

Report of the Director RCARO

The report of the Director of the RCARO is herewith submitted to the NRM for the consideration of the National RCA Representatives.

The Report contains information related to

1. RCARO Work Performance for 2010 in table
2. A description of the Progress made in 2010 under the topics of
 - Increasing the RCA's awareness
 - Promoting partnerships for the RCA
 - Preservation of nuclear knowledge
 - Other activities
 - EB contribution
 - Supplementary activities
3. RCARO Work Plan for 2011 in table
4. A description of the Work Plan of 2011 under the topics of
 - Increasing the RCA's awareness
 - Successful implementation of UNDP Project
 - Promoting partnerships for the RCA
 - Preservation of nuclear knowledge
 - Increased interaction between Member States and RCARO

Proposed Action

The NRM may take note of the Report and approve the Work Plan for 2011 subject to any amendments.

RCARO 2010 Work Performance

	Target	Activities	Milestone				Performance Indicators	Status
			Q1	Q2	Q3	Q4		
1	Increasing the RCA's awareness	1.1 Publicity activities for increasing RCA's awareness					- Publication and distribution of the third round of RCA Success Stories (4 leaflets + 1 booklet)	Done
							- Preparation of the fourth round of RCA Success Stories	Done - 1 leaflet was published. - A draft success story in booklet on radiotherapy was being prepared.
							- Preparation for production of RCA promotional demo video	Done - A story line was approved at the 39 th GCM. - A contract with a vendor was made for production of a demo video.
							- Publication of revised RCA Brochure	Done
							- Preparation of promotional strategy	Done - RCA promotional strategy was approved at the 39 th GCM.

		1.2 Enhanced RCA information service through RCARO website					- Successful operation of RCARO website	Done
							- Incorporation of information on RCA projects from the RCA Members Only Homepage (MAL) into RCARO website	Done - Incorporated MOH data on RCARO website was demonstrated at the 32 nd NRM.
							- Updating data on RCA Stakeholders/end-users by Member States	Done - Data of BGD, CPR, MON, THA were updated.
							- Collection and input of new data from participants list of past and future RCA meetings	Done - Collected new data from documents provided by RCA-FP
		1.3 Participation in regional/ international meetings and support for the promotion of RCA activities					- Presentation and exhibition on RCA/RCARO activities to target audiences	Done - RCARO and RCA expert participated in regional/ international meetings for presentation and exhibition. - RCARO provided information on regional and international events on the RCA homepage.
							- Support to RCA experts for increasing awareness and promotion of RCA	Done - RCA experts were supported for success story, homepage management and

								promotional strategy.
2	Promoting partnerships for RCA	2.1 Development of project in partnership with UNDP					- Project development and application for partnership with UNDP	Done - One proposal on nuclear diagnosis was selected and contracted with UNDP in December 2010.
		2.2 Pursuing partnership with UNESCAP					- Consultation on the partnership for the Tsunami Trust Fund (TTF) of UNESCAP where the fund was available in 2010	Done - As TTF is focusing on early tsunami warning system, it was not easy to find a relevant project applying nuclear science and technology.
		2.3 Exploring partnership Development with regional/ international organizations					- Exploration and negotiation of partnership with regional/ international organizations	Done - Potential partnership projects were explored for GEF.
3	Preservation of nuclear knowledge	3.1 RCARO/KAIST Nuclear Engineering Master's Degree Course					- Implementation of the RCARO/ KAIST Master's Degree Course	Done - Two students are being supported for the Course.
		3.2 Support to the RCARO/ ARCCNM training course					- Implementation of the training course	Done - RCARO selected and supported 25 trainees with 5 lectures as well for training course held in December in Dhaka, BGD.
		3.3 RCARO/KAERI regional training workshop					- Holding regional training workshops	Done - RCARO/KAERI Regional Training Workshop on Research Reactor Utilization

							and Radiation Application Technology held in October in Korea
4	Other activities	4.1 Increased participation of Member States in RCARO activities				Inviting 3-4 temporary staff from MSs to RCARO	Done - Four temporary staffs were invited from BGD, MON, CPR, and THA.
		4.2 Participation in RCA policy meetings				Participation in the 32 nd NRM, the 39 th GCM and the MTS related meetings	Done - RCARO attended 32 st NRM, 39 th GCM and RCA MTS.
		4.3 Participation in the FNCA Coordinators Meeting				Participation in the 11 th FNCA Coordinators Meeting	Done - RCARO-Director participated in the meeting on behalf of RCA.
		4.4 Holding a workshop on enhancing RCARO interactions with Member States				Holding a workshop to review RCARO activities and future work plan including interaction with MSs	Done - RCARO held a workshop on “enhancing RCARO interactions with Member States” in July in Jeju Korea.
		4.5 Extra-budgetary contribution of RCARO				EB contribution of RCARO to the IAEA	Done (US\$40,000, RAS/9/042) - RAS/9/042/: Sustainability of Regional Radiation Protection Infrastructure
		4.6 Enhanced legal status of RCARO					- The necessity for enhancing the legal status of RCARO was discussed at the Jeju Workshop and RCARO was requested to

								<p>provide RCARO SAC and the 39th GCM with information on needs to enhance the legal status, consequential benefits to the member States and specific actions to be taken.</p> <p>- RCARO reported them to the 39th GCM, and was advised for a provision of detailed proposals regarding the strengthening of the legal authority of the RCARO to the 33rd RCA NRM.</p>
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RCARO 2010 Work Performance

1. Increasing awareness of RCA

1.1 Publicity activities for increasing RCA's awareness

RCARO published and distributed the third batch of RCA Success Stories, 4 leaflets and 1 booklet, on 4 areas (energy planning, tracer applications, livestock production and soil erosion) after revising the RCARO drafts according to the inputs from NZE and PAK for corrections for the booklet. The third batch of RCA Success Stories as well as the newly published RCA brochures was distributed at regional and international events.

Since the approval at the 32nd NRM of the publication of the fourth batch of Success Stories on the RCA/UNDP Partnership Project of the Post-Tsunami Environment Impact Assessment in leaflet form and Radiotherapy in booklet form, RCARO prepared a draft of the Success Story of the RCA/UNDP Partnership Project and submitted it at the 39th GCM for reviews and comments. A printed leaflet was published after circulating the draft among NRs three times and revising it to reflect inputs for corrections from PAK, IND, AUL, PLCC and RCA-FP as decided at the 39th GCM. Regarding the Success Story of the RCA activities in radiotherapy in booklet form, RCARO prepared a draft in consultation with Professor Dr. Tomoaki Tamaki of Japan Gunma University and RCA experts. A final draft will be presented to the 33rd NRM.

The list of published RCA Success Stories is given in annex 1.

A promotional video is recognized as an effective tool to introduce RCA and RCA activities and enhance the public awareness of RCA. The RCARO's suggestion of producing a promotional video was approved at the 32nd Meeting of National RCA Representatives. RCARO prepared a scenario of an RCA promotional video and presented at the 2010 Jeju Workshop on "Enhancing RCARO Interaction with Member States" to solicit further inputs. RCARO elaborated the scenario and distributed the refined version to the NRs and RCA experts for additional inputs. The 39th GCM approved the Story Line of the Promotional Video and agreed that the Story Line could be revised at the production stage for technical reasons, without changing the contents and substance of the approved version. RCARO made a contract with a well-qualified vendor for making a demo video, which is to be demonstrated at the 33rd NRM for comments and approval before release to the public.

The revised version of RCA brochure was published upon approval at the 32nd NRM and distributed to the NRs, IAEA, and RCA experts as well as participants in relevant regional and international meetings.

RCARO analyzed its past promotional activities and identified issues that need to be addressed. In line with the aim of performing more target-oriented promotional activities, RCARO developed a draft of the promotional strategy according to its analysis and classification of target audiences, and submitted it at the 32nd NRM where it was recommended to be further refined. RCARO worked on the promotional strategy and presented a refined version at the 2010 Jeju Workshop. Referring to the recommendations made at the workshop, RCARO prepared and submitted a RCA Promotional Strategy to the 39th GCM, which was approved. RCARO will implement its promotional activities in accordance with the approved Promotional Strategy.

1.2 Enhanced RCA information service through RCARO website

RCARO continued to improve its website for enhancing accessibility and usability with the aim of making it a hub of information flow within the RCA community. RCARO updated the stakeholders/end-users data of BGD, MON, CPR, and THA among the RCA Member States for effective communications. RCARO also collected new data on RCA stakeholders/end-users from the participant list of past and future RCA meetings from documents provided by RCA-FP.

At the 32nd NRM, RCARO reported the successful incorporation of the former Members Only Homepage (MOH) into the RCARO website and proposed that project information on the website be open to public for maximized use. The meeting recommended RCARO submit a proposal on the degree of public access to the MOH data and present at the 39th GCM. RCARO analyzed the MOH data and set criteria for public access to the MOH data. RCARO also took advantage of the 2010 Jeju Workshop to solicit further recommendations in this regard. Referring to the recommendations made at the workshop, RCARO prepared a proposal on the degree of public access to the data and submitted at the 39th GCM and specific criteria of the MOH data to be open to public have been decided.

RCARO established a plan for the renewal of RCA homepage and refined it at the 2010 Jeju Workshop by making it a topic for discussion. Referring to the recommendations made at the workshop, RCARO designed the new RCA website for enhanced accessibility and user friendliness with reorganization of incorporated MOH data, incorporating additional data provided by RCA-FP during the 39th GCM and introduction of new tools such as content management system, searching function and user's space for information change among end-users and stake-holders of RCA Member States. In accordance with the renewal work plan of the RCA homepage, RCARO made a contract with a qualified vendor. A renewed RCA website will be demonstrated at the 33rd NRM in 2011.

1.3 Participation in regional/international meetings and support for RCA activities

RCARO has been seeking opportunities to present on RCA activities to target audiences in order to

enhance the awareness of RCA and RCA activities in the beneficial application of nuclear science and technology for RCA Member States and to build partnership with regional and international organizations.

As approved at the 32nd NRM and the 39th GCM, RCARO participated and provided support for the participation of RCA experts in the following regional and international conferences in 2010 to enhance the awareness of RCA among target audiences.

- (1) Dr. John Easey's presentation at the WNU School on Radioisotopes held on 15 May to 4 June 2010 in Seoul, ROK
- (2) RCARO's Presentation at the 2010 China International Isotope and Radiation Processing Technology and Equipment and Symposium (CIRE) held on 11-13 June 2010 in Shanghai, China
- (3) RCARO's Participation at the International Conference on Nuclear Power Plant Technology and Safety held on 17 June 2010 in Hanoi, Vietnam
- (4) RCARO's Participation in exhibition booth at the Pacific Basin Nuclear Conference (PBNC) held on 24th to 30th October, 2010, Cancun, Mexico
- (5) RCARO's Presentation at RCARO/KAERI regional training workshop on research reactor utilization and radiation application technology from 4th to 15th in October 2010, ROK, in cooperation with KAERI.

RCARO enhanced the awareness of RCA and RCA activities to increase RCA visibility and to promote RCA viability to the participants through presentations, exhibitions, distribution of success stories in the region and international events, and the promotion of partnerships with experts from regional and international organizations.

RCARO supported RCA experts for publication of success stories, homepage management and preparing promotional strategy for increasing RCA's awareness and promotion of RCA. In addition, RCARO collected and provided information on regional and international events and posted it on the RCA website.

2. Promoting partnerships for RCA

2.1 Project development and application for partnership with UNDP

The 38th GCM reviewed and approved the two candidate partnership projects with UNDP regarding nano-molecular imaging technologies and electron-beam applications. RCARO made laborious efforts for successful application of the UNDP funding partnership projects.

In this regard, RCARO had meetings with the UNDP counterpart in 2010 as follows;

- (1) Consultation on the project applications for the UNDP Fund (February 2010, Daejeon)

RCARO participated in the consultation meeting which provided information on the project applications for the UNDP Fund. At the meeting, detailed agenda of the 2010 plan were discussed in preparation for the project development in partnership with the UNDP Fund.

(2) Meeting with the UNDP Officer (March 2010, Seoul)

The Director of RCARO met Chief of the UNDP South-South Regional Unit who is responsible for the UNDP Fund, providing information on RCA and on the development of partnership project with UNDP.

(3) Discussion on the UNDP Partnership Programme (July 2010, Jeju)

The Chief of the UNDP South-South Regional Unit introduced the UNDP South-South Programme 2010-2014 at the 2010 Jeju Workshop and discussed on the Programme with participating key RCA stakeholders.

(4) Participation in the Meeting on the UNDP Fund (August 2010, Bangkok)

RCARO participated in the meeting held in the UNDP Regional Office in Bangkok and presented on the two project proposals.

(5) Participation in the launching Meeting of the UNDP Fund (October 2010, Shanghai)

RCARO participated in the launching meeting held in Shanghai for discussion of the new UNDP project for 2010-2013.

(6) Participation in the Introductory Meeting for Application on the new UNDP Project(November 2010, Seoul)

RCARO participated in the introductory meeting held in Seoul for application of the new UNDP project for 2010-2013.

After the consultation with UNDP, RCARO and UNDP mutually understood the difficulties to apply both two projects at the same time considering the availability of UNDP fund, which led to the only one application of nuclear diagnosis project entitled as “Promoting and Accelerating Nuclear SPECT/PET Imaging Technologies in the Region” on the higher priority.

RCARO submitted the proposal to UNDP Regional Office in Bangkok in November 2010. RCARO’s proposal was reviewed with other proposals and selected in the last week of December. Following the notification, RCARO made a contract with UNDP Regional Office in Bangkok on 28 December 2010, which is expected to take effect in January 2011. A total fund of US\$500,000 (\$300,000 from UNDP and \$200,000 by RCARO matching subject to change by budget condition of RCARO) will be contributed for three years.

This project aims to promote health conditions to people in the Asian-Pacific Region (RCA) through facilitating and maximizing the application of Single Photon Emission Computed Tomography (SPECT) and Positron Emission Tomography (PET) imaging for clinical purposes by transferring knowledge, technologies, and practical experiences of developed countries to developing countries.

RCA Regional Office will lead the project with the support of RCA Member States and work in conjunction with Seoul National University, Seoul, Korea, which is the project leading country coordinator and the leading technology provider. The Department of Nuclear Medicine of Seoul National University, which has been designated as IAEA Collaborating Center for Nuclear Medicine and Molecular Imaging in December 2004. This project will be also conducted in collaboration with IAEA/RCA, ARCCNM (Asian Regional Cooperative Council for Nuclear Medicine), ASNM (Asian School of Nuclear Medicine), and local societies of nuclear medicine.

The main goal of the project is to promote and accelerate the use of nuclear imaging technologies in the RCA Region including Australia, Bangladesh, Myanmar, Korea, Indonesia, Malaysia, Mongolia, Philippines, Thailand, Vietnam and Nepal(to be participated after joining RCA) at national levels, and specifically the project will focus on the following aims for three years:

- 1) To facilitate the application of SPECT and PET imaging for medical clinics in the Region, which will have immediate impact on clinical practices;
- 2) To set-up learning, training and hands-on practice courses, which cover basic pathology with relevance to functional and molecular nuclear imaging, radiopharmaceutical productions, imaging and image generation, image analysis and interpretation, and their clinical applications;
- 3) To establish a regional network of experts and facilities for nuclear imaging technologies. The network will provide the channels of communication facilitating nuclear imaging technologies and exchange of information in the Region; and
- 4) To foster the capability of applications of imaging technologies in research and development in the Region.

2.2 Pursuing partnership with UNESCAP

UNESCAP TTF(Tsunami Trust Fund) became available in 2010 as a potential funding source of a partnership project. However, as the projects of UNESCAP are focused on the early tsunami warning system, it was not easy to find a relevant project applying nuclear science and technology to develop partnership project with RCARO.

RCARO may explore the next UNESCAP TTF round in consultation with RCA experts if it is compatible with RCA criteria.

2.3 Exploring partnership development with regional/international organizations

RCARO has explored international funding sources, in terms of funding availability, relevant to RCA

activities and compatibility with RCA terms and conditions, to identify appropriate partner organizations. As recommended at the 32nd NRM, RCARO reviewed ADB and GEF as potential funding organizations considering the feasibility of developing partnership projects. The search result was presented at the Jeju Workshop held in July 2010 for discussion and further recommendations. It was noted that ADB might be excluded from the list of potential funding donors because ADB's loan-based system conflicts with RCA's terms and conditions.

And information on the time frame for project development by potential donor agencies was recommended to be obtained and retained as well as focusing on organizations providing grants rather than loans.

3. Preservation of Nuclear Knowledge

3.1 RCARO/KAIST Nuclear Engineering Master's Degree Course

The nuclear knowledge preservation programme was initiated by RCARO in cooperation with the Korea Advanced Institute of Science and Technology (KAIST) for Nuclear Engineering Master's Degree Course.

Two students from INS and PAK were admitted to the RCARO/KAIST Nuclear Engineering Master's Degree Course in the Spring and the Fall semester of 2010 respectively. Two students from PHI and INS completed their studies by May 2010. Director of RCARO and a professor of KAIST visited India in November 2010 to promote the course and attract more students.

3.2 RCARO/ARCCNM training course

Encouraged by the successful holding of RCARO/Asian Regional Cooperative Council for Nuclear Medicine(ARCCNM) Training Course in 2008 and 2009, RCARO supported 25 trainees in addition to the support of 5 lectures in the training course held from December 17th to 18th, 2010 in Dhaka, Bangladesh.

3.3 RCARO/KAERI regional training workshop

RCARO hosted a regional training workshop for 13 selected participants from 9 Member States on research reactor utilization and radiation application technology held from 4th to 15th in October 2010, in cooperation with the Korea Atomic Energy Research Institute (KAERI).

4. Increased interaction between Member States and RCARO

4.1 Inviting 3-4 temporary staff to RCARO from Member States

RCARO has selected 4 temporary staff from BGD, MON, CPR and THA to take part in the activities of RCARO in 2010. Temporary staffs successfully completed their duties such as assistance in merging the MOH data into the RCARO website, updating stakeholder/end-user database, and collecting information on regional and international events and renewal of RCA website.

4.2 Participation in the 32nd NRM, the 39th GCM and MTS related meetings

RCARO participated in the MTS Working Group meeting for Regional Strategic Priorities and Analysis of Regional Profile held in February 2010, the 32nd NRM in Manila in April 2010 and the 39th GCM in Vienna in September 2010. RCARO also provided assistance to the operation of RCARO SAC meetings as secretariat at the 32nd NRM and the 39th GCM.

4.3 Participation in the 11th FNCA Coordinators Meeting

On behalf of RCA, RCARO participated in the 11th FNCA Coordinators Meeting held in March 2010, Tokyo, to discuss matters concerning the cooperation between RCA and FNCA. A summary of the views expressed on the three cooperative projects between RCA and FNCA are as follows:

- FNCA values the cooperation with RCA and hopes to strengthen the collaboration by RCA participation in some FNCA test activities
- The participation of non-FNCA RCA Member States in the cooperation with FNCA is encouraged; and
- There was no mention of enlarging the cooperative scope with RCA to other areas.

4.4 Holding a workshop on enhancing RCARO interactions with Member States

With a view to increasing RCARO interactions with the Member States, RCARO has held workshops annually or biannually to discuss effective interactions to support the Member States, to review RCARO role and activities, and to discuss future work plan with the presence of SAC Members, NRs and other relevant RCA experts, among others

As agreed at the 32nd NRM, RCARO held a Workshop on “Enhancing RCARO Interactions with Member States” in Jeju, Republic of Korea on 13-15 July 2010 with twenty two participants. The workshop was conducted in the following three sessions.

- Session 1: Achievements, Review and Analysis of RCARO Roles, and Future Directions for Better Interactions with Member States
- Session 2: Enhancing RCARO Interactions with Member States
- Session 3: Discussion on RCARO Current Issues

The Report of the Workshop is attached in Annex 2.

4.5 Extra-budgetary contribution of RCARO to the IAEA

RCARO and the ROK Government contributed Extra-Budget (EB) of US\$40,000 for the RCA project, RAS/9/042, “Sustainability of Regional Radiation Protection Infrastructure” in 2010.

4.6 Enhanced legal status of RCARO

As the Jeju workshop recommended, RCARO has provided information on needs to enhance the legal status, consequential benefits to the member States and specific actions to be taken to provide the required legal status for the RCARO to the 39th GCM. At the 39th GCM, RCARO has been advised for provision of detailed proposals regarding the strengthening of the legal authority of the RCARO to the 33rd RCA NRM.

Annex 1:**A List of published RCA Success Stories.**

Batch	Area	Title
1 st 5 leaflets (2007)	Environment	Nuclear analysis of airborne particles provides a key to alleviating air pollution
	Environment	Isotope hydrology helps find water fit to drink
	Industry	New materials from natural polymers: using nuclear technology to improve Nature's gifts
	Health	Restoring health and saving lives: global benefits from RCA's trail blazing
	Health	Distance assisted training' strengthens regional skills in nuclear medicine
2 nd 4 leaflets (2008)	Agriculture	Cultivating better crops for sustainable agriculture'
	Environment	Turning the tide against marine pollution
	Industry	Strengthen skills in NDT for regional industry
	Energy	Harnessing energy from the heart of the earth
3 rd 4 leaflets And 1 booklet (2010)	Agriculture	Improving Livestock Productivity while Conserving the Environment
	Environment (1 leaflet + 1 booklet)	Combating Soil Erosion-Caused Land Degradation in the Asia and the Pacific Region
	Industry	RCA Innovation Supporting Regional Chemical, Petrochemical and Petroleum Industries
	Energy	Enhanced Energy Analysis and Planning Capabilities



REPORT

2010 RCARO Workshop on Enhancing RCARO Interactions with Member States

13-15 July 2010

Jeju, Korea

RCA Regional Office

1. Introduction

As agreed at the 32nd Meeting of National RCA Representatives (NRM) in Manila, the Philippines, on 27-30 April 2010, the RCARO held a Workshop on “Enhancing RCARO Interactions with Member States” at the Ramada Plaza Hotel, Jeju, Republic of Korea on 13-15 July 2010. The total number of participants was twenty two including: three SAC members from ROK, PHI, and IAEA; the NR of Mongolia; eleven experts from Japan, Australia and Korea; the Chief of South-South Unit, UNDP Regional Centre, Bangkok; and six staff members of RCARO. The list of participants is given in Annex 1 (Note: all annexes referred to hereafter are posted on the RCARO website www.rcaro.org).

The Workshop was the fourth of its kind organized by RCARO, the first one having been held in 2005 in Jeju, the second in 2007 in Seoul, and the third in 2009 in Jeju.

2. Opening Session

2.1 Welcome Remarks by Dr. Mun-Ki LEE, Director, RCARO

Dr. Mun-Ki LEE, Dir-RCARO, warmly welcomed all the participants and thanked them for attending the Workshop in spite of their busy schedules. He noted that the Workshop had been an initiative to enhance RCARO interactions with Member States. He also noted that the RCARO would review outcomes of its past activities and explore ways to strengthen further its role in RCA. He observed that the Workshop was a valuable opportunity to share experiences and listed a number of tasks for the coming days such as finding ways to promote the RCARO role; further enhancing the visibility of the RCA Programme; attracting new partners and donor organizations; and, exchanging views on the future strategies for the RCARO. With that purpose in mind, he noted that the RCARO had been working on its webpage to incorporate Members Only Homepage (MOH) information and also on a scenario for a promotional video on the RCA.

He noted that the conclusions and recommendations from this Workshop would assist in further strengthening the operations of the RCARO. The Opening Remarks by the Dir-RCARO are given as Annex 2.

2.2 Congratulatory Remarks by Dr. DELA ROSA, NR (PHI) and RCA Chair

Dr. Alumanda DELA ROSA, NR (PHI) and current RCA Chair, in her congratulatory remarks, welcomed all the Workshop participants and spoke briefly about the importance of the Workshop.

2.3 Congratulatory Remarks by Mr. Jae-Shik SHIN, NR (ROK)

As NR of ROK, and on behalf of Mr. Nam Pyo HONG, Director General, Atomic Energy Bureau, MEST, Mr. Jae-Shik SHIN gave congratulatory remarks to the participants of the Workshop (Annex 3).

2.4 Introduction to the Workshop

Ms. Yunhee CHOI, Project Officer, RCARO, briefed the Workshop participants on the administrative arrangements and reviewed the agenda and meeting schedule.

The Workshop was informed that Session Chairs would be:

- Session 1 - Dr. Alumanda DELA ROSA;
- Session 2 - Dr. Prinath DIAS; and
- Session 3 - Dr. Sueo MACHI.

Ms. Bonhyun KOO agreed to serve as a rapporteur.

The Workshop Prospectus and Programme are given in Annex 4 and 5.

2.5 Special Presentation

Mr. Kwan-Kyoo CHOE, Principal Researcher, Korea Institute of Nuclear Non-proliferation and Control made a special presentation entitled “Nuclear Energy Uses and Nuclear Controls”. In the presentation, he introduced two aspects of the use of nuclear energy - peaceful uses and military uses - and set out the areas of activities undertaken by KINAC. He also emphasized the importance of transparency and respect for international cooperation for peaceful uses of nuclear energy.

3. Session 1 - Achievements, Review & Analysis of RCARO Roles, and Future Directions for Better Interactions with Member States

Dr. Alumanda DELA ROSA chaired this Session.

3.1 RCARO’s Role – Current Status and Future Directions

Dr. Maeng-Ho YANG, Head of Programme Division, RCARO, gave a presentation entitled “RCARO’s Role – Current Status and Future Directions” (Annex 6). This dealt with the following topics:

- RCARO Roles and Status;
- Past Achievements;
- Current status of RCA activities; and,
- Future Directions.

3.2 RCARO Participation on RCA Projects and Suggested Meetings

Dr. John EASEY, Senior Adviser, ANSTO and the former RCA Coordinator, gave a presentation entitled “RCARO Participation on RCA Projects and Suggested Meetings” (Annex 7). He reviewed a number of aspects of the tasks that the RCARO has to undertake to fulfil its mandate and linked these to the knowledge required to do these tasks at a high level. He examined specifically this in relation to:

- RCARO Roles and Status;
- RCARO Specific Tasks;
- RCA Strategic Priorities 2012-2017;
- Knowledge Requirements & Related RCA Events and Activities; and,
- Achieving an Optimal Balance in all RCARO Activities.

3.3 General Discussion for Conclusions and Recommendations

In Session 1, RCARO’s past achievements were noted with appreciation and mandates to further strengthen RCARO’s role in supporting the RCA were suggested. The conclusions and recommendations of Session 1 are

attached at the end of this report.

4. Session 2 - Enhancing RCARO Interactions with Member States

Dr. Prinath DIAS chaired this Session.

4.1 Promotion of RCA activities – Achievements and Future Direction

Dr. Jin-Hyung KIM, Head of Administration Division, RCARO, gave a presentation entitled “Promotion of RCA activities – Achievements and Future Direction” (Annex 8). His main focus was on the following topics:

- RCARO Promotional Activities;
- Achievements;
- Limitations and Solutions; and,
- Future Direction and Action Plans.

4.2 Directions for Enhancing Promotion of RCA activities

Mr. John K. CHUNG, RCARO Consultant, the former Head, Programme Division, RCARO, gave a presentation entitled “Directions for Enhancing Promotion of RCA Activities” (Annex 9). He covered the following topics:

- Recognition of a Legal Status for the RCARO;
- Enhanced Partnerships based on Ownership of Individual RCARO Initiated RCA Projects;
- Harmonization among Donor Countries in the RCA Region;
- Alignment of the Development of Strategies for Developing RCA Member States; and,
- Mutual Accountability between RCARO and RCA Member States.

He reviewed RCARO past and present activities and made some suggestions on future directions,

4.3 Promotion of Partnership - Current Status and Future Directions

Dr. Maeng-Ho YANG, Head of Programme Division, RCARO, gave a presentation entitled “Promotion of Partnership - Current Status and Future Directions” (Annex 10), which dealt with the following topics:

- Background;
- Recent Achievements;
- Current Issues; and,
- Future Directions.

4.4 Introducing the UNDP South-South/MEST Cooperation Programme

Mr. Denis NKALA, Chief, Regional South-South Unit (Asia and Pacific), from the UNDP Regional Centre in Bangkok, gave a presentation entitled “Introducing the UNDP South-South/MEST Cooperation Programme” (Annex 11). This presentation dealt with the criteria for proposals that will be implemented in the new cooperation programme in relation to the following topics:

- Millennium Development Goals;
- Lessons from the last Cooperation between UNDP Korea and projects implemented by institutions including RCARO;

- UN South-South Role in the proposed programme; and,
- Time-frames for the Processing of the Projects submitted by RCARO.

4.5 Effective Cooperation and Synergy of RCARO and IAEA - Roles of RCARO

Dr. Sueo MACHI, FNCA Coordinator, gave a presentation entitled “Effective Cooperation and Synergy of RCARO and IAEA - Roles of RCARO” (Annex 12). This dealt with the following topics:

- Better Coordination of RCA with IAEA TC Regional Programme in Asia;
- Sharing Work between the RCA Focal Person (FP) and the RCARO;
- Enhanced Coordination between the RCA Chair, FP and the RCARO;
- External Activities of the RCA and the RCARO;
- RCARO-funded Projects;
- Management Issues of RCARO; and,
- Fields of Activities Using Nuclear Technology that Meet Global Interests.

4.6 General Discussion for Conclusions and Recommendations

In Session 2, RCARO’s current activities in publicity and partnership building were debated in depth and future direction of RCARO was also discussed in detail. The conclusions and recommendations of Session 2 are attached at the end of this report.

5. Session 3 - Discussion on RCARO Current Issues

Dr. Sueo MACHI chaired this Session.

5.1 RCARO Homepage Management – Current Status and Future Direction, and Public Access to MOH Data

Dr. Jin-Hyung KIM, Head of Administration Division, RCARO, gave a presentation entitled “RCARO Homepage Management – Current Status and Future Direction” (Annex 13) with focus on:

- Background;
- Current Status and Issues;
- Future Directions; and,
- Implementation Schedule.

He also gave a presentation entitled “RCARO Homepage Management – Public Access to MOH Data” (Annex 14) with focus on:

- Background;
- Case Study - Guidelines on Privacy and Information;
- Case Study - MOH; and,
- Proposal – Degree of Public Access to the MOH.

5.2. Scenario of RCA promotional Video

Ms. Bon Hyun KOO, Project Officer, Programme Division, RCARO, gave a presentation entitled “Scenario of RCA promotional Video” (Annex 15), which dealt with:

- Background to the Production of a Promotional Video; and,
- Scenario for an RCA Promotional Video.

5.3. General Discussion for Conclusions and Recommendations

In Session 3, RCARO's current activities in homepage management and producing a promotional video were reviewed and debated in depth. The conclusions and recommendations from Session 3 are attached at the end of this report.

Conclusions and Recommendations

2010 RCARO Workshop on Enhancing RCARO Interactions with Member States

13-15 July 2010, Jeju, Korea

1. Session 1

Regarding Session 1 on RCARO's Achievements, Review & Analysis of RCARO Roles, and Future Directions, it was agreed that the following would be the conclusions and recommendations of Session 1:

Conclusions

- The RCARO has successfully implemented its mandates over the past eight years through its various programs including publication of success stories, promotional materials on RCA and its activities, participation in international/regional meetings and conferences, establishment of the RCARO homepage and the integration of the Members Only Homepage(MOH) with the RCARO website, nuclear knowledge preservation program, secondment of temporary staff from the Member States, and successful implementation of the UNDP-Korea funded Tsunami project.

Recommendations related to RCARO Current Status and Future Directions

- The RCARO should establish an integrated and strategic approach for the use of its human and physical resources to the maximum effect for the benefit of the RCA Programme. The assistance of the Member States is needed to enable the RCARO to serve the RCA to the fullest extent.
- The RCARO should make extensive reference to the RCA archived records on the projects, meeting proceedings, guidelines and procedures for undertaking the RCA activities as a rich source of knowledge on the RCA programme.
- The RCARO is encouraged to take a proactive role in setting and incorporating result-based indicators for new RCARO-initiated projects.
- The RCARO should maintain linkages with people involved in the past and present RCA programmes as a means to provide effective transfer of knowledge to RCARO on RCA activities. Close coordination and cooperation between the RCARO, the RCA Focal Person and the RCA Chair should be maintained.

Recommendations related to RCARO Participation in RCA Projects and Meetings

- The RCARO's participation in key RCA activities is recommended to facilitate the effective accumulation of essential knowledge required to carry out the RCARO's present and future tasks.
- The RCARO should be involved in the whole spectrum of the RCA programme and particularly in assisting the Member States at certain stages of the project cycle such as in the design of projects, in the monitoring of the progress of project implementation, and in the evaluation of the project at a post-project stage.
- Because of the RCARO's finite physical, human and financial resources, it is recommended that the top priority projects be assisted at an initial stage.

2. Session 2

Regarding Session 2 on Enhancing RCARO Interactions with Member States, it was agreed that the following would be the conclusions and recommendations of Session 2:

1. Recommendations related to future direction of RCARO

- To accept the proposal for Strategic Promotion given below subject to better definition of the target groups and editorial corrections

Purpose				
	General Public	Experts Outside of Nuclear Community	Experts Inside of Nuclear Community	Technical Policy Makers and Potential Funding Donors
Exploring Partnership		Booklet SS; Participation to events; Leaflet SS; Brochure; PR Video; Presentation.	RAS Final Reports; Booklet SS; RCA newsletters; Participation to events; Leaflet SS; Brochure; PR Video; Presentation.	Expert Visit; RAS Final Reports; Annual Reports; Booklet SS; RCA newsletters; Participation to events; Leaflet SS; Brochure; PR Video; Presentation.
Enhancing Awareness	Leaflet SS; Brochure; PR Video; Presentation.	Participation to events; Leaflet SS; Brochure; PR Video; Presentation.	RCA newsletters; Participation to events; Leaflet SS; Brochure; PR Video; Presentation.	Annual Reports; RCA newsletters; Participation to events; Leaflet SS; Brochure; PR Video; Presentation.

- To continue the publication of RCA Success Stories
- To publish Success Stories that highlight South-South Cooperation, in partnership with relevant UN and regional organizations
- To establish collaboration with communication groups of the Member States to obtain assistance in promoting RCA activities
- To prepare RCA Project achievement reports for publicity purposes in consultation with the

RCA FP and relevant PLCCs

2. Recommendations related to establishment of partnerships

- To focus on organizations that provide grants rather than loans
- To obtain and retain information on the time-frames for project development by potential donor agencies
- To conform to the following criteria adopted by the 36th RCA GCM held in 2007 on establishing partnerships:
 - a. regional involvement;
 - b. consistency with MTS goals specifically, the criteria for RCA projects; and,
 - c. compatibility and similar planning cycles with RCA programme; and ,
 - d. projects where nuclear techniques have a leading role to play.

It was noted that the Workshop on “Partnership Promotion and Sustainable Development” held in 2009 had also made recommendations on establishment of partnerships.

3. Recommendations related to South-South Cooperation

- To exchange details of the RCA Programme and the UNDP Regional South-South Programme at a meeting of the representatives from the two programmes to identify the potential for synergy in TCDC activities.

4. Recommendations related to enhancing the legal status of the RCARO

- To provide information to the next SAC Meeting and the 39th RCA GCM on ;
 - a) the need to enhance the legal status of the RCARO and consequential benefits it will provide to the Member States; and,
 - b) specific actions that have to be taken to provide the required legal status for the RCARO.

It was noted that this issue had been discussed at several fora in the past. It was also noted that there could be a need to revise the RCA Agreement to meet the current requirements of the RCA Programme, at the next extension of the Agreement in 2012.

3. Session 3

Regarding Session 3 on the Discussion on RCARO Homepage Management and a Scenario of RCA promotional video, it was agreed that the following would be the conclusions and recommendations of Session 3:

1. Recommendations related to RCARO Homepage Management

- Workshop supported the presented proposals on the renewal of the RCA public homepage subject to limiting the incorporation of information from the RCA MOH as stated below.
- Workshop recommended that the following project information from the RCA MOH could be included in the public website:

- a. The project document;
- b. The annual achievement report;
- c. A summary of outcomes of the progress review meetings to be prepared by the PLCC; and,
- d. Meeting schedules.

2. Recommendations related to RCA Promotional Video

- The RCA promotional video should include the following:
 - a. The RCA vision and mission statements;
 - b. The role of the IAEA in the RCA Programme; and,
 - c. Other RCA partners such as FNCA;
- The video should avoid the following:
 - a. Overstating to results to secure credibility;
 - b. Negative images in the beginning;
 - c. Giving too much information; and,
 - d. Giving numerical data in a too specific way.
- The video should be downloadable from the RCA website.
- The draft scenario should be circulated for detailed inputs from Workshop participants.

Note: These annexes and the report of the Workshop can be accessed from the menu bar “Meetings” at the top of the page on the RCARO website at www.rcaro.org

RCARO 2011 Work Plan

	Target	Activities	Milestone				Performance Indicators
			QT 1	QT 2	QT 3	QT 4	
1	Increasing awareness of RCA	1.1 Publicity activities for increasing RCA's awareness					1.1.1 Publication of the fourth round RCA Success Stories - 1 booklet on radiotherapy
							1.1.2 Production of promotional video on RCA activities
		1.2 Enhanced RCA information service through RCARO website					1.2.1 Redesign and operation of RCARO website
							1.2.2 Reorganization and updating of database (DB) - RCARO+MOH+IAEA provided data
							1.2.3 Updating data on RCA stakeholders/end-users by Member States
		1.3 Participation in regional/international meetings and support for the promotion of RCA activities					1.3.1 Presentation and exhibition on RCA/RCARO activities to targeted audiences
							1.3.2 Support to RCA experts for increasing awareness and promotion of RCA
2	Successful implementation of UNDP project	2.1 Holding a kick-off meeting					Holding a kick-off meeting to identify status and needs of participating countries, and to discuss and develop future work plan of the project
		2.2 Conducting the basic training on SPECT/PET and on-site regional					Enhancement of basic capacity of SPECT/PET imaging science and technology

		training					
		2.3 Monitoring and submission of progress report.					Preparation and submission of the progress report and financial report to UNDP.
		2.4 Annual review meeting and evaluation of the project					Hosting an annual review meeting to review and evaluate the performance of the project and discuss work plan for the next year
3	Promoting partnerships for RCA	3.1 Pursuing partnership with GEF					3.1.1 Investigation of GEF projects for developing a partnership project 3.1.2 Exploring possibility to apply nuclear techniques into GEF projects and RCA criteria 3.1.3 Consultation with GEF and RCA experts for developing a partnership project
		3.2 Exploring partnership development with regional/international organizations					Exploration of strategies for partnership with regional/international organizations
4	Preservation of nuclear knowledge	4.1 RCARO/KAIST Nuclear Engineering Master's Degree Course					Holding the RCARO/KAIST Master's Degree Course
		4.2 Support to the RCARO/ARCCNM training course					Holding the RCARO/ARCCNM training course
		4.3 RCARO/KAERI regional training workshop					Implementation of the RCARO/KAERI regional training workshop

5	Increased interaction between Member States and RCARO	5.1 Increased participation of Member States in RCARO activities					Inviting 3-4 temporary staff from MSs to RCARO
		5.2 Participation in RCA policy meetings					Participation in the 33 rd NRM, the 40 th GCM and relevant meetings as and if so decided
		5.3 Participation in the FNCA Coordinators Meeting					Participation in the 12 th FNCA Coordinators Meeting
		5.3 RCARO development of capabilities in project design and management					Participation in the LCC meeting
		5.5 Holding a temporary staff workshop enhancing RCARO interactions with Member States					Holding a temporary staff workshop to review RCARO activities and future work plan including interaction with MSs
		5.6 The legal status of RCARO					Preparation and submission of detailed proposals regarding the strengthening of the legal authority of RCARO to the 33 rd NRM
		5.7 Extra-budgetary contribution of RCARO					EB contribution of RCARO to the IAEA

RCARO 2011 Work Plan

1. Increasing the awareness of RCA

1.1 Publicity activities for increasing RCA's awareness

1.1.1 Publication of RCA Success Stories (fourth round)

As approved at the 39th GCM in 2010, RCARO will prepare a draft success story of Radiotherapy in a booklet form and submit it to the 33rd NRM in 2011 in Bali, Indonesia for review and comments prior to the publication. The refined success story will be published and distributed to NRs, RCA experts, IAEA and at the regional and international conferences.

Due to the large file size, a draft success story of Radiotherapy in a booklet form is not annexed to this report, but circulated separately to the NRs by the RCARO.

1.1.2 Production of the promotional video on RCA activities

As the draft storyline of RCA promotional video was approved at the 39th GCM, RCARO will produce and demonstrate a RCA promotional video at the 33rd NRM for additional comments. The successful completion of the video will be subject to the cooperation of MSs and relevant stakeholders. The completed video will be demonstrated and utilized as a part of promotional activities such as participation in the regional/international conferences and exhibition booth.

1.2 Enhanced RCA information service through the RCA Website

RCARO continues to improve its homepage for enhancing accessibility and usability to the higher level as a hub for information flow within the RCA community.

1.2.1 Redesign and operation of the RCA website

As RCARO renewal plan of RCA homepage was approved at the 39th GCM, RCARO will design and operate more user friendly homepage with introduction of new tools such as content management system, searching function and user's space for information exchange among end-users and stake-holders of RCA Member States and demonstrate it at the 33rd NRM.

1.2.2 Reorganization and updating of database (RCARO + MOH + IAEA provided data)

RCARO will sort and rearrange RCARO data, the MOH data, and documents provided by RCA FP consistent with the renewed homepage design. The MOH data will be open to the public to maximize utilization conforming to the decision of 39th GCM. The renewed RCA homepage with updated version of the MOH data will be demonstrated at the 33rd NRM.

1.2.3 Updating data on RCA stakeholders and end-users by Member States

In accordance with RCARO's efforts to update the database on the RCA stakeholders and end-users, the Member States are required to participate in the provision of data on relevant personnel in respective Member States. Member States' advices on effective use of the DB are solicited.

1.3 Participation in regional/international meetings and support for the promotion of RCA activities

RCARO will continue its efforts to promote RCA to target audiences at appropriate occasions through presentations and exhibitions, and to provide support to RCA experts in 2011.

1.3.1. Presentation and exhibition on RCA/RCARO activities to targeted audiences

To publicize RCA activities and performances, RCARO will actively participate in relevant events including the following, making presentations and organizing exhibitions:

- 1) IMRP Montreal 2011 – International Meeting on Radiation Processing, June 13~16 2011, Montreal, Canada
- 2) 2011 World Molecular Imaging Congress (WMIC), September 7~10 2011. San Diego Convention Centre, San Diego, California

RCARO is in an on-going search for events to participate in and continue promotional activities.

As specific details of the events are to be announced, RCARO will participate in more occasions as relevant meetings are identified for progressive promotion activities.

1.3.2. Support to RCA experts for increasing the awareness and promotion of RCA

RCARO will provide RCA experts with support in forms of incentives and other relevant means to increase the awareness of RCA and promote its activities on appropriate occasions.

2. Successful implementation of UNDP project

RCARO's proposal of the RCA/UNDP partnership project on nuclear imaging technology has been contracted with UNDP Regional Office in Bangkok in December 2010 to promote SPECT/PET imaging technologies in the RCA region. The total funding of \$500,000 will be contributed specifically \$300,000 by UNDP and \$200,000 by RCARO matching fund for three years respectively. 11 RCA Member States (Australia, Bangladesh, Myanmar, Indonesia, Malaysia, Mongolia, Philippines, Republic of Korea, Thailand, and Vietnam, Nepal to be participated after joining RCA) will be invited to the project.

2.1 Holding a kick-off meeting

The RCARO will hold a kick-off meeting and invite participants and related shareholders to identify status and needs of participating countries, and to discuss and develop future work plan of the project. Roles and responsibilities of the major share holders will be composed according to the administrative guidelines including its monitoring and reporting system.

2.2 Conducting the basic training on SPECT/PET and on-site regional training

To enhance basic capacity of SPECT/PET imaging science and technology in the region, the basic training on SPECT/PET and on-site regional training will be conducted in 2011. The basic training on SPECT/PET will develop basic path physiology and principles of SPECT/PET, radiopharmaceutical production, image acquisition and reconstruction and image analysis and interpretation while the on-site regional training focuses on neurochemistry imaging technologies and molecular oncologic imaging technologies along with path physiology and principles of SPECT/PET, radiopharmaceutical production.

2.3 Monitoring and submission of the progress report

RCARO will take the responsibilities of overall management of the project through monitoring

and submitting the progress report for successful implementation. Conforming to the UNDP programming manual, progress and financial report elaborating the status and plan of the project will be prepared and submitted to UNDP periodically by RCARO.

2.4 Annual review meeting and evaluating of the project

The annual review meeting will be convened by RCARO inviting participating countries and relevant shareholders to review and evaluate the performance of the project and discuss future work plans for the next year. Annual report will be prepared prior to the annual review meeting summarizing the years work and financial distribution for consideration.

3. Promoting partnerships for RCA

3.1 Pursuing partnership with GEF

3.1.1 Investigation of GEF projects for developing a partnership project

In line with the strategies to promote partnerships, RCARO will explore a partnership with GEF (Global Environment Facilities) following investigation in 2010. The GEF projects will be analyzed thoroughly to seek for partnership opportunities with RCARO.

3.1.2 Exploring possibility to apply nuclear techniques into GEF projects and RCA criteria

RCARO will explore the compatibility of GEF projects with the terms and conditions of RCA promoting peaceful uses of the nuclear technologies in the region to develop partnership.

3.1.3 Consultation with GEF and RCA experts for developing a partnership project

RCARO will further discuss with GEF experts to develop cooperation strategies for project application in consultation with relevant RCA experts from the Member States.

3.2 Exploring partnership development with regional/international organizations

RCARO will continue to explore international funding sources in terms of funding availability, relevance with RCA, and other terms and conditions. Upon identifying appropriate partners,

RCARO will develop feasible joint projects to initiate consultation on partnership.

4. Preservation of nuclear knowledge

4.1 RCARO/KAIST Nuclear Engineering Master's Degree Course

The nuclear knowledge preservation programme was initiated by RCARO in cooperation with the Korea Advanced Institute of Science and Technology (KAIST) for Nuclear Engineering Master's Degree Course. The programme has supported 23 talented experts so far. RCARO will support four students; one from PAK (Feb. 2010 ~ Aug. 2011), one from INS (Aug. 2010 ~), and two students from MAL and INS (Feb. 2011 ~).

4.2 RCARO/ARCCNM training course

Followed by the successful completion of RCARO/ARCCNM Training Course held in 2009 and 2010, RCARO/ARCCNM will select trainees and hold the course for training nuclear medicine in Ho Chi Minh, Vietnam from Nov. 28th to Dec. 2nd, 2011.

4.3 RCARO/KAERI regional training workshop

RCARO will host a regional training workshop regarding nuclear technology, utilization of radiation and safety in October or November 2011 in cooperation with KAERI. RCA MSs are requested to recommend appropriate candidates for the workshop.

5. Increased interaction between Member States and RCARO

5.1 Inviting 3-4 temporary staff to RCARO from Member States

RCARO will select 3~4 temporary staffs from the Member States to work at RCARO in 2011. The temporary staffs will be involved with the assistance of updating stakeholder/end-user database, collecting information on regional and international events, renewal of RCA homepage and implementation of RCA/UNDP partnership projects.

5.2 Participation in 33rd NRM, the 40th GCM and working group meetings

RCARO will participate in the RCA policy meetings, including the 33rd NRM in Bali, Indonesia in April, the 40th GCM in Vienna in September 2011. RCARO will also provide assistance to the operation of RCARO SAC meetings as a secretariat and relevant meetings as and if so decided.

5.3 Participation in the 12th FNCA Coordinators Meeting

As approved at the 39th GCM, RCARO will participate in the 12th FNCA Coordinators Meeting to be held in Fukui, Japan on March 17~18 2011, to discuss cooperative matters between RCA and FNCA on behalf of RCA.

5.4 RCARO development of capabilities in project design and management

As decided at the 32nd NRM, RCARO will attend the upcoming LCC meeting scheduled in February 2011 in Vienna.

5.5 Holding a temporary staff workshop enhancing RCARO interactions with Member States

In order to increase interactions with the MSs, RCARO will host a workshop to discuss means to extend the participation of MSs and to strengthen the functional role of RCARO in order to accommodate the needs of Member States more effectively. The workshop will invite mainly temporary staff worked at RCARO to review and discuss the promotion of cooperation among Member States in the region and roles of RCARO. The specific date and venue of the event is to be announced.

5.6 The legal status of RCARO

As advised at the 39th GCM, RCARO will provide the 33rd NRM with detailed proposals regarding the strengthening of the legal authority of the RCARO.

5.7 Extra-budgetary contribution of RCARO to the IAEA

An EB contribution by RCARO and the ROK Government will continue in 2011 and is subject to the budget availability of RCARO.