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1. Research Activities

- **Standardization of Radionuclides:**
  - Activity measurements of H-3 by TDCR method.
  - Activity measurement of I-131 by $4 \pi \beta-\gamma$ coincidence counting techniques.
  - Development of rice reference materials
    (10 institutes from 6 countries and IAEA participated for determination of the reference value)
  - Activity measurement of Eu-155 by $4 \pi \beta-\gamma$ coincidence counting techniques.

- **Development of equipments and facilities:**
  - Set up of $\beta$(LS) - $\gamma$ coincidence counting system.
  - Gamma-ray spectrometry system with a well-type HP Ge detector for low level activity measurement. (In progress).

2. International Activities

- CCRI intercomparison : H-3
- APMP intercomparison : Ba-133, I-131
- CMC review for other RMOs
- Participation of APMP/TCRI meeting
  - India – 2007, Indonesia – 2008
- Participation of IEC and ISO meeting.
  - IEC TC 45/45B (Nuclear Instrumentation), London – 2008
  - ISO TC 85/SC 2 (Radiation Protection), Wien - 2009

3. Laboratory Services
   - Dissemination of radioactivity CRMs. (200 CRMs / y)
   - Technical consultation to the industry.
   - Calibration and test services for radiation detectors and radionuclides.
   - Technical training for radiation workers.

4. Future Work
   - Participation of BIPM/SIR comparisons (Eu-155, 2009)
   - Participation of CCRI key comparison (H-3, 2009)
   - Participation of TCRI/APMP key comparisons (I-131, 2009)
   - Standardization of radionuclides (Sn-113)
   - Improvement of digital coincidence counting technique. (On-going)
   - Development of environmental reference materials (On-going)