

LIST OF RCA PROJECTS WITH LEAD COUNTRY AND AVAILABLE RRUs

Sectors/LC	Project No. & Title	Lead Country	Available RRUs	Technical Officer
Agriculture – CPR <i>Contact Person:</i> Mr. WANG, Xunqing Institute for Application of Atomic Energy, CAAS China Tel: +8610662815952 Fax: +861062895356 E-mail: iaaersmw@public.bta.net.cn	RAS/5/035: Improving Animal Productivity and Reproductive Efficiency (RCA)	CPR assisted by SRL & PAK	OAE – Thailand Prapaipit Suprarop RIA Laboratory, Isotope Div. Office of Atoms for Peace Bangkok, Thailand Tel: +66 2 5620102 Fax: +66 2 5613013 E-mail: prapaipi@oae.go.th	Mr. H. Makkar – NAFA Mr. O. Perera – NAFA
	RAS/5/039: Restoration of Soil Fertility and Sustenance of Agricultural Productivity (RCA)	CPR	PAK (offer) – N-15 Analysis Dr. M. Ishaq SAJJAD Radiation and Isotope Applications Div. PINSTECH, PAEC P.O. Nilore Islamabad Tel: +92 51 9290261 Fax: +92 51 9290261 E-mail: sajjad@pinstech.org.pk	Mr. G. Keerthisinghe – NAFA Mr. F. Zapata – NAFA
	RAS/5/040: Enhancement of Genetic Diversity in Food, Pulses, and Oil Crops and Establishment of Mutant Germplasm Network (RCA)	CPR		Mr. M. Maluzynski – NAFA
	RAS/5/041: Production of Foot and Mouth Disease Antigen and Antibody ELISA Reagent Kit (RCA)	AUL	Contact Person: Dr. Martyn JEGGO Director, Australian Animal Health Laboratory (AAHL), CSIRO Livestock Industries, 5 Portarlinton Road, Private Bag 24, Geelong Victoria 3220 Ph: +61 3 5227 5160 Fax: +61 3 5227 5250 martyn.jeggo@csiro.au	Mr. J. Crowther – NAFA

	RAS/5/042: Application of Food Irradiation for Food Security, Safety, and Trade (RCA)	CPR	Kasetsart University - Thailand <i>Contact Person:</i> ARUNEE WONGPIYASATID Tel: 662-9428481-2 Fax: 662-5795530 Email: fscianw@ku.ac.th	Ms. T. Rubio – NAFA
ENO – MAL <i>Contact Person:</i> Mr. Bin SALLEH, Amin Malaysian Institute for Science, Technology and the Environment, MINT, Malaysia Tel: +60 3 89282990 Fax: +60 3 89253796 E-mail: amin@mint.gov.my	RAS/0/035: Management of Technical Co-operation among Developing Countries (RCA)	MAL assisted by AUL	MINT – Malaysia (Internet & Homepage) AUL – Distance Learning Materials BARC – India (networking offer) <i>See attached list for contact details</i>	Mr. M. Kemppainen – TCPC
Energy – ROK <i>Contact person:</i> Mr. LEE, Man-Ki Nuclear Economic Energy Analysis Dept., KAERI Tel: +82 42 8682145 Fax: +82 42 8617521 E-mail: mkleee@kaeri.re.kr	RAS/0/038: Role Nuclear Power and Other Energy Options in Competitive Electricity Markets (RCA)	ROK		Mr. K-Y Nam – NE
Environment –NZE <i>Contact Person:</i> Mr. Andreas MARKWITZ Institute of Geological & Nuclear Sciences Ltd. 30 Gracefield Road, P.O. Box 31-312 Lower Hutt, Wellington New Zealand	RAS/7/011: Enhancing the Sustainability of the Marine Coastal Environment (RCA)	AUL assisted by IND	ANSTO – Australia PNRI & MSI – Philippines BARC – India MINT – Malaysia PINSTECH – Pakistan <i>See attached list of RRUs for different components & contact info</i>	Mr. S. Fowler – NAML Ms. F. Boisson – NAML

<p>Tel: +64 4 5704785 Fax: +64 4 5704657 E-mail: a.markwitz@gns.cri.nz</p>	<p>RAS/7/013: Improved Information about Urban Air Quality Management (RCA)</p>	<p>NZE assisted by CPR & PHI</p>	<p>ANSTO – Australia CIAE – China BARC & CCCM – India BATAN – Indonesia GNS – New Zealand PINSTECH – Pakistan NUS – Singapore VAEC – Vietnam OAP - Thailand</p> <p><i>See attached list of RRUs for different components & contact info</i></p>	<p>Mr. A. Marcowicz – NAAL Mr. B. Smadis - NAHU</p>
	<p>RAS/8/092: Investigating Environment and Water Resources in Geothermal Areas (RCA)</p>	<p>PHI</p>	<p>PNOC- Philippines (Geothermal Div.) PINSTECH - Pakistan</p>	<p>Mr. Z. Pang – NAPC</p>
	<p>RAS/8/095: Improving Regional Capacity for Assessment, Planning, and Response to Aquatic Environmental Emergencies (RCA)</p>	<p>AUL</p>	<p><i>See attached list of RRUs for different components & contact info</i></p>	<p>Mr. P. Povinec – NAML Mr. H. Y. Lee – NAML</p>
	<p>RAS/8/097: Isotope Techniques for Groundwater Contamination Studies in Urbanized and Industrial Areas (RCA)</p>	<p>PHI assisted by IND</p>	<p>BARC – India KAERI – Korea, Republic of PINSTECH – Pakistan</p> <p><i>See attached list of RRUs for different components & contact info</i></p>	<p>Mr. K.M. Kulakarni – NAPC</p>
<p>Health – JPN <i>Contact Person:</i> Mr. Takashi NAKANO Dept. of Radiology & Radiation Oncology, Gunma University School of Medicine 3-39-22, Showa-machi, Maebashi-si Gunma 371 8511 Tel: +81 27 2208380</p>	<p>RAS/6/029: Distance-Assisted Training for Nuclear Medicine Technicians (RCA)</p>	<p>AUL</p>	<p>Contact Person: Prof. Brian F HUTTON Department of Medical Physics and Department of Nuclear Medicine & Ultrasound, Westmead Hospital, Westmead NSW 2145 Tel: 61 2 9845 7354 Fax: 61 2 9891 5385 E-mail: Brian.Hutton@imag.wsahs.nsw.gov.au</p>	<p>Mr. A.J. Padhy – NAHU</p>

Fax: +81 27 2208397 E-mail: tnakano@med.gunma-u.ac.jp	RAS/6/033: Distance Education in Radiation Oncology (RCA)	AUL	Contact Person: Prof. Michael BARTON Director, Collaboration for Cancer Outcome Research & Evaluation (CCOR), Cancer Therapy Centre, Liverpool Hospital, Liverpool NSW 2170 Tel: + 61 2 9828 6540 Fax: +61 2 9828 6111 E-mail: michael.barton@swsahs.nsw.gov.au	Mr. C.V. Levin – NAHU
	RAS/6/035: LDR & HDR Brachytherapy in Treating Cervical Cancer	JPN (<i>to be confirmed</i>)		Mr. B. Vikram – NAHU
	RAS/6/036: Management of Liver Cancer Using Transarterial Radioconjugate Therapy (RCA)	JPN (<i>to be confirmed</i>)		Mr. A.J. Padhy – NAHU
	RAS/6/037: Quality Assurance for Treatment of Cervix Cancer by Radiotherapy (RCA)	JPN (<i>to be confirmed</i>)		Mr. B. Vikram – NAHU
	RAS/6/038: Strengthening Medical Physics through Education and Training (RCA)	AUL	Contact Person: Dr. John DREW Chief Physicist, Medical Physics Westmead Hospital, Westmead, NSW 2145 Tel: +61 2 9845 6482 Fax: +61 2 9891 5814 E-mail: drew@radonc.wsahs.nsw.gov.au	Mr. F. Pernicka – NAHU
	RAS/6/039: Use of Radiosynovectomy in the Management of Patients Suffering from Painful Joint Disorders (RCA)	JPN (<i>to be confirmed</i>)		Mr. A.J. Padhy – NAHU
	RAS/7/012: Diagnosing Osteoporosis Using Nuclear Techniques (RCA)	JPN (<i>to be confirmed</i>)		Mr. V. Iyengar – NAHU
Industry – IND Contact Person:	RAS/8/085: Non-Destructive Testing and Evaluation (RCA)	JPN		Mr. I. Einav – NAPC

Mr. Gursharan SINGH Isotope Applications Division Bhabha Atomic Research Centre Trombay, Mumbai India Tel: +91 22 255055161 Fax: +91 22 25505345 / 25505151 E-mail: gsingh@apsara.barc.ernet.in	RAS/8/091: Process Diagnostics and Optimization in Petrochemical Industry (RCA)	IND assisted by AUL		Mr. J. Thereska – NAPC
	RAS/8/093: Use of Isotopes in Dam Safety and Sustainability (RCA)	PAK	PINSTECH - Pakistan	Mr. B. Wallin – NAPC
	RAS/8/094: Optimization of Materials in Industry Using Online Bulk Analysis Techniques (RCA)	AUL assisted by NZE	CSIRO Contact Person: Dr. Jacek CHARBUCINSKI, CSIRO Exploration and Mining, 2643 Moggill Road, Pinjarra Hills, Qld, 4069 Tel: +61 7 3212 4625 Fax: +61 7 3212 4455 E-mail: j.charbucinski@cat.csiro.au GNS – New Zealand	Mr. J. Thereska – NAPC
	RAS/8/096: Modification of Natural Polymers through Radiation Processing (RCA)	JPN	JAERI - Japan	Mr. A. Chmielewski – NAPC
Research Reactor – ROK <i>Contact Person:</i> Mr. Byun-Jin JUN HANARO Centre Korea Atomic Energy Research Inst. P.O. Box 105, Yusung Daejeon Republic of Korea Tel: +82 42 8677493 Fax: +82 42 8610209 E-mail: bjjun@kaeri.re.kr	RAS/4/022: Improvement of Research Reactor Operation and Utilization, Phase II (RCA)	ROK		Mr. S. Paranjpe – NAPC

Radiation Protection – AUL <i>Contact Person:</i> Mr. David WOODS ANSTO PMB 1, Menai, NSW 2234 Tel.: +61 2 97173578 Fax: +612 97179266 Email: daw@ansto.gov.au	RAS/9/018: Harmonization of Radiation Protection RAS/9/029: Harmonization of Radiation Protection, Phase IV (RCA) RAS/0/029: Radiation Protection and Networking	AUL AUL AUL		Mr. B. Djermouni – NSW Ms. G. Sadagopan – NSW