KRW) | (TL) |
| 2yr | 50,000,000 (KRW) | (TL) |
| 3yr | 50,000,000 (KRW) | (TL) |
| TOTAL | 150,000,000 (KRW) | 720,000 (TL) |

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| **8** | **Project Duration** |
|  | 36 months |

**Section1: Scientific/Technological Excellence**

**1.1.** **Aims and Objectives of the Project** *(~ 1-2 page)*

*Please describe the aims and scientific/technical objectives of the project in detail with clear and brief statements. The objectives should be measurable, realistic and achievable within the duration of the project.*

**1.2. State of the Art** *(~ 1-2 page)*

*Please describe the current national and international state of the art in the domain addressed by the project (present a literature review including [if applicable] patent/utility model/market research relevant to the project). All necessary references should be given in Section 7.*

**1.3. Scientific Quality, Innovation Potential and Contribution** *(~ 1-2 page)*

*Please describe the scientific quality and innovation potential of the project as well as its methodological/conceptual/theoretical contribution to the related scientific and technological area, highlighting the expected progress beyond the state of the art.*

**Section 2: Methodology**

*Please explain the scientific and technological methodology and research techniques (including data collection techniques, tools and data analysis methods) to achieve the objectives of the project. Be specific and do not describe only general directions. Describe experience or preliminary results showing feasibility.*

**Section 3: Project Management**

**3.1. Work Plan** *(~ 2-3 page)*

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| ***WP No*** | ***WP Name*** | ***Responsible Team Member (with roles)*** |  | ***Year 1*** | | | | | | | | | | | ***Year 2*** | | | | | | | | | | | | ***Year 3*** | | | | | | | | | | | |
| ***1*** | ***2*** | ***3*** | ***4*** | ***5*** | ***6*** | ***7*** | ***8*** | ***9*** | ***10*** | ***11*** | ***12*** | ***13*** | ***14*** | ***15*** | ***16*** | ***17*** | ***18*** | ***19*** | ***20*** | ***21*** | ***22*** | ***23*** | ***24*** | ***25*** | ***26*** | ***27*** | ***28*** | ***29*** | ***30*** | ***31*** | ***32*** | ***33*** | ***34*** | ***35*** | ***36*** |
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*Provide an overview of the work plan and timing of the different work packages using the following Gantt chart. Provide also a graphical presentation (Pert chart or similar) to show how different work packages inter-relate. Literature review, preparation of progress and final reports, dissemination activities, writing articles and purchasing of any material to be used during the project should not be a separate WP.*

*Describe the organizational structure, the management structure and the decision-making.*

*For each project, the total duration of scientific visits to one side to another (from Korea to Turkey or from Turkey to Korea) must not exceed 90 days per year.*

***Work-Time Schedule (Gantt chart)*** *The rows and columns in the schedule can be enlarged and increased.*

**3.2. Work packages** (*Up to 1 page per WP*)

*Provide a description of each work package (templates provided).*

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WP 1** | | **WP Title** | | | | | | | | **Start Date** | | **End Date** | | **Duration (months)** |
| **Contribution of project partners** | | | | | | | | | | | | | | |
| *Partner number[[1]](#footnote-1)* | | | | *1* | | *2* | *3* | *4* | *5* | | *6* | | *7* | *8* |
| *Total effort per partner (Person-months)* | | | |  | |  |  |  |  | |  | |  |  |
| ***Objectives***  *Please provide a general description of the work to be undertaken (including methods to be applied where appropriate), identify the partners involved and specify their contributions.* | | | | | | | | | | | | | | |
| ***Interdependence with Other Work Packages***  *Please describe the interdependencies between the present work package with other work packages.* | | | | | | | | | | | | | | |
| ***Tasks*** | | | | | | | | | | | | | | |
| ***T1.1*** | ***Task title (Start month – end month: Responsible partner; Involved partner(s))***  *Description of work and role of participant* | | | | | | | | | | | | | |
| ***T1.2*** | ***Task title (Start month – end month: Responsible partner; Involved partner(s))***  *Description of work and role of participant*  *Add as many lines as needed* | | | | | | | | | | | | | |
| ***Deliverable*** | | | ***Month of delivery*** | | ***Title of deliverable*** | | | | | | | | | |
| ***D1.1*** | | |  | |  | | | | | | | | | |
| ***D1.2*** | | |  | |  | | | | | | | | | |
|  | | |  | | *Add as many lines as needed* | | | | | | | | | |

*Use as many WP templates as needed*

**3.3. Milestones, Success Criteria and Risk Analysis** *(~ 1-2 pages)*

*Please provide a list of milestones, success criteria and potential risks (templates provided).*

**List of milestones**

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| --- | --- | --- | --- |
| **Milestone** | **Delivery month** | **WP involved** | **Title** |
| **M1** |  |  |  |
| **M2** |  |  |  |
| **M3** |  |  |  |

*Use as many lines as needed, but try to limit the number of milestones*

**Success Criteria**

*The success criterion describes the criterion for each WP to be considered successful. The success criteria should be measurable and monitorable.*

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| **WP** | **Objective of WP** | **Success Criteria**  **(%, number, statement etc.)** | **Importance of the WP for the Success of the Project (%)** |
| **WP1** |  |  |  |
| **WP2** |  |  |  |
| **WP3** |  |  |  |

*Use as many lines and columns as needed*

*The sum of percentages in the “Importance of the WP for Success of the Project” column should be 100.*

**Section 4: Importance of International Cooperation**

**4.1. Expertise and role of each partner**

*Describe the expertise and role of each partner in the project using the template below. The information provided here will be used to judge the operational capacity.*

*(max. 1 page per partner)*

|  |  |
| --- | --- |
| **Partner n (1,2,3 etc.)** | **Organisation Full name** |
| **Expertise:**  *Expertise of the organisation related to the project objectives.*  *For the principal investigators give a brief CV highlighting research experience and list the 5 most important publications of the last three years* | |
| **Role in project:** | |

*Use as many templates as needed*

**4.2. Added value of the collaboration** *(~ 1 page)*

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| --- |
| *How the partners complement one another in terms of necessary expertise, technology and other resources? Describe the added value of the consortium as a whole (including complementarity, balance).*  *Please explain the necessity and importance of implementing the project with international collaboration.*  *If the technology transfer between the partners is foreseen, please explain how it will be accomplished.* |

**4.3. Description of significant facilities and infrastructure available to the partners** *(~ 1 page)*

*Please list the facilities/infrastructure (laboratories, testing environment, equipment, software etc.) of each partner and their purpose of use in the project.*

*For projects aiming new product development, please specify the sufficiency of relevant institutions’ infrastructure for new product development and design.*

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| --- | --- | --- |
| **Institution** | **Description of facilities/infrastructure** | **Purpose of Use During the Project** |
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*Use as many lines as needed*

**4.4. Management of Intellectual Property** *(~ ½ page)*

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| *Please specify the project output(s) which might be subject to registration of patent, utility model and industrial design.*  *Please describe the management of intellectual property rights of the output(s) of the project. If relevant, a global consortium agreement should be prepared to manage the intellectual property rights, publication and exploitation plans, as well as management rules between the partners.* |

**Section 5: Impact**

**5.1. Expected impacts** *(~ 1-2 page)*

*Describe the expected impact(s) of the project in relation to the project objectives using the template below. Wherever possible, use quantified indicators and targets.*

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| --- | --- |
| **Type of impact** | **Expected Output, Results and Impacts** |
| **Scientific/Academic**  (Article, Proceeding, Part of a book, Book) |  |
| **Economic/Commercial/Social/Environmental**  (Product, Prototype, Patent, Utility model, Production license, Process Improvement, Variety registry, Spin-off/Start-up company, Audiovisual archive, Inventory / Database / Documentation Production, Work that can be copyrighted, Presented in media, Fair, Project market, Scientific activity (workshop, training where the results of the projects to be used), social impact, environmental impact and other common effects),  For the projects aiming new product development, please also answer the following questions;   * Describe the added value that the project will provide and the contribution of the project output(s) to partner(s)’ efficiency and competitiveness. * Explain the commercialization potential and domestic/international market share of project output(s) including a brief comparison with other potentially competing products or services and its possibility to replace an imported product. * Provide your estimations and assumptions for economic benefit based on the following criteria:   - Time to market (where relevant)  - Increase in sales rate  - Increase in market share  - Breakeven point |  |
| **Researcher Training and Creating New Project(s)**  (Graduate thesis, National/International new Project) |  |

**5.2. Dissemination and exploitation of results** *(~ ½ page)*

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| *Please state the program of dissemination and exploitation activities (seminar organization, congress presentations, public sector-oriented conferences, business plan and others, etc.), excluding specialized publications, planned during the project development. Please clearly explain where and when these activities will be performed.* |

**Section 6: Biography of Participating Researchers (does not count to the 35 pages)**

*\* Biographical sketches of all the PIs and other key project personnel from both countries should be included.*

1. ***Bold*** *the partner number of the work package leader* [↑](#footnote-ref-1)