



**RCA Research Project  
Information Package**

**RCA Regional Office**

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## 1. General Information

The RCA Research Project initiative is a component of the RCARO Managed Project Programme and has been initiated to provide research opportunities for RCA Government Parties (GPs) that focus on their agreed priorities and needs. In addition, there is the prospect that the results from these Research Projects (RPs) will have the potential to be developed further through adoption as technical cooperation projects to provide increased focussed benefits for the RCA GPs.

The basic structure and operation of the RCA RPs is very similar to the IAEA Coordinated Research Programme. Importantly, RCA RP activities are in compliance with the thematic sector and sector priorities of the RCA MTS 2018/2023 (Annex 1).

### 1.1. Outline of the Structure and Operation of the RCA Research Projects

In many respects, the structure and operation of the RCA RPs is quite different to that of the RCA Technical Cooperation Projects (TCPs). In terms of objectives, the RPs are a means of generating and providing new knowledge and skills for the RCA Programme whereas the TCPs are the means for distributing established knowledge and skills to the GPs so that they can then apply these to address identified needs and priorities and expand national and regional capacities and capabilities.

The operational structure of the RPs is based on a cluster of researchers in the GPs, who each carry out a specific identified research task and the combined contribution of all the GPs research will advance knowledge and skills related to the research objective. The interaction between the researchers is through periodic Research Coordination Meetings (RCMs), usually at 12-18 month intervals subject to funding availability of the RCARO. Importantly, there are no training events, expert assignments or other modalities that are used in the TCPs.

The initial establishment of a RP is a two-stage process. The first stage is to agree the Research Project Theme (RPT) and, once this has been achieved, proposals for Research Contracts or Research Agreements can then be submitted by the NRs. The basic organisational steps for the RPs are as follows:

<b>Responsible Party</b>	<b>Action</b>
NR	Submission of RPT to RCARO through consultation with appropriate national research institutes
RRC	Review and evaluation of the RPTs and providing a report to SAC on options
SAC	Review RRC's report and recommend a candidate RPT
Meeting of NRs	Review the SAC recommendation and approve the RPT for implementation of a RP
RCARO	Invites NRs to receive and submit proposals either as Research Contracts or Research Agreements from appropriate institutes for participation in the RP
RRC/RCARO	A Technical Officer(TO) is designated as a member of the RRC
RRC	Reviews and assesses the received proposals and advise the participation options for the GPs
RCARO	Informs RRC's findings to NRs and make necessary arrangements to contract with participating GPs as Research Contract/Research Agreement

## 1.2. Detailed Procedures for the Development of the Research Projects

The full Research Project procedures are set out in Annex 2.

## 2. Participation in the Research Project

No more than one national research proposal from a GP would be accepted as a component of each RP and the total number of GPs participating in a RP would normally be expected to be between 8 and 12.

There are two modes of participation in the RP; as a **Contract Holder** or as an **Agreement Holder**. GPs would be encouraged to consider participating as Agreement Holders to maximise the financial support that could be provided to the whole RCA RPs programme.

### 2.1. Research Contracts

If a GP is successful in its research project proposal being evaluated and accepted as a component of the Research Project, it may request the RCARO to provide a financial contribution to support for its participation. Such support would be as a **Contract Holder** and normally in the form of a lump-sum cost-sharing contract<sup>1</sup> between the nominated research institute and the RCARO. The institute would be expected to bear the major part of the cost of the project and including operating costs, overheads and other expenses.

Owing to limited financial resources, it would be expected that the financial support that could be offered, would probably not exceed 7,000 Euro per annum per contract.

In addition, the Chief Scientific Investigator (CSI) nominated in the research contract would be invited to attend the periodic Research Coordination Meetings (RCMs)<sup>2</sup> at the RCARO's expense.

Research Contracts would be for the duration of the project. Annual schedule for installment payments will be based on the RRC's advice concerning satisfactory completion of reporting and progress with the research component stipulated in the research contract documentation.

### 2.2. Research Agreements

If no request is made by a GP for financial support from the RCARO and the research project proposal is accepted, participation would be as an **Agreement Holder**. Under such Agreements, no financial award would be made.

However, the Chief Scientific Investigator (CSI) nominated in the Agreement would be invited to attend the RCMs at the RCARO's expense<sup>3</sup>.

Research Agreements would be awarded for the duration of the RP.

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<sup>1</sup>Subject to the financial rules and regulations governing the use of the RP funds being administered by the RCARO.

<sup>2</sup>RCMs would generally be held at 12-18 month intervals subject to satisfactory progress of the Contractor's portion of the RP and the availability of funding.

<sup>3</sup>Subject to the availability of funding and satisfactory progress of that portion of the RP.

### 2.3. Submission of Proposals

A RP proposal should be made by the institute concerned and submitted to the RCARO through the NR of the respective country. Proposal should outline the country's proposed research contribution to the RP using the agreed template.

The RRC reviews and selects specific proposals to award either as a Research Contract or a Research Agreement after consideration of the technical merits, the compatibility with the agreed research area, availability of appropriate facilities and personnel and previous research work done in the nominated institutions. RCARO will advise the NRs of the Committee's findings and confirm proposed RP start date.

Based on the findings and advice of the RRC on the proposals, contracts or agreements will be sent to the NR to forward it to the head of the relevant institutions for approval and signature. The Research Contract or Research Agreement will not enter into force until the signed document has been registered with the RCARO.

The proposal forms for a Research Contract and Research Agreement are in Annex 3 and 4.

## 3. General Conditions for Contracts and Agreements

### 3.1 Reports

All Chief Scientific Investigators (CSI) have to prepare and submit Annual progress reports to the RCARO on their research. The annual CSI report format for Research Contract is given in Annex 5 and for Research Agreement is given in Annex 6.

At the conclusion of the Research Project all CSIs have to prepare and submit final reports to the RCARO on their research. The final CSI report format for Research Contract is given in Annex 7 and for Research Agreement is given in Annex 8.

### 3.2 Conditions of Payment Under Contracts

The timetable of RCARO's payment is established when the contract is negotiated. Cash payments are normally made to the Contractor for expenses under the contract. Generally, funds are obligated when the contract is awarded and subsequently every year upon certification by the RRC that progress reports have been received in due time and accepted by the RCARO. All efforts should be made to submit the required reports in a timely manner as the continuation of support may be contingent on satisfactory progress.

### 3.3 Publication of Rights and Patent Rights

Publication, either by the institution or the RCARO, of the results of work performed under research contracts and agreements is recognised as being normally the most appropriate and effective way of bringing these results to the notice of other scientists. The Contractor must acknowledge the RCARO's support of the work in any publication.

### 3.4 Other Provisions

Each contract/agreement provides that the RCARO shall not be liable for any death, injury of damage arising from the implementation of research project; as a rule, a clause is included requiring the Contractor or Agreement Holder to hold the RCARO harmless from any damage suits. Provision is also made for the settlement of disputes, usually arbitration, and for the adoption by the Contractor of the application health, safety and other standards.

## Annex 1

### Thematic Sector and Sector MTS Priorities 2018/2023

<b>Thematic Sector</b>	<b>Sector MTS Priorities</b>
<b>Food and Agriculture</b>	Increase agricultural production, productivity and quality of plant and animal commodities through sustainable use of available resources
	Contribute towards better adaptation to human activities and climate change by strengthening resilience to external and climate shocks such as natural disasters, coastal erosion and drought
	Facilitate global trade in food through the applications of NS&T that may contribute to regionally harmonized regulatory systems and enhance food safety and security
	Educate extension services and farmers to be more responsive to the introduction of new nuclear and related technologies
<b>Human Health</b>	Strengthen cancer management programmes in GPs, including training of radiation oncologists, medical physicists and technologists
	Simplify and harmonize protocols on diagnostic imaging and for treatment/palliation planning and radiotherapy treatment
	Assist in the development and utilization of radio-labelled pharmaceuticals for imaging and treatment
	Strengthen nuclear medicine to effectively diagnose and assess the extent of cardiovascular diseases, diabetes, mosquito-based diseases, and to monitor cancer treatment effects
	Promote nutritional studies to develop and monitor nutrition programmes to address malnutrition in all its forms
	Promote system-based approach to address communicable diseases; namely TB, HIV/AIDS, malaria and other emerging diseases
<b>Industry</b>	Increase sustainable use of natural resources to produce viable products through radiation technologies
	Improve safety and efficiency, reduce pollution and energy consumption of industrial processes through radiotracer techniques, NDT/NDE, and advanced CT, and radiation processing technologies
	Expand the use of nuclear techniques in emerging industries (nanotechnology, biotechnology, robotics, nucleonics and semiconductor)
<b>Environment</b>	

Air Pollution	Continue to improve and strengthen knowledge on application of nuclear analytical techniques for characterization and identification of sources of air pollution, especially for the new GPs
	Facilitate the use of regional database on coarse and fine air particulates by the end-users for decision making purposes
	Assess the health impact of air pollution
	Expand air pollution studies through application of other nuclear and related techniques and methodologies
Coastal and Marine Resources	Enhance the capability to assess the impact of human activities and climate change on marine and coastal ecosystems
	Facilitate the use of regional database on marine radioactivity and pollutants by the end-users for decision making purposes
	Assist the relevant regulatory authorities to adopt nuclear based analytical techniques to improve decision making related to marine pollution, including Harmful Algal Blooms (HAB)
Water Resources	Strengthen the capacity and capability of water administrations to effectively manage water resources
	Assess the effect of human activities and climate change on the water cycle
	Promote the application of nuclear techniques in environmental forensics to identify sources of pollutants, to understand anthropogenic and geogenic mechanisms and to support remedial actions
Radiation Safety	Encourage self-assessment and peer review of regulatory infrastructure by the NRAs in RCA GPs, and harmonize related methodologies and approaches at the regional level;
	Mentor new RCA GPs as well as those GPs without adequate radiation safety infrastructure to achieve the safety levels required by IAEA Thematic Safety Areas (TSA) 1,2 &3, and to plan for the next TSAs in accordance with their specific requirements and resources.
Energy Planning	Enhance the regional capacity and capability in energy forecasting and planning in support of informed decision and policy making
	Assist developing GPs in conducting country-specific studies on sustainable energy development using TCDC and other appropriate modalities

## Annex 2

### Procedure for Development of Research Project

#### 1. Introduction

The promotion and coordination of cooperative research in nuclear science and technology is one of the specific objectives in the framework of the RCA programme and covers subjects in the fields of isotope and radiation applications in agriculture, human health, industry, hydrology, and terrestrial and marine environments. In particular RCA Research Projects (RPs) should comply with the following criteria:

- (a) Be relevant to the RCA Vision, Mission and Strategic Priorities;
- (b) Have research directions and imperatives that support the medium to long term needs of the RCA Programme, those of the individual RCA GPs (identified through consultations with relevant stakeholders) and the expected contribution of such research to national and regional outcomes;
- (c) Have national level commitment so as to maximise the extent and depth of the research collaboration;
- (d) Demonstrate the benefits and advantages of the application of nuclear techniques;
- (e) Have the potential for development into an RCA technical cooperation project; and,
- (f) Have the potential for improving the utilisation of established national research organisations/institutes, increasing regional research networks and resources and adding value to future inputs to that particular area of research.

#### 2. Formulation of a Research Project Theme

Proposed RPs should be focussed on a well-defined regional theme, problem or need that is relevant to, or can be resolved through, nuclear science and technology, with consideration given to the RCA Strategic Priorities as well as complying with the priorities and criteria listed in 2.1.

All proposals for the establishment of a RCA Research Project Themes (RPT) should be prepared using the RPT Proposal Template (Attachment 1) available on the RCARO website by a NR or a group of NRs. All RPT Proposals should be submitted to the RCARO through the NRs who would take the responsibility to ensure that the proposals meet the required standards before submission to the RCARO. RCARO would provide necessary resource background documents to the NRs with specific requirements and procedures for the development and processing of the Research Project Themes (RPT) proposals.

#### 3. Research Project Theme Proposal Evaluation

The RCA PAC would take on the role as the Research Review Committee (RRC) for the evaluation of the proposed RPT and would refer the technical aspects of the RPT proposals to experts in the research fields relevant to a RPT, or already a part of an active RPT. The experts

for technical review would be promptly approached to seek their agreement to participate as potential technical reviewers to facilitate the process and be sourced from outside of the Asia Pacific Region, where possible, to avoid potential conflicts of interest. Background information on the RCA and its Programme will be provided to the experts by the RCARO.

The submitted RPT proposals would be forwarded to the RRC for review and evaluation of adequacy of the RPTs in terms of the responses to the questions set out in the RPT template, as well as compliance with the sectors of RCA MTS 2018/2023 and other RCA requirements. According to the RRC's review, only RPT proposals that meet the key requirements of compliance with the key RCA criteria that are set out in the proposal template are referred to experts for technical assessment. The results of the evaluation of the proposals, supplemented with advice of the technical experts, will be forwarded by the RRC to the proposing GP for any advised refinement. The amended proposal will be forwarded by the RRC to the DIR RCARO, who after the consideration of the availability of the funding, will forward it to the SAC for review and recommendation.

The RPT Proposal and recommendation of the SAC would be tabled at a RCA National Representatives Meeting for NRs' consideration.

#### **4. Research Project Implementation**

Once the RCA National Representatives Meeting has decided to proceed with the implementation of the RPT as a component of the RCA RPs, the NRs are to seek advice from their respective National Thematic Sector Coordinators and Technical Advisors concerning participation as set in 4.1.

The duration of a RP would normally be expected to be between 3 and 5 years.

For the Research Project implementation, a Technical Officer (TO) would be designated as a member of the RRC to oversee the research project.

The major tasks for the RRC would be to advise the DIR RCARO on:

- (a) The suitability of research proposals as Research Contracts or Research Agreements as part of an approved RPT;
- (b) The annual reports of the CSIs;
- (c) Reports of the Research Coordination Meetings (RCMs) ; and
- (d) Tasks in support of the Research Project as required by the DIR RCARO.

##### **4.1. Research Project Participation**

NRs should seek advice from their respective National Thematic Sector Coordinators and Technical Advisors concerning:

- (a) The identified regional theme, problem or need expressed in the proposed RPT;

- (b) The national research benefits from such participation;
- (c) The specific area of research that could be proposed as the national contribution to the RPT;
- (d) Any overlap or duplication with existing national research projects in that selected area; and,
- (e) Identification of suitable national research organisations/institutes able to accommodate such research cooperation within their existing human and physical resources.

Appropriately qualified and supported institutes in GPs wishing to participate in a RP should prepare a proposal outlining their proposed research contribution to the RPT using one of the agreed RP templates. NRs are requested to submit research project proposals to the DIR RCARO for review by the Research Review Committee (RRC). The Technical Officer (TO) would advise on the technical aspects for awarding either a Research Contract or a Research Agreement, as appropriate. After careful consideration of the technical merits of the proposals, the compatibility of the research project proposals with the RCA's agreed criteria, the availability of appropriate facilities and personnel in the nominated institutions and any previous research work that had been carried out related to the projects, the RRC would select which specific proposals for research could be supported. The DIR RCARO would advise the NRs of the Committee's findings and confirm the proposed RP start date.

No more than one national research proposal from a GP would be accepted as a participant of each RP. Because of the budgetary constraints, the total number of GPs participating in a RP would normally be expected to be between 8 and 12. There would be two modes of participation; as a **Contract Holder** or as an **Agreement Holder**. GPs would be encouraged to consider participating as Agreement Holders to maximise the financial support that could be provided to RPs. Research Contracts and Research Agreements would be generally for the entire duration of the RP.

#### 4.2. Contract Holder

If a request for the RCARO's financial support of a proposed research contribution were successful, such support would be normally in the form of a lump-sum cost-sharing contract<sup>4</sup> between the nominated research institute and the RCARO. The institute would be expected to bear the major part of the cost of the project and including operating costs, overheads and other expenses. Owing to limited financial resources, it would be expected that the financial support that could be offered, would probably not exceed 7,000 Euro per annum per contract. Continuation of the payment would be based on the RRC's advice concerning satisfactory completion of yearly reporting and progress with the research component. In addition, the Chief Scientific Investigator (CSI) nominated in the contract would be invited to attend the periodic

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<sup>4</sup>Subject to the financial rules and regulations governing the use of the RP funds being administered by the RCARO.

Research Coordination Meetings (RCMs<sup>5</sup>) at the RCARO's expense.

### **4.3. Agreement Holder**

If no request were made for financial support from the RCARO and this proposal were accepted, participation would be as an Agreement Holder. Under such Agreements, no financial award would be made to the Agreement Holder, other than the Chief Scientific Investigator (CSI) nominated in the Agreement, who would be invited to attend the periodic RCMs at the RCARO's expense<sup>6</sup>.

### **5. Reporting and Monitoring**

Each Contractor must submit an Annual Report using the designated template, which contains the proposed programme of work of the following year, and a final report at the end of the contract to the DIR RCARO for review by the Research Review Committee. The positive evaluation of the progress reports by the RRC constitutes the basis for the continuation of the project and payment of the next instalment of the project award.

Each Agreement Holder must submit an Annual report using the designated template to the DIR RCARO at the end of each project year and final year for review by the Research Review Committee. These reports will be presented to the SAC and NRs through the DIR RCARO's report to the NRM and will be reflected in the RCA Annual Report.

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<sup>5</sup>RCMs would generally be held at 12-18 month intervals subject to satisfactory progress of the Contractor's portion of the RP and the availability of funding. TO will be invited to the RCM at the RCARO's expense.

<sup>6</sup>Subject to the availability of funding and satisfactory progress of that portion of the RP.

Annex 3



**RCA Regional Office**

c/o Korea Atomic Energy Research Institute  
989-111 Daedeok-daero, Yuseoung-gu, Dae-jeon, 34057, Korea  
Tel: +82 42 868 2778  
Fax: +82 42 864 1626  
<http://www.rcaro.org>

**PROPOSAL FOR RESEARCH CONTRACT**

This proposal is endorsed by the National RCA Representative of \_\_\_\_\_ (country name),  
\_\_\_\_\_ (name), \_\_\_\_\_ (date), \_\_\_\_\_ (Signature).

**PLEASE SEND YOUR PROPOSAL FOR RESEARCH CONTRACT TO: [rcarp@rcaro.org](mailto:rcarp@rcaro.org). ONLY DULY COMPLETED AND SIGNED PROPOSALS WILL BE PROCESSED.**

<b>1. TITLE OF RESEARCH PROJECT UNDER WHICH THIS RESEARCH CONTRACT IS PROPOSED:</b>	
<b>2. TITLE OF PROPOSED RESEARCH CONTRACT PROJECT:</b> <i>(Should reflect the objective of the proposed research work)</i>	
<b>3. CONTRACTING INSTITUTION:</b> <i>(The contracting institutions can ONLY be an institute with independent legal personality)</i>  Inst. Name:  Street: P.O.Box: Postal Code: City: Region/District: Country: Tel: Email: Web Page:	<b>4. IMPLEMENTING INSTITUTION:</b> <i>(Where the research is to be performed. This can be the contracting institution or a sub-institution, branch of a laboratory)</i> If not the contracting institute, please provide:  Inst. Name:  Street: P.O.Box: Postal Code: City: Region/District: Country: Tel: Email: Web Page:
<b>5. SUMMARY OF PROPOSED RESEARCH:</b>	

<b>6. PROJECT PERSONNEL (if space provided below is insufficient, please attach additional sheets)</b>				
<b>A. Chief Scientific Investigator (CSI)</b>				
<b>Family Name:</b>	<b>First Name:</b>	<b>Gender: M/F</b>	<b>Date of birth: Yyy-mm-dd</b>	<b>Nationality:</b>

<b>Telephone (office):</b>	<b>Fax (office):</b>	<b>Email (office):</b>	<b>Position held:</b>

<b>Academic degree:</b>	<b>Subject:</b>	<b>Institution:</b>	<b>From:</b>	<b>To:</b>

Related scientific experience:  
Recent publications related to the project (within the past 2-3 years):  
% of total working time devoted to the project:

<b>B. Secondary CSI (if applicable)</b>				
<b>Family Name:</b>	<b>First Name:</b>	<b>Gender: M/F</b>	<b>Date of birth: Yyy-mm-dd</b>	<b>Nationality:</b>

<b>Telephone (office):</b>	<b>Fax (office):</b>	<b>Email (office):</b>	<b>Position held:</b>

<b>Academic degree:</b>	<b>Subject:</b>	<b>Institution:</b>	<b>From:</b>	<b>To:</b>

Related scientific experience:  
% of total working time devoted to the project:

<b>C. Main additional Scientific Staff</b>				
<b>Family Name:</b>	<b>First Name:</b>	<b>Gender: M/F</b>	<b>Date of birth: Yyy-mm-dd</b>	<b>Nationality:</b>

<b>Telephone (office):</b>	<b>Fax (office):</b>	<b>Email (office):</b>	<b>Position held:</b>

<b>Academic degree:</b>	<b>Subject:</b>	<b>Institution:</b>	<b>From:</b>	<b>To:</b>

Related scientific experience:  
% of total working time devoted to the project:

<b>D. Main additional Scientific Staff</b>				
<b>Family Name:</b>	<b>First Name:</b>	<b>Gender: M/F</b>	<b>Date of birth: Yyy-mm-dd</b>	<b>Nationality:</b>

<b>Telephone (office):</b>	<b>Fax (office):</b>	<b>Email (office):</b>	<b>Position held:</b>

<b>Academic degree:</b>	<b>Subject:</b>	<b>Institution:</b>	<b>From:</b>	<b>To:</b>

Related scientific experience:  
 % of total working time devoted to the project:

**7. PROPOSED RESEARCH PROJECT** (if space provided below is insufficient, please attach additional sheets)

*A. Scientific Background*

*B. Scientific Scope of the Project:(Scientific problems to be addressed with overall and specific objectives)*

*C. Overall programme of work for the whole duration of the Contract, including proposed methods or techniques*

*D. Detailed programme of work for the coming year (used as reference for the annual progress report)*

*E. Expected outputs*

**8. RELATED WORK ALREADY PERFORMED OR IN PROGRESS AT INSTITUTE** (including work performed in connection with RCA Technical Cooperation Projects):

**9. FACILITIES and EQUIPMENT:**

Please list Facilities (building, equipment – including type and name of manufacturer, and materials) presently available, which would be used for the Project:

**10. Budget Estimate of the project by year (in Euro):**

Project Year	1.Staff Costs*	2.Equipment *	3. Miscellaneous **	Project Total (A+B+C)	4.Contribution by Institute	5. Contribution by Others (non-RCARO)	6.Contribution requested to RCARO
1st							
2nd							
3rd							
<b>Total</b>							

\* Please elaborate costs directly related to the project

\*\*Please elaborate on any miscellaneous costs. Do not include any travel costs associated with Research Coordination Meetings

**11. PROPOSED PROJECT COMMENCEMENT DATE:**

**12. ADDITIONAL INFORMATION (If required)**

**13. SIGNATURES:**

**CHIEF SCIENTIFIC INVESTIGATOR:**

**HEAD OF INSTITUTE:**

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Name and Title)

\_\_\_\_\_  
(Name and Title)

\_\_\_\_\_  
(Place and Date)

\_\_\_\_\_  
(Place and Date)

## Annex 4



### **RCA Regional Office**

c/o Korea Atomic Energy Research Institute  
989-111 Daedeok-daero, Yuseong-gu, Dae-jeon, 34057, Korea  
Tel: +82 42 868 2778  
Fax: +82 42 864 1626  
<http://www.rcaro.org>

## **PROPOSAL FOR RESEARCH AGREEMENT**

This proposal is endorsed by the National RCA Representative of \_\_\_\_\_ (country name),  
\_\_\_\_\_ (name), \_\_\_\_\_ (date), \_\_\_\_\_ (Signature).

**PLEASE SEND YOUR PROPOSAL FOR RESEARCH AGREEMENT TO: [rcarp@rcaro.org](mailto:rcarp@rcaro.org). ONLY DULY COMPLETED AND SIGNED PROPOSALS WILL BE PROCESSED.**

<b>1. TITLE OF RESEARCH PROJECT UNDER WHICH THIS RESEARCH AGREEMENT IS PROPOSED:</b>	
<b>2. TITLE OF PROPOSED RESEARCH AGREEMENT PROJECT:</b> <i>(Should reflect the objective of the proposed research work)</i>	
<b>3. CONTRACTING INSTITUTION:</b> <i>(The contracting institutions can ONLY be an institute with independent legal personality)</i>	<b>4. IMPLEMENTING INSTITUTION:</b> <i>(Where the research is to be performed. This can be the contracting institution or a sub-institution, branch of a laboratory)</i> If not the contracting institute, please provide:
Inst. Name:  Street: P.O.Box: Postal Code: City: Region/District: Country: Tel: Email: Web Page:	Inst. Name:  Street: P.O.Box: Postal Code: City: Region/District: Country: Tel: Email: Web Page:
<b>5. SUMMARY OF PROPOSED RESEARCH:</b>	

**6. PROJECT PERSONNEL (if space provided below is insufficient, please attach additional sheets)**

**A. Chief Scientific Investigator (CSI)**

<b>Family Name:</b>	<b>First Name:</b>	<b>Gender: M/F</b>	<b>Date of birth: Yyy-mm-dd</b>	<b>Nationality:</b>

<b>Telephone (office):</b>	<b>Fax (office):</b>	<b>Email (office):</b>	<b>Position held:</b>

<b>Academic degree:</b>	<b>Subject:</b>	<b>Institution:</b>	<b>From:</b>	<b>To:</b>

Related scientific experience:

Recent publications related to the project (within the past 2-3 years):

% of total working time devoted to the project:

<b>B. Secondary CSI (if applicable)</b>				
<b>Family Name:</b>	<b>First Name:</b>	<b>Gender: M/F</b>	<b>Date of birth: Yyy-mm-dd</b>	<b>Nationality:</b>

<b>Telephone (office):</b>	<b>Fax (office):</b>	<b>Email (office):</b>	<b>Position held:</b>

<b>Academic degree:</b>	<b>Subject:</b>	<b>Institution:</b>	<b>From:</b>	<b>To:</b>

Related scientific experience:

% of total working time devoted to the project:

<b>C. Main additional Scientific Staff</b>				
<b>Family Name:</b>	<b>First Name:</b>	<b>Gender: M/F</b>	<b>Date of birth: Yyy-mm-dd</b>	<b>Nationality:</b>

<b>Telephone (office):</b>	<b>Fax (office):</b>	<b>Email (office):</b>	<b>Position held:</b>

<b>Academic degree:</b>	<b>Subject:</b>	<b>Institution:</b>	<b>From:</b>	<b>To:</b>

Related scientific experience:

% of total working time devoted to the project:

<b>D. Main additional Scientific Staff</b>				
<b>Family Name:</b>	<b>First Name:</b>	<b>Gender: M/F</b>	<b>Date of birth: Yyy-mm-dd</b>	<b>Nationality:</b>

<b>Telephone (office):</b>	<b>Fax (office):</b>	<b>Email (office):</b>	<b>Position held:</b>

<b>Academic degree:</b>	<b>Subject:</b>	<b>Institution:</b>	<b>From:</b>	<b>To:</b>

Related scientific experience:

% of total working time devoted to the project:

**7. PROPOSED RESEARCH PROJECT (if space provided below is insufficient, please attach additional sheets )**

*A. Scientific Background*

*B. Scientific Scope of the Project:(Scientific problems to be addressed with overall and specific objectives)*

*C. Overall programme of work for the whole duration of the Contract, including proposed methods or techniques*

*D. Expected outputs*

*Please note that as a condition of an RCA Research Agreement, all information, data and research results gathered during the course of the RP are made freely available to other participants and other relevant authorised parties.*

**8. FACILITIES and EQUIPMENT:**

**Please list Facilities (building, equipment – including type and name of manufacturer, and materials) presently available, which would be used for the Project:**

**9. PROPOSED PROJECT COMMENCEMENT DATE:**

**10. ADDITIONAL INFORMATION (If required)**

**11. SIGNATURES:**

**CHIEF SCIENTIFIC INVESTIGATOR:**

**HEAD OF INSTITUTE:**

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Name and Title)

\_\_\_\_\_  
(Name and Title)

\_\_\_\_\_  
(Place and Date)

\_\_\_\_\_  
(Place and Date)

Annex 5



**RCA Regional Office**

c/o Korea Atomic Energy Research Institute  
 989-111 Daedeok-daero, Yuseong-gu, Dae-jeon, 34057, Korea  
 Tel: +82 42 868 2778  
 Fax: +82 42 864 1626  
<http://www.rcaro.org>

**Annual Progress Report for Research Contract**

(Please complete all sections and send your report electronically to: [rcarp@rcaro.org](mailto:rcarp@rcaro.org))

<b>Title of the Research Project under which this Research Contract is implemented:</b> Air Quality and Environmental Impact Assessment of Industrial Activities in Asian Region	
<b>Title of the Research Contract Project:</b>	
<b>Institute Name:</b>	
<b>CSI Name:</b>	<b>Alternate CSI Name:</b>
<b>Progress Report for year:</b> (1,2,3 etc.)	<b>Period Covered:</b> (yy-mm-dd –yy-mm-dd)

1. Detailed programme of work, as planned at the beginning of the period taking into account the recommendations given during the Research Coordination Meetings (RCMs) and / or through communications with /RRC/RCARO:												
2. Results against work plan for the current year, including quantitative data if applicable ( <i>please attach technical documents if needed</i> ):												
3. Publications and conferences including stakeholder meetings held on the work performed under this project ( <i>please enter web-link or attach copies to this progress report</i> ):												
4. Activities included in the programme of work which were planned, but were not implemented. Please state reason ( <i>i.e.: delays, issues encountered</i> ):												
5. Please provide a short financial overview on how the RCARO contribution to this Project was used and if other contributions from other sources of funding were used for the implementation of the project:												
<ul style="list-style-type: none"> <li>● <b>RCARO Contribution</b></li> </ul> <table border="1"> <thead> <tr> <th>Activity/Year</th> <th>Expenditures</th> <th>Balance</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>TOTAL</td> <td> </td> <td> </td> </tr> </tbody> </table>	Activity/Year	Expenditures	Balance							TOTAL		
Activity/Year	Expenditures	Balance										
TOTAL												

● **Other financial contributions, if any:**

6. Detailed work plan for the coming year, taking into account the recommendations given during the Research Coordination Meetings (RCMs) and / or through communications with RRC/RCARO (*to be used as reference for the next Progress Report*):

**CSI Name and Signature:**

**Date and Place:**

## Annex 6



### **RCA Regional Office**

c/o Korea Atomic Energy Research Institute  
989-111 Daedeok-daero, Yuseong-gu, Dae-jeon, 34057, Korea  
Tel: +82 42 868 2778  
Fax: +82 42 864 1626  
<http://www.rcaro.org>

## **Annual Progress Report for Research Agreement**

(Please complete all sections and send your report electronically to: [rcarp@rcaro.org](mailto:rcarp@rcaro.org))

<b>Title of the Research Project under which this Research Agreement is implemented:</b> Air Quality and Environmental Impact Assessment of Industrial Activities in Asian Region	
<b>Title of the Research Agreement Project:</b>	
<b>Institute Name:</b>	
<b>CSI Name:</b>	<b>Alternate CSI Name:</b>
<b>Progress Report for year:</b> (1,2,3 etc.)	<b>Period Covered:</b> (yyy-mm-dd –yyy-mm-dd)

1. Detailed programme of work, as planned at the beginning of the period taking in to account the recommendations given during the Research Coordination Meetings (RCMs) and / or through communications with /RRC/RCARO:
2. Results against work plan for the current year, including quantitative data if applicable ( <i>please attach technical documents if needed</i> ):
3. Publications and conferences including stakeholder meetings held on the work performed under this Project ( <i>please enter web-link or attach copies to this progress report</i> ):
4. Activities included in the programme of work which were planned, but were not implemented. Please state reason ( <i>i.e.: delays, issues encountered</i> ):
5. Detailed work plan for the coming year, taking into account the recommendations given during the Research Coordination Meetings (RCMs) and / or through communications with RRC/RCARO ( <i>to be used as reference for the next Progress Report</i> ):

**CSI Name and Signature:**

**Date and Place:**

## Annex 7



### **RCA Regional Office**

c/o Korea Atomic Energy Research Institute  
989-111 Daedeok-daero, Yuseong-gu, Dae-jeon, 34057, Korea  
Tel: +82 42 868 2778  
Fax: +82 42 864 1626  
<http://www.rcaro.org>

## **Final Report for Research Contract**

(Please complete all sections and send your report electronically to: [rcarp@rcaro.org](mailto:rcarp@rcaro.org))

<b>Title of the Research Project under which this Research Contract is implemented:</b> Air Quality and Environmental Impact Assessment of Industrial Activities in Asian Region	
<b>Title of the Research Contract Project:</b>	
<b>Institute Name:</b>	
<b>CSI Name:</b>	<b>Alternate CSI Name:</b>
<b>Period Covered:</b> (yyy-mm-dd – yy-mm-dd)	
1. Overall programme of work, taking into account the recommendations given during the Research Coordination Meetings (RCMs) and / or through communications with the RRC/RCARO:	
2. Summary which describes in brief form the experimental method, results and conclusions drawn:	
3. Detailed results achieved against work plan including quantitate, if applicable ( <i>please attach technical documents if needed</i> ):	
4. Publications and conferences including stakeholder meetings held on work performed under this Project ( <i>please enter web-link or attach copies to this report</i> ):	
5. PhD and Masters' theses that included data from this project:	
6. Activities included in the programme of work which were planned, but were not implemented. Please state reason (i.e.: delays, issues encountered):	
7. Please provide a short financial overview on how the RCARO contribution to this Project was used and if other contributions from other sources of funding, were used for implementation of the project:	

● RCARO Contribution

Activity	Expenditures	Balance
Year 1		
Year 2		
Year 3		
TOTAL		

● Other financial contributions, if any:

8. Please describe the impact and relevance of this Project, as well as any recommended follow-up actions:

**CSI Name and Signature:**

**Date and Place:**

## Annex 8



### **RCA Regional Office**

c/o Korea Atomic Energy Research Institute  
989-111 Daedeok-daero, Yuseoung-gu, Dae-jeon, 34057, Korea

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<http://www.rcaro.org>

## **Final Report for Research Agreement**

(Please complete all sections and send your report electronically to: [rcarp@rcaro.org](mailto:rcarp@rcaro.org))

<b>Title of the Research Project under which this Research Agreement is implemented:</b> Air Quality and Environmental Impact Assessment of Industrial Activities in Asian Region	
<b>Title of the Research Agreement Project:</b>	
<b>Institute Name:</b>	
<b>CSI Name:</b>	<b>Alternate CSI Name:</b>
<b>Period Covered:</b> (yyy-mm-dd – yy-mm-dd)	
1. Overall programme of work, taking into account the recommendations given during the Research Coordination Meetings (RCMs) and / or through communications with the RRC/RCARO:	
2. Summary which describes in brief form the experimental method, results and conclusions drawn:	
3. Detailed results achieved against work plan, including quantitate, if applicable ( <i>please attach technical documents if needed</i> ):	
4. Publications and conferences including stakeholder meetings held on the work performed under this Project ( <i>please enter web-link or attach copies to this report</i> ):	
5. PhD and Masters' theses that included data from this project:	
6. Activities included in the programme of work which were planned, but were not implemented. Please state reason (i.e.: delays, issues encountered):	
7. Please describe the impact and relevance of this Project, as well as any recommended follow-up actions:	

**CSI Name and Signature:**

**Date and Place:**