

RCAGCM(50)/9

RCARO Director's Report on Progress of the 2021 Work Plan

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1. Overall Progress Status of the 2021 Work Plan

- According to the 2021 Work Plan approved by the 43rd NRM, RCARO has been successfully implementing most of projects and activities which were adjusted to respond to the COVID-19 pandemic and expand the beneficiaries by fully utilizing IT platforms and tools.
 - Additional e-Learning modules were developed in various areas including nuclear medicine, radiation safety, e-beam technology and other radiation applications, to provide sustained capacity building services through the RCA e-Learning Campus.
 - Virtual events were conducted in different modalities, such as open-to-all webinars or online training courses for selected participants, aiming to achieve the set objective of each activity in the most effective and efficient manner.
 - RCARO initiated a plan to reform the RCA website as an integrated RCA information service system, which is expected to provide comprehensive information and online services, with a target to launch the system service in 2022.
- In addition, RCARO has sought for feasible measures which could expand the benefits of the RCA GPs and fulfill its mandates.
 - RCARO initiated preparation for a new RCA Research Project in the field of “radiation oncology,” which was identified as the GPs’ first priority area of research.
 - RCARO has made continuous efforts to seek for potential partnerships with other int’l/regional organizations and institutes. Accordingly, a new joint project with the NCEBR* of Texas A&M University is being developed. * National Center for Electron Beam Research

2.1 Establishment of an Integrated RCA Information Service System

- RCARO initiated a plan to reform the RCA website to provide **integrated information service** and contribute to facilitating efficient and effective implementation of the RCA Program.
 - Website for providing general information and news on the RCA
 - Gateway for archiving all necessary information of RCA projects and activities as well as regional status and trend on NS&T.
 - RCA e-Learning Campus for providing online education and training services to GPs and assisting conduct of diverse virtual activities.
 - Platform for managing RCARO activities, where GPs can get open access to information and data, and participate in RCARO activities.

2.2 Publication of RCA Newsletters

- RCARO plans to publish **RCA Newsletter** as a way to promote the RCA in today's digital era. Its first edition will be published and distributed via email to the target readers, starting from March 2022 in celebration of the RCA 50th Anniversary.
- A **publication committee** will be formed comprising of Publication Advisors (RCARO SAC members), Editorial Advisors (2-3 RCA experts) and RCARO, aiming to maintain reliability and quality of RCA Newsletter.

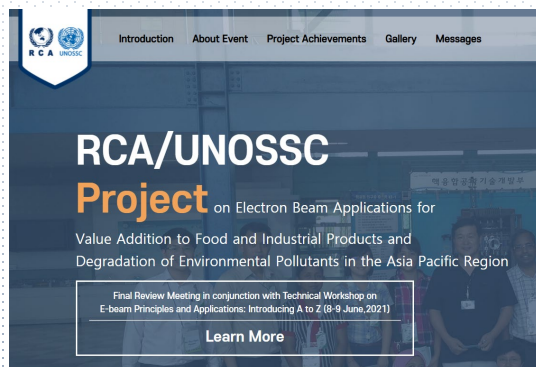
3. Enhancing Partnerships with Int'l/Regional Organizations

3.1 RCA/UNOSSC Project (e-Beam Applications, phase 1: 2013-2015, phase 2: 2017-2021)

- **Final review meeting and a technical workshop** was held virtually on 8-9 Jun., attended by 54 participants. An online exhibition was held to showcase the project achievements.
- For continued education, **e-Learning modules** on essential knowledge of EB technology were developed and an **online training course** was held on 30 Aug.-10 Sep., attended by 23 participants.
- **Final report** was published, compiling the outcomes and achievements of the project.



Final Review Meeting, 8-9 Jun.



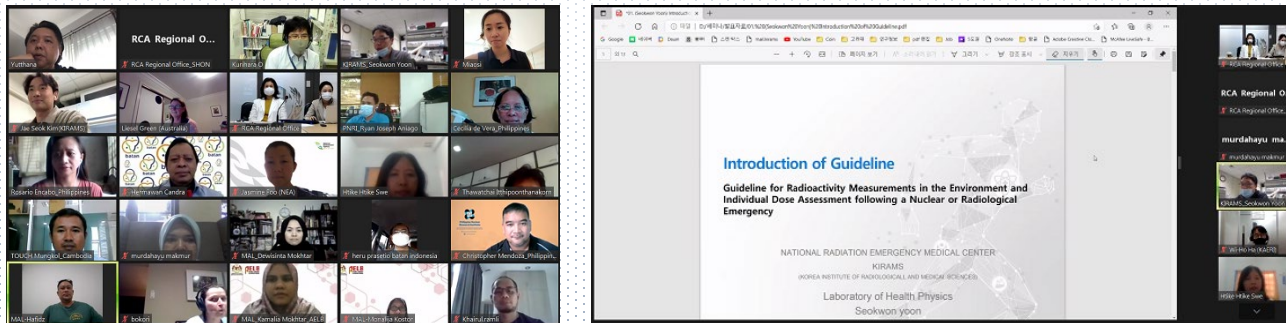
Online Exhibition on RCA/UNOSSC Project



Project Final Report

3.2 RCARO/ASEANTOM Project (Radiation Monitoring and Dose Assessment under EPR, 2020-2022)

- **Project coordination meeting** was held virtually on 4 Mar. to share national/regional status of EPR and confirm the work plan for 2021.
- **“Guideline for Radioactivity Measurements in the Environment and Individual Dose Assessment Following a Nuclear or Radiological Emergency”** has been developed. A **webinar** on introduction of the guideline was held on 31 Aug., attended by 58 participants.
- **Online training course** will be conducted on 22-26 Nov., providing e-Learnings and real-time lectures on advanced knowledge of radiation monitoring and dose assessment as well as on EPR system and relevant facility.



Webinar on Introduction to the Guideline, 31 Aug. 2021

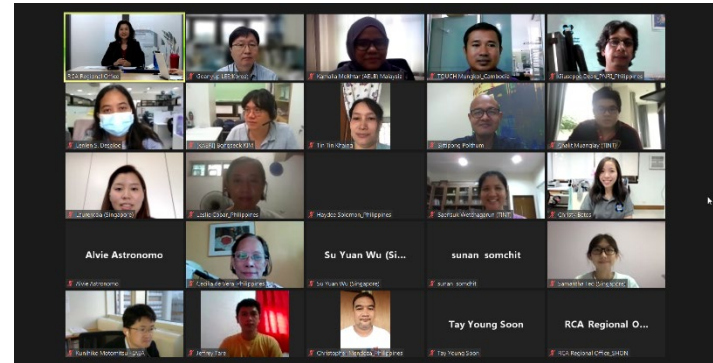
3.3 RCA/ARCCNM Workshop

- Online training workshop on nuclear medicine will be held on 1-3 Nov. 2021

4. Expanding Support for the Benefit of the GPs

4.1 RAS9092 (EPR for Cat. II and III Facilities, 2020-2024)

- **Webinar** on introductory learning on EPR and IAEA safety standards was held on 7 Sep., attended by 36 experts from national regulatory bodies and operating organizations for helping GPs formulate EPR plans.



Webinar on Introduction to IAEA Standards and Protection Strategies, 7 Sep. 2021

4.2 RCARO Managed Project: A New Research Project

- As approved by the 43rd NRM, RCARO conducted a survey of GPs to identify priority areas for developing a **new Research Project (RP)**.
 - 15 GPs responded and showed 'radiation oncology' as the highest priority
- A total of nine (9) RP Theme proposals were submitted by 8 GPs, which underwent RRC's review; 3 proposals with prioritization were submitted to the SAC for consideration.
- Upon decision of the 50th GCM, GPs will be invited to submit research proposals. Participating GPs and the start date will be confirmed subject to budget availability.

4.3 RCA e-Learning Campus

- Responding to the recommendation of the 32nd SAC on expansion of e-Learning modules, RCARO has been upgrading the Campus to accommodate more learning contents and improve its functions, along with the establishment of the integrated information system.

4.4 Capacity Building through Korean Institutes/Universities

- RCARO/KAIST* Nuclear Engineering Master's Degree Program
 - Currently a total of four students (SRL, MAL from 2020, PHI, INS) are being supported, using online communication tools. * KAIST: Korea Advanced Institute of Science and Technology
- RCARO/KINGS Master's Degree Course in Energy Policy
 - RCARO plans to implement a two-year master's degree course in energy policy in cooperation with KINGS, commencing from the spring semester of 2022. Two to five selectees from GPs will benefit from each course subject to budget availability.

* KINGS: KEPCO International Nuclear Graduate School

- Capacity Building Activities on Radiation Technology
 - RCARO has been developing an integrated course covering the radiation application in thematic areas and radiation safety, and a training course on an area of focus of GPs will take place in the fourth quarter of 2021, engaging relevant Korean institutes.

5.1 Supporting the IAEA for RCA Administrative Matters

- RCARO supported the IAEA in its secretariat functions: preparation and coordination of the 43rd NRM and 50th GCM; and preparation of 2020 RCA Annual Report
- RCARO supported the WG on the RCA MTS 2018-2023 Coordination and WG on Drafting MTS 2024-2029 by arranging virtual meetings and sharing its views.

5.2 Assisting the RCA Chair for Coordination of Activities

- RCARO developed the “**Guide for the RCA Chair**” and has assisted the RCA Chair in coordinating RCA policy matters such as GOR revision and meeting preparations, etc.

5.3 Preparing the 50th Anniversary of the RCA

- As a member of STF, RCARO participated in the 3rd Meeting of the STF on 25 Aug. and shared ideas on preparing the activities for the 50th anniversary of the RCA.
- RCARO contributed to formulating an action plan for RCA exhibition and other activities for the 50th RCA Anniversary and reported it at the STF meeting.
- GPs are strongly encouraged to support the RCARO in the preparation of those activities (for special exhibition, video and a dedicated website) by providing inputs and insights as well as resource materials and documents.

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THANK YOU

