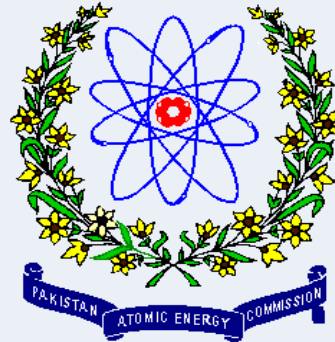


# RCARO

## Pakistan's Perspective



**Waqar Ahmad**

*DG, IA & Training*

# Pak-IAEA/RCA Interaction

- Pakistan became Member of IAEA in 1957
- Remained on IAEA Board of Governors (BoG) continually (MESA Group)
- Three times chaired BoG (1973, 1986 & 2012)
- Four DDGs (TC, NE, NA & SS) visited Pakistan during last two years
- Recently Mr. Yukiya Amano paid a visit to Pakistan
- Government support

- ❖ Pakistan is donor as well recipient of TCF
  - 8 National TC
  - 32 Regional
  - 9 Inter-Regional Projects
  
- ❖ Pakistan Atomic Energy Commission (PAEC) & Pakistan Nuclear Regulatory Authority (PNRA) are the major stakeholders
  
- ❖ In 2013, there were 348 visits of PAEC and 273 of PNRA scientists/engineers sponsored by IAEA

# Recent strides

- ❑ A mission on Programme of Action for Cancer Therapy (PACT) -Dec. 2013
- ❑ Integrated Regulatory Review Services (IRRS) team - April, 2014 (21 experts)
- ❑ Officer of Internal Oversight Services (OIOS) Evaluator & Auditor - April, 2014
- ❑ Operational Safety Review Team (OSART) - expected next year
- ❑ Safeguards Inspectors - increased from 24 to 36

# Main areas of cooperation:

- Bio-technology
- Food & Agriculture
- Hydrology
- Non-destructive Testing
- Nuclear Medicine
- Nuclear Safety
- Power Generation
- Radiation Protection
- Waste Management

# Country Programme Framework (CPF)

## 2014-19

### Priority areas:

1. Nuclear Power Development
2. Nuclear Safety & Security
3. Industrial Applications
4. Radioactive Waste Management
5. Human Health
6. Water Resources
7. Food, Agriculture and Livestock
8. Environmental Protection

# RCA

- Pakistan joined RCA on 6<sup>th</sup> Sept, 1974
- Participating in 16 RCA Projects
- Lead Country in two
  1. *Applications of sealed sources in industry*
  2. *Isotope Hydrology*
- Participates in all RCA capacity building activities
- Next NRM will be held in Islamabad from 16-19 March, 2015
- IAEA/RCA Section in IAT Div. of PAEC

# Participating Centres

- ❖ Pakistan Institute of Nuclear Science and Technology (PINSTECH), Islamabad
- ❖ National Centre for Non Destructive Testing (NCNDT)
- ❖ Pakistan Institute of Engineering and Applied Sciences (PIEAS), Islamabad
- ❖ Nuclear Institute of Agriculture (NIA), Tandojam
- ❖ Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad
- ❖ Nuclear Institute for Food and Agriculture (NIFA), Peshawar
- ❖ National Institute of Biotechnology & Genetic Engineering (NIBGE), Faisalabad
- ❖ Atomic Energy Medical Centres (5)



# RCARO

## Purpose:

- To increase awareness (visibility) of RCA
- To develop partnership with other organizations

*Overall Excellent work done by RCARO*

- ❖ Best Practices Award
- ❖ Exhibition on 40th Anniversary (VIC)
- ❖ Publishing of Success Stories

# RCARO

## Pakistan's participation

- Temporary Staff Fellowships (3)
- Master Degree Programme at KAIST
- Post-Doc Fellowship Programme
- Workshop on Strengthening RCARO Activities, Seoul, 2013

# Appreciating Initiatives

- Supplementary projects that address specific needs of smaller groups
- Extra budgetary contributions from MSs
- Support to completed projects for achieving full objectives
- RCARO/KAERI Training Programme
- Induction workshop to assist new NRs
- Supporting RCA ad hoc committees

# Proposals:

- Calendar of activities related to Nuclear S&T  
(RCA may sponsor 1-2 participants in most relevant field)
- RCA exhibition in MS during NRM (Open to scientific institutions)
- Awards/certificate for the best Project Coordinator
- Meeting of Senior Management (Science Ministers) for awareness of RCA programmes
- Networking among MSs (Links on the websites)

Cont...

- Permanent senior staff member (Deputy Director) from MSs
- RCARO's Interactions with Members States should increase
- New opportunities of regional cooperation should be searched
- Amendment in RCA Agreement to include roles and responsibilities of RCARO

- RCA Chair, Focal Person, SAC, etc. may be included
- Endorse the approach used by the RCARO
- Establishing partnerships and Nuclear Knowledge Preservation activities
- To look for additional donor organizations
- RCARO legal status to carry out its mandate effectively

*RCARO has efficiently shown its skill to  
fulfill the given mandate*

***Thank You***