



RCANRM(43)/10

Report of the Director of the RCARO

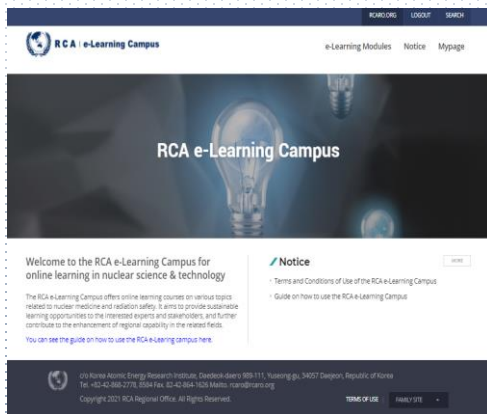
Work Performance in 2020 and Work Plan in 2021

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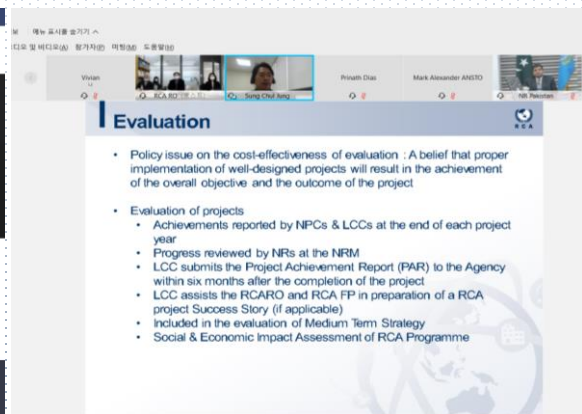
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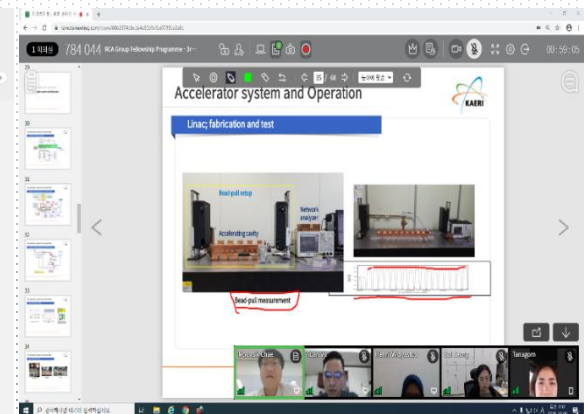
- Despite the unpredictable work environment under the COVID-19 pandemic experienced all the year round in 2020, RCARO has successfully done most of activities according to the 2020 Work Plan, which was revised and approved by the 42nd RCA NRM.
 - Various video conferencing and virtual learning tools have been utilized in order to meet the planned purposes and goals of each project activity.
 - Capacity building activities have been adjusted from off-line to on-line training courses by developing and applying optimized modalities for each e-learning course.
 - Some activities that require physical involvement of the participants have been postponed to later years (RCARO Fellowship, promotional activities, etc.).



Launching of RCA e-Learning Campus



Workshop for new NRs



Real-time Lecture during
RCA/UNOSSC Group Fellowship Program

Overall Work Performance in 2020

Objectives	Activities	Timeline			
		Q1	Q2	Q3	Q4
Increasing the awareness of the RCA	Publication of Success Stories				
	Operation of the RCA Website				
	Participation in 10ICI				
Expanding support for the benefit of the GPs	[RAS6083 follow-up] Expert Meeting				
	[RAS6083 follow-up] Development of e-Learning modules				
	[RAS9092] Project Coordination Meeting				
	[RCA RP] Preparations for the 2 nd Phase				
	[RCA RP] Review of Progress Reports				
	Introductory Workshop for new NRs				
Enhancing partnerships with int'l and regional organizations	[RCA/UNOSSC] Group Fellowship Program				
	[RCA/UNOSSC] Producing promotional video				
	[RCARO/ASEANTOM] Regional Training Course (e-Learning)				
	[RCA/ARCCNM] Workshop				
Assisting the GPs in capacity building	[KAIST] Master's Degree Program				
	[KAERI] Regional Training Course (e-Learning)				
	[iTRS] Regional Training Course (e-Learning)				
Providing support for the RCA	Supporting the IAEA for administrative matters				
	Assisting the RCA Chair				
	Participation in the STF Meeting				

- As the prolonged COVID-19 pandemic-induced travel restrictions is predicted to continue for 2021, RCARO will continue to make our best efforts for successfully implementing most of planned activities and expanding beneficiaries by fully utilizing the IT platforms and tools.
- To this end,
 - For implementing projects and activities as scheduled in 2021 work plan, meetings, workshops, training courses, and webinars will be conducted online, inviting various stakeholders and end-users to make the best use of the virtual event.
 - For providing the sustained education opportunities to the RCA stakeholders, diverse e-learning modules continue to be developed in areas of nuclear medicine, radiation safety, e-beam applications, and other radiation applications.
 - The RCARO Website continue to be upgraded and developed as an integrated RCA information service system for providing comprehensive nuclear S&T information as well as the RCA portal to be used as an online platform for meetings and learnings.
 - A regional survey of GPs to identify an appropriate research theme for a new Research Project (RP) will be conducted according to the procedures in RCA GOR.
 - E-RCA Newsletters will be published to enhance the visibility of the RCA, with its first issue being published in Oct. this year.

Objectives	Activities	Timeline			
		Q1	Q2	Q3	Q4
Increasing the awareness of the RCA	Operation of RCA Website (integrated information system)				
	Publication of Newsletters				
	Participation in IRPA15				
Expanding support for the benefit of the GPs	[RAS9092] Webinar				
	[RCA RP] Research Coordination Meeting				
	[RCA RP] Development of a new RP				
Enhancing and exploring partnerships	[RCA/UNOSSC] Final Review Meeting				
	[RCA/UNOSSC] Development of e-Learning modules				
	[RCARO/ASEANTOM] Coordination/Review Meeting				
	[RCARO/ASEANTOM] Regional Training Course (e-Learning)				
	[RCARO/ASEANTOM] Development of Guidelines				
	[RCA/ARCCNM] Workshop				
	Participation in the FNCA Coordinators Meeting				
Assisting the GPs in HRD	Operation of RCA e-Learning Campus				
	[KAIST] Master's Degree Programme				
	[KAERI] Regional Training Course (e-Learning)				
	RCARO Fellowship Programme (subject to pandemic situation)				
Facilitating the better implementation of the RCA Programme	Supporting the IAEA for administrative matters				
	Assisting the RCA Chair				
	Participation in the STF Meeting				

1. Increasing Awareness of the RCA

1.1 Publication of the 7th batch of RCA Success Stories

- As per the approval by the 48th GCM, RCARO published the 7th batch of the RCA success stories and uploaded the electronic version on the RCA website.
 - RAS7029 on air pollution matter; RAS6083 and RAS6071 combined in the field of nuclear medicine imaging and radionuclide therapy.



7th batch of RCA Success Stories

1.2 Provision of RCA Information Service through RCA Website

- As per the 41st NRM's recommendation, RCARO has continued to upgrade and update the RCA project related DB system in cooperation with LCCs, RCA FP and PAC Chair.
- RCARO will continue to improve the RCA website to provide more integrated information service and assistance with online activities to the RCA stakeholders.

1.3 Participation in Regional/International Events

- As approved by the 48th GCM, RCARO participated in 10th ICI held on 3-7 Feb. 2020 in Kuala Lumpur, MAL and set up an RCA booth to showcase RCA activities.
- RCARO participated in the IRPA15 held virtually on 18 Jan. to 5 Feb., 2021 and set up an e-booth to display digital panels on the RCA.
- WCNDT2020, where the selected expert (MAL) planned to participate, was postponed to 2022.



10th ICI (Feb., 2020)

1.4 Publication of Newsletters

- Aiming to further fulfill the mission on enhancing the visibility of the RCA, RCARO will publish RCA newsletters on a periodical basis, with its first issue to be published in Oct. this year.
- An Editorial Committee will be formed comprising 2-3 RCA experts and RCARO. The Committee will be tasked with planning, compiling and editing the contents.

2.1 Development of e-Learning modules on Nuclear Medicine (the follow-up project of RAS6083)

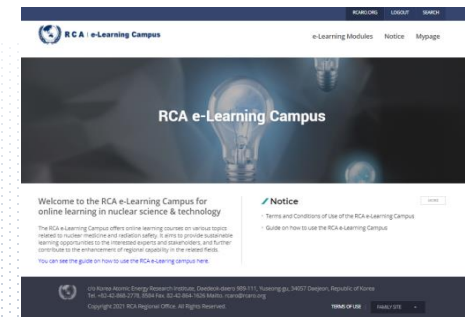
- Expert Meeting was held in Feb., 2020 in Philippines, with a view to reviewing 30 modules developed in 2019 and setting up a detailed work plan for 2020.
- The RCA e-Learning Campus was launched in June, 2020, with 30 modules initially uploaded and 20 modules later added which were developed in 2020.
- In 2021, additional modules will be developed subject to the budget availability.

2.2 RAS9092 (EPR for Cat. II and III facilities, 2020-2024)

- Project Coordination Meeting was held virtually in 29-30 Oct., 2020.
- A Webinar on introductory learning will be conducted in Q2., 2021.

2.3 RCARO Managed Project: RP (Air Pollution)

- Phase 1 (2018-2020): Review of annual progress reports by the RRC
- Phase 2 (2021-2023): Call for research proposals, twelve (12) countries confirmed to participate. Research Coordination Meeting was held virtually from 18 to 19 Mar., 2021.
- A new research project will be developed and launched if possible to address the regional needs identified through the survey of GPs as per the procedures of the RCA GOR.



RCA e-Learning Campus
(<http://rcaro.org/elearning/>)

2.4 Introductory Workshop for the new NRs

- As recommended by the 41st NRM, RCARO organized an introductory workshop of the RCA virtually for the new NRs in Dec., 2020, inviting twenty-seven (27) participants.

3. Enhancing Partnership with Int'l/Regional Organizations

3.1 RCA/UNOSSC Project (e-Beam Technology Applications, 2013-2021)

- A Group Fellowship Program was implemented virtually from Sept. to Oct., 2020, and the three invited fellows (INS, THA, VIE) successfully completed this course consisting of 32 lectures, 4 real-time lectures, consultations, assignments, and tests.
- To evaluate achievements made over the project duration, RCARO prepared the final project assessment report and produced a promotional video uploaded on the RCA website.
- Final Review Meeting will be held in Jun., 2021, in conjunction with Technical Workshop on E-beam Principles and Application, including an online exhibition on project achievements.
- As a follow up activity, a set of e-learning modules will be developed to continue to provide participating GPs with the essential knowledge ranging from EB accelerator to its applications.

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

- Eleven (11) e-Learning modules were developed for capacity building in the subject area, with the support of experts from relevant institutes in Thailand, Japan and Korea.
- Project Coordination Meeting was held virtually in Mar., 2021, to prepare a detailed work plan for implementing the project in 2021, inviting the LCCs and NPCs.
- Guidelines on radioactivity measurement and radiation dose assessment in the environment and the public will be developed by regional experts until August this year.
- An online regional training course on advanced knowledge on dose assessment and radiation monitoring will be conducted in Q4.

4.1 RCA e-Learning Campus

- Through e-Learning Campus, RCARO has provided online learning services with a total of 93 modules: 50 in nuclear medicine, 32 in E-beam technology, and 11 in radiation safety.
- RCARO will continue to develop new modules in expanded areas of nuclear S&T, as well as to upgrade the e-learning platform to provide improved education services to GPs.

4.2 Capacity Building through Korean Institutes/Universities

- RCARO/KAIST Nuclear Engineering Master's Degree Program
 - In 2020, two (2) students (MAL and SRL) have been supported by RCARO and in 2021 four (4) students will be supported (CPR, 2 MAL, SRL).
- Capacity Building on Radiation Technology
 - In 2020, an e-Learning course on radiation technology was held in Oct., inviting fourteen (14) trainees in cooperation with KAERI and an e-Learning course on radiation safety was held in Nov., inviting twenty-eight (28) trainees in cooperation with iTRS.
 - In 2021, RCARO will develop an integrated regional training program in cooperation with KAERI, covering radiation applications in thematic areas and radiation safety.

4.3 RCA/ARCCNM Training Workshop

- RCARO supported the workshop held in Jan., 2020, inviting twenty-three (23) trainees.
- RCARO will continue to support a workshop to be held in Nov., 2021.

5.1 Supporting the IAEA for RCA Administrative Matters

- IAEA-RCARO PA (practical arrangements) was extended and signing ceremony took place on 16 Oct., 2020.
- RCARO has supported the IAEA in its secretariat functions: preparation and coordination of the 42nd NRM, 49th GCM, and 43rd NRM.
- RCARO participated in the 7th Meeting of WG on MTS 2018-2023 Coordination (17-20 Feb., 2020) and virtual meetings on the mid-term review of the MTS 2018-2023.



Virtual Signing Ceremony



7th Meeting of WG on MTS 2018-2023 Coordination

5.2 Assisting the RCA Chair for Coordination of Activities

- RCARO has assisted the RCA Chair in coordinating RCA policy matters (GOR revision work, RCA policy meeting preparations, etc.) and developed a Guide for RCA Chair.

5.3 Participation in the Activities of Special Task Force (STF)

- As a member of STF, RCARO contributed to preparing a draft work plan for the 50th Anniversary of the RCA and reported it at the 42nd NRM.
- RCARO participated in the virtual meeting held on 13 Aug., 2020 and presented a detailed execution plan on the special exhibition and other activities.

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THANK YOU

