**JAPAN-PHILIPPINES**

**JOINT CALL FOR PROPOSALS on “*Smart Agriculture*”**

**Joint Application Form**

*You may delete notes that are in blue italics texts in this form. Use 10.5-point font size.*

# Part I. General Information

## 1. Title of Research Project

## 2. Subtopics

*Tick* ***ONE (1)******or MORE*** *subtopic(s) under the research fields.*

Advanced Monitoring and Optimization Systems for Smart and Cost-Effective Agriculture Implementation

Next-Generation Smart Agriculture Technology/Infrastructure for Automation of Agricultural Production and Postharvest Processes

Design and Implementation of Smart Agriculture Technologies Reflecting Regional and Farmland Diversity

Smart Breeding and Cultivation Approaches for Neglected and Underutilized Species (NUS)

Building Smart and Resilient Agricultural Models for Sustainability and Climate Change Adaptation

Others ( )

## 3. Project Principal Investigators

**Japan-based Principal Investigator**

|  |  |  |  |
| --- | --- | --- | --- |
| Last Name | e.g. Kagaku | First Name | e.g. Taro |
| Date of Birth |  | | |
| Organization/Department/ Position | e.g. Associate Professor, Department of Science and Engineering, Kagaku University | | |
| Address |  | | |
| Tel |  | | |
| E-mail |  | | |

**Philippines-based Principal Investigator**

|  |  |  |  |
| --- | --- | --- | --- |
| First Name | e.g. David | Last Name | e.g. Science |
| Date of Birth |  | | |
| Organization/Department/ Title |  | | |
| Address |  | | |
| Tel |  | | |
| E-mail |  | | |

# Part II. Abstract

*An abstract may not exceed* ***2 pages*** *and should include:*

*1. Objectives*

*2. Methodology*

*3. Expected scientific results of the joint research*

*4. Mode of cooperation, including* *the exchange of people (for example, young researchers including students)*

*5. Expected economic and social impact of the joint research*

*6. Graphical abstract (1-2 figures) that illustrates the content of the research proposal*

# Part III. Research Topic and Work Plan

## 1. Detailed Description of the Joint Project

*Please refer to the evaluation criteria in the guidelines. References should be listed at the end of this section. Description may not exceed* ***6 pages****.*

### 1) **Problem statement**:

*What will be the problem addressed by the project and what is its importance? What will be the contribution to the area if successful? Please quote relevant works in the field as needed.*

### 2) **Expected Outcomes**:

*Describe scientific and technological outcomes as a result of the proposed project.*

### 3) **Scientific and technological challenges and the means and methods to overcome them**:

*Explain the scientific and technological challenges that the project proposes to overcome in order to achieve its objectives. Describe by what means and methods these challenges can be overcome. Cite references that help the reviewers who will analyze the proposal to understand that the mentioned challenges have not yet been overcome (or have not yet been adequately overcome) and that they can be overcome with the methods and means of the proposal under analysis.*

### 4) **Future Prospect of Research**:

*Describe the economic and social contributions expected from the research results and the added value expected from the project (focusing on synergies and mutual benefits of international collaboration).*

### 5) **Exchange Plan for Young Researchers**:

*Describe a specific plan and outcomes for exchange of young researchers including graduate and undergraduate students who can play an important role in the joint research and who are expected to be internationally active in the future, e.g., by promoting their international mobility and circulation, such as dispatching them to the partner country or holding workshops, or by providing international research opportunities such as presenting at international conference.*

### 6) **Bibliography**:

*Up to 5 relevant scientific publications / patent applications of the joint project related to the proposal published in the past 5 years.* *If there is no applicable item, please list the principal publications of each PI in the past 5 years and describe how you will collaborate in the future.*

## 2. Time Schedule and Research Plan

*Description may not exceed* ***4 pages****.*

### **1st Year (2026.4 – 2027.3)**

Research Work Plan:

*Itemize the specific research activities conducted by each team in each year.*

1) Japan side

2) Philippines side

Research Exchange Plan:

*Including clear description of plan for joint workshops, researcher exchanges etc. in each year, purposes of and expected outcomes through these activities.*

1) Japan side

2) Philippines side

### **2nd Year (2027.4 – 2028.3)**

Research Work Plan:

1) Japan side

2) Philippines side

Research Exchange Plan:

1) Japan side

2) Philippines side

### **3rd Year (2028.4 – 2029.3)**

Research Work Plan:

1) Japan side

2) Philippines side

Research Exchange Plan:

1) Japan side

2) Philippines side

# Part IV. Budget Description (for Japan-side)

## 1. Budget Summary in Japanese Yen

*For Japanese applicants in international joint research, JST funding will be up to 36 million Japanese yen as direct expenses per project for a duration of 36 months.*

*Please fill in the expenditure plan in the table below, providing a breakdown of the direct expenses by item and fiscal year. Additionally, please provide an expenditure plan for the exchange plan ((b) below) aimed at building and expanding international networks that will contribute to the promotion of international talent mobility and circulation, detailing expenses by item. This may include costs for holding workshops to strengthen connections and travel expenses, with a target of allocating around 30% of the total direct expenses ((a) below) for this purpose.*

*\*Additionally, 30% of the direct expenses will be allocated as indirect expenses to the hosting institutions.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Direct expenses  (Amount in 1,000 yen) | Fiscal year 2026 | Fiscal year 2027 | Fiscal year 2028 | **TOTAL *(a)*** | |
|  | Exchange plan *(b)* |
| Facilities and equipment |  |  |  |  |  |
| Consumables |  |  |  |  |  |
| Travel |  |  |  |  |  |
| Personnel |  |  |  |  |  |
| Others |  |  |  |  |  |
| **Total amount** |  |  |  |  | *\*around 30% of the left cell* |

# Part V. Budget Description (for Philippines-side)

*DOST shall provide a maximum funding of up to PHP15 million each project for 36 months in support of the Filipino researchers in conducting their joint research project with Japan, which includes international travel expenses between Philippines and Japan; research-related domestic travel expense in the Philippines; medical and accident insurance (based on prescribed accounting and auditing rules); and daily allowances, accommodation, and domestic travel expenses in Japan of the Filipino team.*

*A counterpart fund, in kind and/or in cash, shall be required from the implementing agency as one of the application requirements. All projects must have a minimum of 15% counterpart contribution except for projects involving public good.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Total Budget:** | | | | |
| **SOURCE OF FUND** | **PS** | **MOOE** | **EO** | **TOTAL** |
| DOST |  |  |  |  |
| Counterpart Fund |  |  |  |  |
| **Total** |  |  |  |  |
|  | | | | |
| **Y1 Budget:** | | | | |
| **SOURCE OF FUND** | **PS** | **MOOE** | **EO** | **TOTAL** |
| DOST |  |  |  |  |
| Counterpart Fund |  |  |  |  |
| **Total** |  |  |  |  |
|  | | | | |
| **Y2 Budget:** | | | | |
| **SOURCE OF FUND** | **PS** | **MOOE** | **EO** | **TOTAL** |
| DOST |  |  |  |  |
| Counterpart Fund |  |  |  |  |
| **Total** |  |  |  |  |
|  | | | | |
| **Y3 Budget:** | | | | |
| **SOURCE OF FUND** | **PS** | **MOOE** | **EO** | **TOTAL** |
| DOST |  |  |  |  |
| Counterpart Fund |  |  |  |  |
| **Total** |  |  |  |  |

# Part VI. Research Participants

*Please provide detailed description of the work contribution of each of the team members.*

## 1. Japan-side

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Role | Name (last, first) | Institution/  Department | Position | Role in Project |
| PI |  |  |  | *e.g. Leading project* |
| Co-PI  *\*Please delete if not applicable* |  |  |  | *e.g. Analyzing research data* |
| Researcher |  |  |  | *e.g. Collecting research data* |

## 2. Philippines-side

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Role | Name (last, first) | Institution/  Department | Position | Role in Project |
| Project Leader |  |  |  |  |
| Project Staff |  |  |  |  |
|  |  |  |  |  |

# Part VII. Personal Background Information

*Description may not exceed* ***1 page per PI, Co-PI and “Past international personnel exchange achievements”****.*

## 1. Japan-side

1. **Principal Investigator:** **Name (Organization, Position)**

*Including education/training and professional background, most important 5 publications in the last 5 years, and notable awards and honors (up to 5 items)*

1. **Co-Principal Investigator:** **Name (Organization, Position) \****Please delete if not applicable*
2. **Past international personnel exchange achievements**

*Please describe the background and achievements of international joint research and researcher exchanges (dispatching young researchers, inviting researchers from other countries, holding of symposia, etc.) conducted by the Principal Investigator to date.*

## 2. Philippines-side

1. **Project Leader:** **Name (Organization, Position)**

*Including education/training and professional background, most important 5 publications in the last 5 years, and notable awards and honors (up to 5 items)*

1. **Project Staff:** **Name (Organization, Position)**
2. **Past international personnel exchange achievements**

*Please describe the background and achievements of international joint research and researcher exchanges (dispatching young researchers, inviting researchers from other countries, holding of symposia, etc.) conducted by the Principal Leader to date.*