

Inputs from APMP for CCRI strategic plan in radioactivity measurement

APMP/TCRI

May 2012



Asia Pacific Metrology Programme

Inputs from APMP for CCRI strategy in radioactivity

Outline

- ① **Short term actions** - Increase meaningful dialogue in APMP
- ② **Short term actions** - Activity(SIRTI) comparison- establish ^{99m}Tc
- ③ **Medium term actions** – New needs in public security, health and industry



14+1 APMP/TCRI Members

	Economy	Organisation	Name
1	Australia	ARPANSA	Dr David Webb
		ANSTO	Dr Dimitri Alexiev
2	Bangladesh	BSTI	Mr. Rabby Lutfur
3	China	NIM	Mr. Yang Yuandi
4	Chinese Taipei	INER	Dr. Ing-Jane Chen
5	Egypt	NIS	Dr. Gamal Hassan
6	Fiji	NML	Mr. A T Vadei
7	Hong Kong	SCL	Mr C.C. Tse
8	India	BARC	Mr. U V Phadnis
		NPLI	Dr. P K Gupta
9	Indonesia	KIM-LIPI	Dr. Susilo Widodo
10	Japan	NMIJ/AIST	Dr. Norio Saito Dr. Akira Yunoki Dr. Hideki Harano



14+1 APMP/TCRI Members

	Economy	Organisation	Name
11	Korea	KRISS	Dr. Tae Soon PARK
12	Malaysia	MINT	Mr. Taiman Bin Kadni
13	Nepal	NBSM	Dr. S R Joshi
14	South Africa	NIMSA	Ms Zakithi Msimang
15	Thailand	OAP	Mr.Thongchai Soodprasert

OAP, Thailand and CDR has been a new member of APMP/TCRI.

NRL, New Zealand is applying to be a new member of TCRI.



TCRI annual meeting

	Date	Place
1	Nov. 06, 2000	Bangkok, Thailand
2	Nov. 05-06, 2001	Tsukuba, Japan
	2002	No workshop in 2002
3	Dec. 01-02, 2003	Singapore
4	Oct. 18-19, 2004	Beijing, China
5	Sep. 29-30, 2005	Jeju , Korea
6	Dec. 13-14, 2006	New Delhi , India
7	Oct. 29-30, 2007	Sydney, Australia
8	Nov. 03-04, 2008	Jakarta, Indonesia
9	Dec. 14-15, 2009	Kuala Lumpur Malaysia
10	Nov. 15-16, 2010	Pattaya, Thailand
11	Dec. 5-6, 2011	Kobe, Japan
12	Nov. 26-27, 2012	Wellington, New Zealand

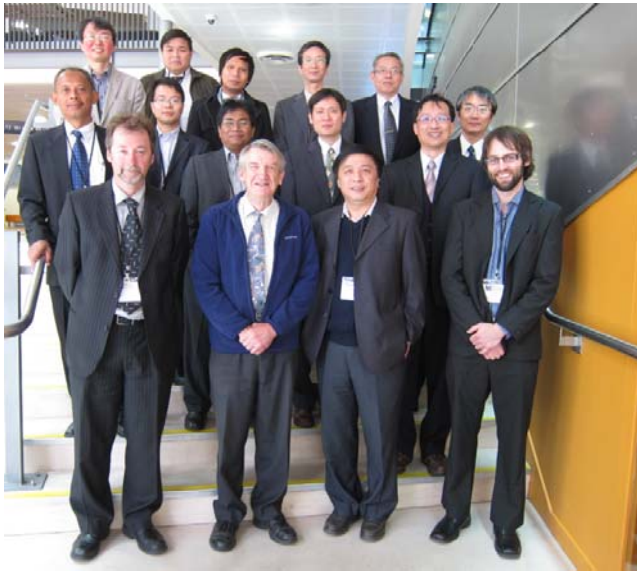


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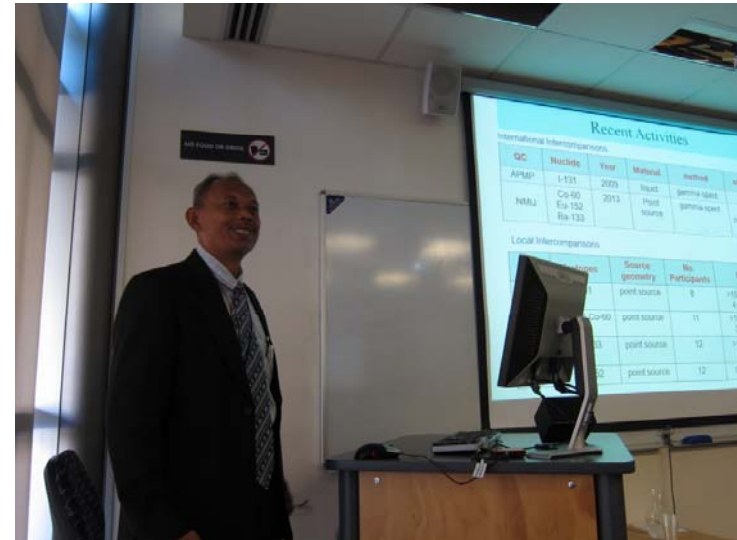
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2012 workshop meeting

- CCRI Strategy, Euramet TC-IR roadmap, APMP TCRI Strategy
- Air kerma measurement of mammography
- Absorbed dose to water in high energy photon
- Introduction of NMIJ's CRM, Akira Yunoki, NMIJ



TCRI meeting in 2012



There are nine economics in TCRI and nineteen participants took part in this meeting including two observers.

Two observers: **NRL, New Zealand, PTKMR-BATAN, Indonesia**



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TCRI meeting in 2012

Session1: Laboratory report

Session2: Comparison in progress

Session3: Status of CMC

Session4: Information from international meeting

Session5: Election of new TCRI chair person and APMP TCRI meeting in 2013

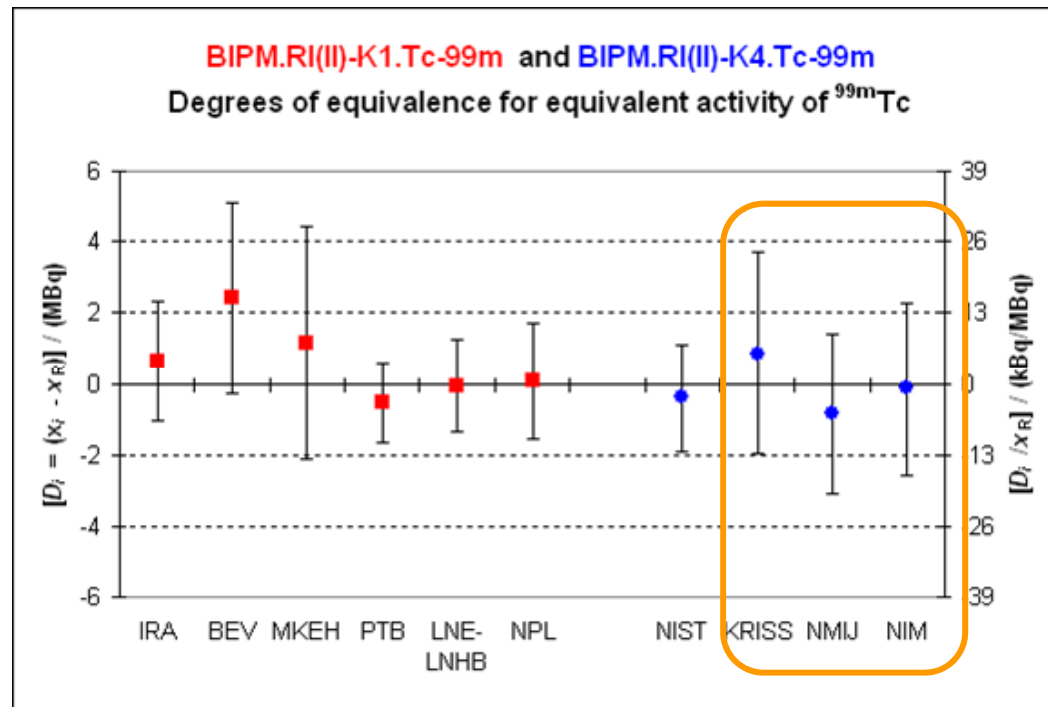


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Short term actions - Activity(SIRTI) comparison- establish ^{99m}Tc

- KRISS, NIM, NIMJ has finished the measurement for this comparison



Medium term actions – New needs in public security, health and industry

- Precision radioassay of Cs-137 and Pu in rainwater and dry deposition (**KRISS**)
- Radioactivity CRMs for medical use(Ga-67) (**KRISS**)
- Developed the Digital Coincidence Counting technique for beta-gamma counting primary standard (**NIM**)
- Developed the primary standard in radioactive gas(**NIM**)
- Develop a certified reference material of fish including Cs-134 and Cs-137 (**NMIJ**)
- Start a calibration service of air kerma strength for ^{125}I brachytherapy seed. (**NMIJ**)



Thanks for you attention!



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