



RCARO Director's Report on

Progress of the RCARO Activities in 2019

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1. Increasing the Awareness of the RCA



Production of Promotional Materials

- **A New RCA Brochure (2019 Edition)**
 - RCARO in collaboration with RCA experts worked on the draft of a new RCA brochure to be submitted to the NRs for approval.
- **7th Batch of RCA Success Stories**
 - Candidate projects (completed in 2015-2018) have been reviewed and prioritized.
 - RAS6071, RAS6083 and RAS7029 were given high priorities by RCA NRs.
 - RCARO will publish 2 Success Stories: one in Human Health (the combination of RAS6071 and RAS6083) and one in Environment (RAS7029).



Draft RCA Brochure (2019)

1. Increasing the Awareness of the RCA



Operation of RCARO Website

● Current Project Information Updated

- Project platform on RCARO Website was upgraded to accommodate more detailed project information.

* Project materials database (recommended by the 41st NRM) & project overall information updated (NPC, ANPC, RRU) (recommended by the WG on RCA MTS Coordination)

● Pre-concepts for the 2022-2023 RCA Programme

- RCARO created a new platform on the website for the GPs to freely upload and download the pre-concepts.

Programme Cycle 2022-2023

Download the Pre-Concept Template

Food & Agriculture	Energy Planning	Environment
Human Health	Industry	Radiation Safety

Food & Agriculture

- Food_Safety_and_Trade_BGD.pdf
- WE_Mutation_Breeding.doc
- Phytosanitary_irradiation_as_Quarantine_Treatment_of_Tropical_Fruit_to_Meet_Technical_Export_Requirements.p
- India-Agriculture-landraces.docx
- AUL_Agro-Contaminants_FINAL.pdf
- AUL_SIT_FINAL.pdf
- CHINA-Agriculture-Supporting_Integrated_Isotopic_Approaches_to_Adapt_Drought_Floods_and_Land_Degradation_in_agro

Assessing and Improving Soil and Water Quality to Minimize Land Degradation and Enhance Crop Productivity Using Nuclear Techniques

Project Number: RAS/5/084
Year: 2018 – 2021
Lead Country: Australia
Lead Country Coordinator (LCC): Mr Timothy John Ralph
National Project Coordinator (NPC) / Alternate National Project Coordinator (ANPC)

Country	NPC	ANPC
Bangladesh	Dr. Md. Mohsin Ali	Dr. Md. Mahbulul Alam Tarafdar
Cambodia	Mr. Am Phirum	Mr. Thon Mao
China	Mr. CHEN Gang	
Fiji	Mr. Ami Chand Sharma	
India	r. V. P. Venugopal	Dr. S. T. Mehetre
Indonesia	Md. Ania Citra Respmi	Mr. Rija Sudirja
Japan	Yuichi ONDA	Ichiro TAYASU

Regional Resource Unit (RRU)

Country	Name of organisation
Australia	Austin Health
Bangladesh	Executive office of Nuclear Energy Commission
Indonesia	Center of Applied Nuclear Science and Technology (CANST), National Nuclear Energy Agency of Indonesia (BATAN)
Malaysia	Centre for Diagnostic Nuclear Imaging, University Putra Malaysia
Pakistan	Karachi Institute of Radiotherapy and Nuclear Medicine

Documents

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1. Increasing the Awareness of the RCA



Promotion of RCA at Regional/International Events

● RCARO's Promotional Activities

- 6th Asia-Pacific Forum on Sustainable Development (APFSD 2019), 27-29 March 2019, Thailand
- Vietnam Conference on Nuclear Science and Technology (VINANST-13), 7-9 August 2019, Vietnam

● RCA Expert Support Programme

- MAL expert was supported and NEP expert will be supported in 2019 for their participation to the regional/international events and their RCA promotional activities.
- Selection process for the candidates for the next cycle 2020 was undertaken.



Promoting RCA at APFSD 2019 (THA) and VINANST-13 (VIE)

2. Enhancing and Exploring Partnerships



RCA/UNOSSC Project

(“Electron Beam Applications for Value Addition to Food and Industrial Products and Degradation of Environmental Pollutants in the Asia-Pacific Region”, Phase 2: 2017-2020)

- **Regional Training Course on Advanced Knowledge and On-site Training on Electron Beam Applications for Advanced Materials (10-14 Jun. 2019, ROK)**
 - 16 participants from 12 countries were trained through lectures and hands-on experiments.
- **Expert Mission (4-7 Mar. 2019, VIE)**
 - 42 participants from various sectors participated to share their experiences with the dispatched experts through a national workshop, technical visits, on-site consultations and meetings.
- **Extension of the Project**
 - Responding to the current growing needs on the EB technology, the project was extended to further one year by 2020, as per the suggestion by participating GPs and UNOSSC.



RTC 2019 (ROK)



RTC 2019 (ROK)



Expert Mission 2019 (VIE)

2. Enhancing and Exploring Partnerships



ASEAN/ASEANTOM Partnership

- Expanding the RCA-ASEAN Partnership

- Considering the growing needs of the ASEAN community on nuclear safety and security, RCARO has discussed possible collaborative activities with the ASEANTOM*.

* ASEAN Network Regulatory Bodies on Atomic Energy (ASEANTOM)

ASEANTOM is a network of ASEAN regulatory bodies and is an officially appointed point of contact of the IAEA

- Regional Training Course on Rapid Radiation Measurement and Individual Dose Assessment following Nuclear & Radiological Emergency will be held on 7-11 Oct. 2019, in Thailand.

IAEA/RCARO Workshop

- IAEA/RCA Regional Workshop on Regulatory Body Communication and Consultation with Relevant National Stakeholders (8-12 Jul. 2019, ROK)

- The workshop provided training for 13 participants from 10 countries on developing communication mechanisms that can effectively control radiation facilities and activities.



IAEA/RCA Workshop 2019 (ROK)

3. Expanding Support for the GPs and the RCA



RCA Research Project

(“Air Quality and Environmental Impact Assessment of Industrial Activities in the Region”, 2018-2020)

- **Research Coordination Meeting and Technical Workshop (24-26 Jun. 2019, MON)**
 - 21 participants attended the meeting to review the project progress and confirm work plan 2019-2020.
 - The Meeting noted a good progress of the project in accordance with work plans, in terms of data collection (samples analysis) and collaborative research activities.
- **Preparation for the 2nd Phase (2021-2023)**
 - Proposal for the 2nd phase was drafted to be approved by the RCA NRs.
 - In addition to air pollution, the 2nd phase expands the research areas of the current phase, involving the analysis of more various environmental samples such as water and soil.



Research Coordination Meeting (Jun. 2019, MON)

3. Expanding Support for the GPs and the RCA



Development of E-learning Modules : Follow-up of RAS6083

(“Improving Patient Care and Enhancing GPs Capacity in Nuclear Medicine Programme in RCA Region”, 2016-2018)

- **Completion of the Project and the Follow-up Activities**

- RAS6083 was completed in 2018.
- As recommended at the Mid-term and Final Review Meetings of RAS6083, two years of follow-up project was launched in 2019 for the development of the E-learning modules on nuclear medicine.

- **Expert Meeting for Development of E-learning Modules on Nuclear Medicine (24-26 Apr. 2019, ROK)**

- The Meeting identified the areas and contents, and designated lecturers for each module (30 topics in 5 areas) and also established guidelines for effective module development.
- RCARO established a new platform on the RCARO Website for the E-learning purposes.



Final Review Meeting (2018, SIN)



Expert Meeting (Apr. 2019, ROK)

3. Expanding Support for the GPs and the RCA



Supporting the IAEA for RCA Administrative Matters

- **41st NRM and 48th GCM**
 - RCARO supported the preparation and coordination of the NR meetings.
- **6th Meeting of RCA WG on RCA MTS Coordination (29 Jul. - 1 Aug. 2019, ROK)**
 - RCARO organized and participated in the 6th meeting of the WG on RCA MTS Coordination.
 - In line with the Work Plan 2019 of the WG, RCARO provided an update to the WG on the progress of uploading RCA project information.
- **Assisting the RCA Chair**
 - RCARO provided assistance to the RCA Chair in performing his duties.



41st RCA NRM (Mar. 2019, SRL)



Meeting of RCA WG on MTSC (Jul. 2019 ROK)

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THANK YOU

