

RCARO Workshop on Enhancing Strategic Goals of RCARO
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Nuclear Knowledge Preservation



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“Knowledge is experience. Everything else is just information.”

(Albert Einstein)

- ❖ The most important resource in the nuclear field is knowledge.
- ❖ Nuclear Knowledge Management has become an increasingly important element of the nuclear sector in recent years.
- ❖ Training is a key area of activity and effective means of knowledge preservation.
- ❖ According to GOR, RCARO is to
 - 1) promote the peaceful uses of nuclear technology to assist in addressing regional and national needs;
 - 2)as a repository of knowledge on the RCA programme



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Discussion



I. Temp Staff Fellowship Programme(1)

◆ Background

- To increase the ownership by the Member States(MSs) and interaction between MSs and RCARO since 2004

◆ Status/Achievements

- Invites 3-4 staff from the MSs every year
- 21 temp staff have been assigned since 2004
- Selected 3 from THA, MYA, MON in 2012
- Temp staff side: can build up international experiences by working in RCARO
- RCARO side: very helpful to interact with MSs



I. Temp Staff Fellowship Programme(2)

◆ Limitations

- Different level of working capability, experience and English ability resulted to have problems of effectiveness and continuity of the job given
- 3 Months working period is too short for them to understand the job
- Lack of information related to RCA/RCARO and its activities before participating in the programme



I. Temp Staff Fellowship Programme(3)

◆ Directions

- Required working-level English, verbal and written communication abilities in English
- Need to have English test programme
- Provide information on RCA/RCARO activities and job description in advance
- Considers extending duty period of the temp staff who successfully performed his/her duties
- Considers selecting on-staff employee to increase the MSs participation to RCA/RCARO
- Nomination of the personnel engaged in the RCA activities as far as possible



II. RCARO/KAIST

Master's Degree Course(1)

◆ Background

- To educate and train the excellent students from the MSs aiming to preserve and enhance nuclear technology for RCA MSs since 2003
- Conducted in cooperation with the Department of Nuclear and Quantum Engineering of Korea Advanced Institute of Science and Technology (KAIST)



II. RCARO/KAIST

Master's Degree Course(2)

◆ Status/Achievements

- Selects 1-2 students every year, it takes up to 2 years
- Provides application fee, 2 years tuition, scholarship
- 23 students have received the degree since 2003
- 2 students are having the second year of the course and 1 from INS is selected in 2012
- The graduates of the programme have been contributing to the development of nuclear and radiation technology for the graduates' countries by working in R&D institutions, enterprises and universities.



II. RCARO/KAIST

Master's Degree Course(3)

◆ Limitations

- While it was successful in providing in-depth knowledge on nuclear technology to the students from MSs, but the course itself is not directly related to RCA activities
- Have difficulties to get information on the activities of graduates after the course
- Skeptical about the contribution to RCA activities



II. RCARO/KAIST

Master's Degree Course(4)

◆ Directions

- Need to discuss the size of the programme and whether to continue to support the programme
- Inviting relevant experts engaged in RCA activities for direct effect for policy making of the related technology development for a short term
- An active engagement by MSs in recruiting process is required



III. RCARO/KAERI

Regional Training Workshop(1)

◆ Background

- To provide participants with the information on the status of radiation application technology, research reactor utilization and application technology, utilization of radiation and safety since 2008
- Conducted in cooperation with Korea Atomic Energy Research Institutes (KAERI)
- Consists of lectures, discussions and field trip to the related facilities and equipment



III. RCARO/KAERI

Regional Training Workshop(2)

◆ Status/Achievements

- 2 weeks in Oct. every year
- 56 trainees participated in the workshop since 2008

2008: 11 trainees from 8 MSs

2009: 17 trainees from 10 MSs

2010: 14 trainees from 9 MSs

2011: 14 trainees from 9 MSs



III. RCARO/KAERI

Regional Training Workshop(3)

◆ Limitations

- Focused on a particular area such as research reactor and radiation technology
- Invited only experts in those areas
- For some MSs with limited expert pool, the same expert or one with no relevance to the area have been participating in the workshop



III. RCARO/KAERI

Regional Training Workshop(4)

◆ Directions

- Continue to support the relevant experts within the limit of the budget
- Seek for an area which is state-of-the-art technology of KAERI and at the same time attracts MSs interest
- Consult with KAERI to select the area as it's joint programme with KAERI
- Support of MSs by providing wide range of expert pool is needed



IV. Joint Training Programme with ARCCNM(1)

◆ Background

- ARCCNM(Asian Regional Cooperative Council for Nuclear Medicine) was founded in 2001 by a joint initiative of China/Japan/Korea and has 19 MSs.
- To educate nuclear medicine physicians and scientists in developing and less developed Asian countries since 2008
- To foster regional cooperation in promoting nuclear medicine in those countries



IV. Joint Training Programme with ARCCNM(2)

◆ Achievements

- Provided 25 trainees and 5 lecturers every year with financial support
- By holding it in association with scientific occasions, it provided participants with the opportunity to experience more of advanced nuclear medicine as well as training programme held by ARCCNM.
- Very helpful for both sides

2008: ARCCNM/ASNMM (Asian School of Nuclear Medicine) in India



IV. Joint Training Programme with ARCCNM(3)

2009: ARCCNM/ISNMB (Indonesia Society Nuclear Medicine Biology) in Indonesia

2010: ARCCNM/SNMB (Society of Nuclear Medicine Bangladesh) in Bangladesh

2011: ARCCNM/ICRT (Int'l Conference on Radiopharmaceutical Therapy) in Vietnam

◆ Plan

2012: ARCCNM/SNU (Seoul National University) in Korea



Discussion

- ✓ **Continuation of the Programmes which are not directly related to RCA activities**
- ✓ **Member States' support**
 - Nomination of appropriate persons to the relevant events (capability, experience, English)



Thank you for your attention.



RCA Regional Office