

## Overview of the RCA Programme in 2001/2002

Programme: 20 Projects (carry-over/ extended projects)  
12 Projects (new projects)

Thematic Programme Areas:

Agriculture (8 projects)  
Health (5 project)  
Industry (4 project)  
Environment (9 projects)  
Energy/ Research Reactors/ Waste Management (3 project)  
Radiation Protection (2 projects)  
General (1 project)

Budget: 2001 - \$ 5.65 million (est.)  
2002 - \$ 4.38 million (est.)

Programme ownership:

Policy level meetings  
Establishment of operating rules and guidelines  
Lead Countries  
for each of the thematic programme areas & project  
Project Committee Meeting

## Overview of Projects - 2001/2002

Programme 32 Projects

<u>Programme Areas</u>	<u>Continuing</u>	<u>New</u>	<u>Total Projects</u>
Agriculture	4	4	8
Health	4	1	5
Industry	2	2	4
Energy/ Research Reactor/ Waste Mgt.	1	2	3
Environment	6	3	9
Radiation Protection	2	-	2
General	1	-	1
Total	20	12	32
Budget estimate	\$ 5.55 m	\$ 4.49 m	\$ 10.04 m

# **FUNDING OF PROJECTS FOR 2001/2002 BY FIELDS -**

## **AGRICULTURE**

Project Title (Duration)	Fund (\$)				Total (\$)
	2001		2002		
	H <sup>1</sup>	<u>a</u> / <sup>2</sup>	H	<u>a</u> /	
1. RAS/5/037 Mutational Enhancement for Genetic Diversity in Rice (1999-2002)	26,150		35,300		H : 61,450
2. RAS/5/035 Better Management of Feeding and Reproduction of Cattle (Duration: 1999-2001)	221,760		208,800		H : 430,560
3. RAS/5/036 Monitoring Pesticide Residues in Food and the Environment (4 years from 1999)		34,200		50,400	<u>a</u> / : 84,600
4. RAS/5/038 Improvement Genetic Diversity in Wheat, Oil Crops and Pulses (4 years from 1999)		101,410		103,820	<u>a</u> / : 205,230
5. RAS/2001/009 (RAS/5/039) Restoration of Soil Fertility and Sustenance of Agricultural Productivity			262,820		262,820
6. RAS/2001/010 (RAS/5/042) Application of Food Irradiation on Food Security, Safety and Trade	100,740		44,100	25,000	H : 144,840 <u>a</u> / : 25,000
7. RAS/2001/012 (RAS/5/041) Production of FMD Antigen and Antibody ELISA Reagent Kit		236,940		137,360	<u>a</u> / : 374,300
8. RAS/2001/032 (RAS/5/040) Development of Better Genotypes of Food and Oil Crops and Pulses		209,220		177,000	<u>a</u> / : 386,220
Sub Total	348,650	581,770	551,020	493,580	H : 899,670 <u>a</u> / : 1,075,350
Total	930,420		1,044,600		1,975,020

<sup>1</sup> H = Hardcore

<sup>2</sup> a/= Footnote a

Item No.3, 4, 7, & 8 are awaiting funding.

For New projects - RAS/2001/xxx, the budgets are estimate only. It will be revised by end of 2000.

## HEALTH

Project Title (Duration)	Fund (\$)				Total (\$)
	2001		2002		
	H <sup>1</sup>	<u>a</u> / <sup>2</sup>	H	<u>a</u> /	
1. RAS/7/008    Quality Assurance in Radiation Sterilization of Tissue Grafts (1997-2002)	139,600	153,400	50,000	60,000	H : 189,600 <u>a</u> / : 213,400
2. RAS/6/028    Nuclear Medicine Applications (1997 - 2002)	266,620	338,370	268,900	377,980	H : 535,520 <u>a</u> / : 716,350
3. RAS/6/033    Distance Learning in Radiation Oncology ( 1999 - 2001)	47,220				47,220
4. RAS/6/029 Improved Training for Nuclear Medicine Technicians		47,400			<u>a</u> / : 47,400
5. RAS/2001/027 (RAS/6/035) LDR and HDR Brachytherapy in Treating Cervical Cancer	100,000	30,000	70,240		H : 170,240 <u>a</u> / : 30,000
Sub Total	553,440	569,170	389,140	437,980	H : 942,580 <u>a</u> / : 1,007,150
Total	1,122,610		827,120		1,949,730

<sup>1</sup> H = Hardcore

<sup>2</sup> a/ = Footnote a

Item No. 1, 2, & 5 footnote a/ are awaiting funding.

Item No. 4 footnote a/ is assured (AUL).

## **INDUSTRY**

Project Title (Duration)	Fund (\$)				Total (\$)
	2001		2002		
	H <sup>1</sup>	<u>a</u> <sup>2</sup>	H	<u>a</u> /	
1. RAS/4/018    Manufacture and QC of Co-60 Brachytherapy Sources ( 1999 - 2001)		65,000			<u>a</u> / : 65,000
2. RAS/8/085    Non-Destructive Testing and Evaluation (1999 - 2002)		186,290		35,000	<u>a</u> / : 221,290
3. RAS/2001/016 (RAS/8/091) Process Diagnostics and Optimisation in PetroChemical Industry	193,380	84,200	230,400	18,200	H : 423,780 <u>a</u> / : 102,400
4. RAS/2001/017 (RAS/8/089) Optimisation of Mineral Resources Recovery Using Low Radioactivity and Portable Nucleonic Gauges		143,840		141,860	<u>a</u> / : 285,700
Sub Total	193,380	479,330	230,400	195,060	H : 423,780 <u>a</u> / : 674,390
Total	672,710		425,460		1,098,170

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<sup>1</sup> H = Hardcore

<sup>2</sup> a = Footnote a

Item 1, 3, & 4 footnote a awaiting funding.

Item 2 has some assured funding (JPN).

## **ENVIRONMENT**

Project Title (Duration)	Fund (\$)				Total (S)
	2001		2002		
	H <sup>1</sup>	<u>a</u> / <sup>2</sup>	H	<u>a</u> /	
1. RAS/8/076 Better Management of Environment and Industrial Growth (5years from 1997)	200,000	96,000	92,110	11,480	H : 292,110 <u>a</u> / : 107,480
2. RAS/8/082 Isotopic and Related Techniques to the Assessment of Air Pollution (3 years from 1999)	252,440	194,250	272,780	49,860	H : 525,220 <u>a</u> / : 244,110
3. RAS/8/084 Isotope us in Managing and Protecting Drinking Water (4 years from 1999)	163,880	42,960	97,040	60,000	H : 260,920 <u>a</u> / : 102,960
4. RAS/8/083 <sup>+</sup> Management of Marine Coastal Environment Pollution (1999 - 2004) AUL Extrabudgetary contribution		416,500		168,000	<u>a</u> / : 584,500
5. RAS/0/029 Radiation Protection and Networking (1999 - 2002) AUL Extrabudgetary contribution		177,734		5,299	<u>a</u> / : 183,033
6. RAS/8/087 Radiation Processing Applications for Agrowastes (1999-2001) JPN Extrabudgetary contribution		75,000		25,000	<u>a</u> / : 100,000
7. RAS2001/018 (RAS/8/090) Upgrading Natural Polymers and Enhancing Environment Conservation by Using Radiation Processing		103,320		108,780	<u>a</u> / : 212,100
8. RAS/2001/021 (RAS/8/093) Use of Isotopes in Dam Safety and Dam Sustainability	151,000		195,400	49,600	H: 399,600 <u>a</u> / : 49,600
9. RAS/2001/022 (RAS/8/092) Investigating the Environment & Water Resources in Geothermal Areas	146,750		180,500		327,250
Sub Total	914,070	1,105,764	837,830	478,019	H : 1,751,900 <u>a</u> / : 1,583,783
Total	2,019,834		1,315,849		3,335,683

<sup>+</sup> Awaiting funding from Australia Extrabudgetary under the MOU agreement

Item 1, 2, 3 footnote a/ are awaiting funding.

Item 4, 5, 6, & 7 have received funding (AUL & JPN).

## **ENERGY/RESEARCH REACTORS/WASTE MANAGEMENT**

Project Title (Duration)	Fund (\$)				Total (\$)
	2001		2002		
	H <sup>1</sup>	<u>a</u> / <sup>2</sup>	H	<u>a</u> /	
1. RAS/4/016 Disposal of Radioactive Waste from Non-Power Sources (1997 - 2001))		60,000			60,000
2. RAS/2001/013 (RAS/4/020) Improvement of Research Reactor Operation and Utilisation	107,800	71,250	184,360	27,300	H : 292,160 <u>a</u> / : 98,550
3. RAS/2001/014 (RAS/0/033) Role of Nuclear Power and Other Energy Options in Mitigating Greenhouse Gas Emissions	123,800	24,600	50,000	105,880	H : 173,000 <u>a</u> / : 130,480
Sub Total	231,600	155,850	234,360	133,180	H : 465,960 <u>a</u> / : 289,030
Total	387,450		367,540		754,990

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<sup>1</sup> H = Hardcore

<sup>2</sup> a/ = Footnote a

Items 1, 2, & 3 footnote a/ are awaiting funding.

## **RADIATION PROTECTION**

Project Title (Duration)	Fund (\$)				Total (\$)
	2001		2002		
	H <sup>1</sup>	<u>a</u> <sup>2</sup>	H	<u>a</u> /	
1. RAS/9/018 Harmonization of Radiation Protection (1997 - 2002)	220,800	133,400	234,000	123,400	H : 454,800 <u>a</u> / : 256,800
2. RAS/9/024 Environmental Radiation Monitoring and Regional Database (1999 - 2001) ROK extrabudgetary contribution		52,870			52,870
Sub Total	220,800	186,270	234,000	123,400	H : 454,800 <u>a</u> / : 309,670
Total	407,070		357,400		764,470

## **GENERAL**

Project Title (Duration)	Fund (\$)				Total (\$)
	2001		2002		
	H <sup>1</sup>	<u>a</u> / <sup>2</sup>	H	<u>a</u> /	
1. RAS/0/025 Development of TCDC in Asia and the Pacific (3 years from 1997)	114,530		46,760		161,290
Total	114,530		46,760		161,290

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<sup>1</sup> H = Hardcore

<sup>2</sup> a/ = Footnote a

On Radiation Protection, item 1 has received partial support (JPN); item 2 still awaiting funding.





## **TOTAL FUNDING OF PROJECTS 2001/2002 BY FIELDS**

Field of Projects	Fund (\$)				Total (\$)
	2001		2002		
	H <sup>1</sup>	<u>a</u> / <sup>2</sup>	H	<u>a</u> /	
1. Agriculture (4 continuing projects) (4 new projects)	348,650	581,770	551,020	439,580	H : 899,670 <u>a</u> / : 1,075,350
Sub Total	930,420		1,044,600		1,975,020
2. Health (3 continuing projects) (2 new projects)	553,440	569,170	389,140	437,980	H : 942,580 <u>a</u> / : 1,007,150
Sub Total	1,122,610		827,120		1,949,730
3. Industry (2 continuing projects) (2 new projects)	193,380	479,330	230,400	195,060	H : 423,780 <u>a</u> / : 674,390
Sub Total	672,710		425,460		1,098,170
4. Environment (6 continuing projects) (3 new projects)	914,070	1,105,764	837,830	478,019	H : 1,751,900 <u>a</u> / : 1,583,783
Sub Total	2,019,834		1,315,849		3,335,683
5. Energy/Research Reactors/Waste Management (1 continuing project) (2 new projects)	231,600	155,850	234,360	133,180	H : 465,960 <u>a</u> / : 289,030
Sub Total	387,450		367,540		754,990
6. Radiation Protection (2 continuing projects)	220,800	186,270	234,000	123,400	H : 454,800 <u>a</u> / : 309,670
Sub total	407,070		357,400		764,470
General (1 project)	114,530		46,760		161,290
Sub Total	114,530		46,760		161,290
Sub Total	2,576,470	3,078,154	2,523,510	1,861,219	H : 5,099,980 <u>a</u> / : 4,939,373

<sup>1</sup> H = Hardcore

<sup>2</sup> a / = Footnote a

<b>Total</b>	<b>5,654,624</b>	<b>4,384,729</b>	<b>10,039,353</b>
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