









## RCARO 2017 Work Plan

	Target	Activities	Milestone				Performance Indicators
			QT 1	QT 2	QT 3	QT 4	
1	Increasing the awareness of the RCA	1.1. Enhancing RCA information service through the RCA website  1.2. Participation in regional/international events and support for the promotion of RCA activities					1.1.1. Updating data on RCA and RCA projects  1.2.1. Presentation and exhibition on RCA/RCARO activities to target audiences 1.2.2. Promotion of the RCA on the occasion of the Int'l Conference on the IAEA TC Programme 1.2.3. Supporting RCA experts for increasing awareness of RCA
2	Expanding support for the GPs and development of RCA	2.1. Implementation of RAS6083  2.2. Implementation of the RCARO Managed Projects  2.3. Supporting the IAEA for RCA administrative matters					2.1.1. Implementing expert missions 2.1.2. Conducting a regional workshop and progress review meeting 2.1.3. Submission of progress report  2.2.1. Implementing a Research Project  2.3.1. Providing support for RCA policy meetings

						2.3.2. Providing support for the WGs for execution of the RCA MTS 2018-2023
3	Enhancing and exploring partnerships with regional/international organizations	<p>3.1. Implementation of RCA/UNOSSC project on electron beam(EB) applications</p> <p>3.2. Implementation of RCA/ASEAN project on radiation therapy</p> <p>3.3. RCARO/ARCCNM training workshop</p> <p>3.4. Participation in the 18<sup>th</sup> FNCA Coordinators meeting</p>				<p>3.1.1. Holding a kick-off meeting of RCA/UNOSSC project on electron beam(EB) applications</p> <p>3.1.2. Conducting a regional training course</p> <p>3.1.3. Implementing expert missions</p> <p>3.1.4. Submission of progress/financial reports</p> <p>3.2.1. Conducting a regional training course</p> <p>3.2.2. Conducting a progress review meeting</p> <p>3.3.1. Holding the RCARO/ARCCNM training workshop</p> <p>3.4.1. Participation in the 18<sup>th</sup> FNCA Coordinators meeting</p>
4	Assisting the GPs in addressing regional and national needs	<p>4.1. RCARO/KAIST Nuclear Engineering Master's Degree Course</p> <p>4.2. RCARO/KAERI regional training workshop</p>				<p>4.1.1. Supporting the RCARO/KAIST Master's Degree Course</p> <p>4.2.1. Holding the RCARO/KAERI regional training workshop</p>

		4.3. IAEA/RCARO/KINS joint training course on radiation safety				4.3.1. Implementing IAEA/RCARO/KINS joint training course on radiation safety
		4.4. RCARO/KIRAMS training course on radiation safety in nuclear medicine				4.4.1. Implementing RCARO/KIRAMS training course on radiation safety in nuclear medicine
5	Other activities	5.1. Participation in the RCA policy related meetings				5.1.1. Participation in the 39 <sup>th</sup> NRM and 46 <sup>th</sup> GCM
		5.2. Participation in the WG meeting on resource mobilization				5.2.1. Participation in the WG meeting on resource mobilization
		5.3. RCARO Fellowship Programme				5.3.1. Inviting temporary staff from GPs to RCARO
		5.4. Provision of Extra-Budgetary(EB) contribution				5.4.1. Providing extra budget for RCA projects in financial needs

# **RCARO 2017 Work Plan**

## **1. Increasing the awareness of RCA**

### **1.1 Enhancing RCA information service through the RCA Website**

RCARO will continue its efforts to further enhance its website operation in 2017, with a view to making it a hub for an information flow within the RCA community.

#### **1.1.1 Updating data on the RCA and RCA projects**

Supported by the RWAs, RCARO will continue its efforts to further update the data on RCA and its activities: meetings, projects, and news. RCARO will enhance, among others, its interactions among end users and stakeholders of GPs through the website, in particular, on matters regarding the usage and exchange of RCA related information.

### **1.2 Participation in regional/international events and support for the promotion of RCA activities**

RCARO will make further efforts to fulfill its mandate by promoting RCA to target audiences at appropriate occasions through presentations and exhibitions as well as providing support to RCA experts participating in such promotional activities.

#### **1.2.1 Presentation and exhibition on RCA/RCARO activities to target audiences**

RCARO will continue to promote the RCA/RCARO activities to target audiences by means of making presentations and exhibitions at some relevant occasions and meetings including RCA events in the region.

For the 2017 plan, according to the recommendation of the 18th SAC to conduct a survey and present its results on possible conferences at the SAC before the GCM in the year before the conferences will be held, RCARO conducted a survey of NRs and IAEA and collected information on 6 conferences. Amongst those 6 conferences, the 45<sup>th</sup> GCM approved the two

conferences below for RCARO's participation in 2017:

- International Conference on the IAEA Technical Cooperation Programme: Sixty Years and Beyond-Contributing to Development, 30 May-1 June 2017, IAEA, Austria
- World Nuclear & Radiation Expo, June 2017, Seoul, Korea

In consideration of its budget availability and schedule, RCARO will make necessary arrangements for its participation to the conferences listed above and also conduct new survey in preparation of possible conferences to be attended for 2018.

### **1.2.2 Promotion of the RCA on the occasion of the International Conference on the IAEA Technical Cooperation Programme**

On the occasion of the 60<sup>th</sup> anniversary, IAEA is holding an International Conference on the IAEA Technical Cooperation Programme: Sixty Years and Beyond-Contributing to Development on 30 May-1 June 2017 in IAEA, Austria.

Decided by the 45<sup>th</sup> GCM on promotion of the RCA by the RCARO during the conference, RCARO will make necessary arrangements for exhibition of the RCA. Likewise the exhibition at the 60<sup>th</sup> IAEA GC, posters, sample products and promotional materials will be displayed.

### **1.2.3 Supporting RCA experts for increasing awareness of RCA**

RCARO will continue to provide its assistance to selected RCA experts for their participation in regional/international events and their RCA promotional activities.

For the cycle from September 2016 to August 2017, RCARO selected a total of 4 selectees from BGD, INS, THA and VIE in consultation with SAC and the selectees will be supported accordingly for their promotional activities.

With regard to the next cycle, RCARO will invite the GPs for nominations of appropriate RCA experts and carry out the programme according to the guideline.

## **2. Expanding support for the benefit of the Government Parties and development of RCA**

### **2.1 Implementation of RAS6083**

Upon approval of the 43<sup>rd</sup> GCM on developing a pilot project, RCARO, as the LCC of the

project, developed and finalized a project proposal entitled “Improving patient care and enhancing Government Parties capacity in nuclear medicine programs in RCA region”. The project is approved and classified as RAS6083 and is to be implemented for 3 years from 2016 funded by the Korean Government.

### **2.1.1 Implementing expert missions**

Expert missions to BGD, KAM, PHI, INS, MAL, THA will be carried out based on the work plan, engaging 11 experts in the requested fields.

### **2.1.2 Conducting a regional workshop and progress review meeting**

Progress review meeting and regional workshop will be held on 20-24 Feb. 2017 in Vietnam, inviting NPCs of the project.

### **2.1.3 Submission of progress report**

Progress report will be submitted to the IAEA in due time, integrating national reports received from the NPCs of the project.

## **2.2 Implementation of the RCARO Managed Projects**

Aiming to benefit the GPs and development of the RCA, RCARO submitted a strategic paper to the 36<sup>th</sup> NRM in 2014, proposing new initiatives to meet the needs of the GPs and supplement the RCA Programme.

A Working Group on the RCARO’ future role was established to discuss on this initiatives and through discussions and deliberations, the WG established detailed procedures and guidelines on the possible options for the RCARO’s future role such as Supplementary Projects, Research Projects and Training Projects under the framework of the RCARO Managed Projects.

### **2.2.1 Implementing a Research Project**

As approved by the 38<sup>th</sup> NRM, RCARO will implement a Research Project (RP) under the framework of the RCARO Managed Projects.

The objective of the RP is to establish networks of national/regional research institutions which will work within an operational framework for research with a similar and well defined regional

theme or problem focus that is relevant to, or can be resolved through, nuclear science and technology. The RCA RPs will play a role in establishing mechanisms for organizing research works amongst the GPs to achieve specific research objectives consistent with the RCA Medium Term Strategy and Strategic Priorities.

For initiation of the RP, specific research area of common interest of the GPs will be identified through a survey and based on the result of the survey, proposals will be called for submission and presentation at the 39<sup>th</sup> NRM for review of the NRs.

According to the procedure, candidate proposals will be reviewed by the Research Review Committee (RRC, RCAPAC will take its role as the RRC) and RCARO SAC. Final decision on the RP amongst proposals received positive assessments will be made at the 46<sup>th</sup> GCM.

Upon selection, the project will be implemented according to the work plan.

### **2.3 Supporting the IAEA for RCA administrative matters**

In recent years, issues on the IAEA's challenges in staffing related to the RCA administration were raised. The issue was presented at the 44<sup>th</sup> RCA GCM and the meeting recommended that the WG on the future role of RCARO consider and discuss these challenges.

The WG on the future role of the RCARO agreed that outsourcing of secretariat duties for the RCA, such as preparation of documents, could be used and recommended the TC Department consider defining for consideration of the NRs which duties must be kept in house and those that might be outsourced.

At the 38<sup>th</sup> NRM, IAEA identified its secretariat duties that could be outsourced and those that could not. It was noted that duties related to RCA policy meetings i.e. RCA GCM and NRM, are possible to be outsourced, while duties on RCA programme and project management have some limitations in outsourcing. Among duties under RCA programme and project management, management of RCA Projects must be kept in-house. Duties related to preparation of RCA programme for the next cycle and execution of RCA Medium Term Strategy 2018-2023 could be outsourced with some portion of involvement executed in the IAEA Headquarters.

In this regard, the 45<sup>th</sup> GCM agreed that the IAEA be assisted by RCARO in preparations for policy meetings, and that the IAEA will continue to be responsible for the management of RCA projects. The meeting also agreed that RCARO will coordinate administrative and logistical arrangements for the RCA WGs in consultation with the IAEA.

#### **2.3.1 Providing support for RCA policy meetings**

Decided by the 45<sup>th</sup> GCM, RCARO will support the IAEA in its RCA secretariat functions in terms of preparation and coordination of the 39<sup>th</sup> NRM and the 46<sup>th</sup> GCM.

In close consultation with the IAEA, RCA Chair and GPs, RCARO will carry out relevant duties for smooth operation of the meetings.

### **2.3.2 Providing support for the WGs for execution of the RCA MTS 2018-2023**

Decided by the 45<sup>th</sup> GCM, RCARO will support the IAEA in coordinating the WGs for execution of the RCA MTS 2018-2023.

## **3. Enhancing and exploring partnerships with regional/international organizations**

### **3.1 Implementation of RCA/UNOSSC project on Electron Beam (EB) applications**

The RCA/UNOSSC project on Electron Beam applications has been completed in 2015 with successful implementation of the final progress meeting in Siem Reap, Cambodia.

In the meeting, the outcomes have shown a high interest in the use of EB at national level and a follow-up project was recommended in view of the increased demand for distribution and sharing of EB technology and increased establishment of EB facility in the next few years in the participating countries.

Based on the result of the project and request by the participating countries for extending a follow-up project, RCARO submitted a proposal to the UNOSSC for extension of the project in November 2016.

The selection process is being undertaken and the result is expected in early 2017.

Upon selection, the project will be implemented according to the work plan.

#### **3.1.1 Holding a kick-off meeting of the RCA/UNOSSC project on electron beam applications**

A kick-off meeting will be carried out to identify and review the status and needs of the participating countries and set up details of the work plan.

#### **3.1.2 Conducting a regional training course**

A regional training course will be carried out according to the work plan.



### **3.1.3 Implementing expert missions**

Expert missions will be carried out according to the work plan.

### **3.1.4 Submission of progress/financial reports**

Upon the rules and regulations of the UNOSSC, progress and financial reports will be submitted to the latter accordingly.

## **3.2 Implementation of RCA/ASEAN project on radiation therapy**

In cooperation with ASEAN and KIRAMS, RCARO initiated a three-year project on capacity building on radiation technology targeting RCA/ASEAN countries in 2016.

The project is co-funded by ASEAN and RCARO and aims to address the lack of expertise and human resources in RCA/ASEAN countries in the field of radiotherapy by transferring knowledge and technology on radiotherapy through meetings and training courses.

\*ASEAN: Association of Southeast Asian Nations, 10 member countries such as INS, KAM, LAO, MAL, MYA, PHI, SIN, THA, VIE, Brunei

### **3.2.1 Conducting a progress review meeting**

A progress review meeting will be held in June, inviting representatives of the participating GPs to review the progress of the project and national achievement through the project.

### **3.2.2 Conducting a regional training course**

A regional training course will be held in May in KIRAMS for medical physicists from RCA/ASEAN countries.

## **3.3 RCARO/ARCCNM training workshop**

Since 2008, RCARO has been supporting the RCARO/ARCCNM training workshop to educate nuclear medicine physicians and scientists in developing and less developed Asian countries and further to foster regional cooperation to promote nuclear medicine in those countries.

RCARO will continue its support for the concerned training workshop in 2017.

### **3.4 Participation in the 18<sup>th</sup> FNCA Coordinators meeting**

On behalf of RCA, RCARO will participate in the 18<sup>th</sup> FNCA Coordinators Meeting to be held in March 2017 in Japan to discuss cooperative matters between RCA and FNCA.

Representing the RCA, Director of RCARO will present the achievements of RCA and cooperative activities with the FNCA in 2016.

## **4. Assisting the Government Parties in addressing regional and national needs**

### **4.1 RCARO/KAIST Nuclear Engineering Master's Degree Course**

With the aim of assisting the Government Parties in capacity building related to nuclear science and technology, Nuclear Engineering Master's Degree Course was initiated by the RCARO in cooperation with the Korea Advanced Institute of Science and Technology (KAIST). As carried out in the past years, RCARO will continue to recruit students from the Government Parties for 2017.

### **4.2 RCARO/KAERI regional training workshop**

RCARO will host a regional training workshop on radiation applications technology in October or November 2017 in cooperation with the Korea Atomic Energy Research Institute (KAERI). The Government Parties will be requested to recommend appropriate candidates for the workshop.

### **4.3 IAEA/RCARO/KINS joint training course on radiation safety for countries with limited radiation safety infrastructure in the region**

In recent years, a few countries including Cambodia, Nepal, Fiji, Palau, Laos that are at the beginner stage in applying nuclear technology have become new members of the RCA. In order to facilitate participation of those countries in RCA Programme and further harmonize the development within the RCA, an introductory training course for countries with no radiation safety infrastructure was implemented by RCARO in close cooperation with IAEA and KINS (Korea Institute of Nuclear Safety) in 2016, focusing on building up the competence and expertise needed by national regulatory bodies in the region for establishment and operation of an adequate regulatory programme for the safety and security of radiation sources.

Followed by the successful implementation in 2016, RCARO will continue to host the training course in 2017.

#### **4.4 RCARO/KIRAMS training course on radiation safety in Nuclear Medicine**

In cooperation with KIRAMS, RCARO will host a training course on radiation safety in nuclear medicine. It'll be a one-week course and cover the safety issues in applying the nuclear medicine including radioisotope production and safety and quality of radiopharmaceuticals.

### **5. Other activities**

#### **5.1 Participation in the RCA policy related meetings**

RCARO will participate in the RCA policy related meetings including the 39<sup>th</sup> NRM in April and the 46<sup>th</sup> GCM in September and make presentations on the RCARO activities. RCARO will also provide assistance to the operation of the RCARO SAC meetings as the secretariat.

#### **5.2 Participation in the WG meeting on resource mobilization**

RCARO will participate in the WG meeting on resource mobilization on 13-16 Feb. 2017 as a member of the WG and share views on the issues to be discussed.

#### **5.3 RCARO Fellowship Programme**

RCARO will select 3 temporary staff from the Government Parties to work in RCARO in 2017. Their duties will include assisting in updating stakeholder/end-user database; collecting information on regional and international events; and implementing RCARO projects.

#### **5.4 Provision of Extra-Budgetary (EB) contribution**

An EB contribution by the RCARO will continue in 2017 to support the RCA projects in need of financial support and is subject to the budget availability of the RCARO.