

RCA Programme: 1999-2000

Topics

- o Overview
- o Expenditures for 1999 Programme by area
- o Estimated Budget for 2000 Programme by area
 - ✓ Active Projects
 - ✓ Active Funding Projects
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Overview of the RCA Programme in 1999/2000

Programme: 34 Projects

- 28 Active Projects
- 21 Operational Projects

Thematic Programme Areas:

Agriculture (5 projects)
Health (5 projects)
Industry (5 projects)
Energy/ Research Reactor/ Waste Management (3 projects)
Environment (6 projects)
Radiation Protection (2 projects)
(General - those that cannot be categorized as above)

Total Expenses: 1999 - \$4.77 million* (adjusted programmes)

Total Budget: 2000 - \$5.19 million (estimated)

Programme Ownership:

Policy level meetings
Establishment of guidelines and operating rules
Project Formulation
Lead Countries for each of the thematic programme areas &
Projects

* As per final data obtained on 31 July 2000.

Overview of Projects - 1999

Programme	28 Projects		
<u>Programme Areas</u>	<u>Active</u>	<u>Awaiting funds</u>	<u>Total Projects</u>
Agriculture	3	2	5
Health	4	1	5
Industry	3	2	5
Energy/ Research Reactor/ Waste Mgt.	2	1	3
Environment	6	-	6
Radiation Protection	1	1	2
General	2	-	2
Total	21	7	28
 Budget	 \$ 4.77 m*	 \$ 0.89 m	 \$ 5.66 m

Total To-be-closed Projects in 1999 : 6

* As per final data obtained on 31 July 2000.

TOTAL FUNDING OF PROJECTS 1999-2000 BY FIELDS

Field of Projects	Fund (\$)				Total (\$)
	1999		2000		
	H ¹	<u>a</u> / ²	H	<u>a</u> /	
1. Agriculture [operational - 3] [non-operational - 2]	205,245	-	551,775	-	H : 757,020
Sub Total	205,245		551,775		757,020
2. Health [operational - 4] [non-operational - 1]	872,081	28,409	930,601	99,751	H : 1,802,682 <u>a</u> / : 128,160
Sub Total	900,490		1,030,352		1,930,842
3. Industry [operational - 3] [non-operational - 2]	164,627	126,162	428,968	-	H : 593,595 <u>a</u> / :126,162
Sub Total	290,789		428,968		719,757
4. Energy/Research Reactors/Waste Management [operational - 3]	117,638	41,829	541,025	52,375	H : 658,663 <u>a</u> / : 94,204
Sub Total	159,467		593,400		752,867
5. Environment [operational - 6]	267,467	549,072	969,921	719,361	H : 1,237,388 <u>a</u> / : 1,268,433
Sub Total	816,539		1,689,282		2,505,821
6. Radiation Protection [operational - 1] [non-operational - 1]	162,434	35,832	628,359	73,155	H : 790,793 <u>a</u> / : 108,987
Sub total	198,266		701,514		899,780
7. General [operational - 2]	335,970	-	200,240	-	H : 536,210
Sub Total	335,970		200,240		536,210
Sub Total	2,125,462	781,304	4,250,889	944,642	H :6,376,351 <u>a</u> / :1,725,946
Total	2,906,766		5,195,531		8,102,297

¹ H = Hardcore

² a/ = Footnote a

AGRICULTURE

Project Title (Duration)	Fund (\$)				Total (\$)
	1999		2000		
	H ¹	<u>a</u> / ²	H	<u>a</u> /	
1. RAS/5/037 Mutational Enhancement for Genetic Diversity in Rice (Duration: 1999-2002)	37,005	-	263,302	-	H : 300,307
2. RAS/5/034 Irradiation as Sanitary and Phytosanitary Food Treatment (Duration: 1999-2000)	87,514	-	79,412	(80,000)	H : 166,926
3. RAS/5/035 Better Management of Feeding and Reproduction of Cattle (Duration: 1999-2001)	80,726	-	209,061	(76,000)	H : 289,787
4. RAS/5/036* Monitoring Pesticide Residues in Food and the Environment (2 years from 1999)	-	(39,390)	-	(32,920)	(<u>a</u> / : 72,310)
5. RAS/5/038* Improvement Genetic Diversity in Wheat, Oil Crops and Pulses (4 years from 1999)	-	(105,865)	-	(100,600)	(<u>a</u> / :206,465)
Sub Total	205,245		551,775		H : 757,020
Total	205,245		551,775		757,020

¹ H = Hardcore

² a = Footnote a

* Approved for 1999/2000 Cycle; awaiting funding (non-operational)

() = Estimate only; money has not been received yet

HEALTH

Project Title (Duration)	Fund (\$)				Total (\$)
	1999		2000		
	H ¹	<u>a</u> / ²	H	<u>a</u> /	
1. RAS/6/027 Quality Assurance in Radiation Therapy (Duration: 1997-2000)	178,238	-	402,228	-	H : 580,466
2. RAS/7/008 Quality Assurance in Radiation Sterilization of Tissue Grafts (Duration: 1997-2001)	177,468	-	256,233	-	H : 433,701
3. RAS/6/028 Nuclear Medicine Applications (Duration: 1997-2000)	510,390	-	264,610	-	H : 775,000
4. RAS/6/029 Improved Training for Nuclear Medicine Technicians (Duration: 1997-2000)	5,985	28,409	7,530	99,751	H :13,515 <u>a</u> / : 128,160
5. RAS/6/033* Distance Learning in Radiation Oncology (2 years from 1999)	-	(138,130)	-	(46,800) ⁺	<u>a</u> / : (184,930)
Sub Total	872,081	28,409	930,601	99,751	H : 1,802,682 <u>a</u> / : 128,160
Total	900,490		1,030,352		1,930,842

¹ H = Hardcore

² a/ = Footnote a

* Approved for 1999/2000 Cycle; awaiting funding (non-operational)

⁺ Estimate for this - after the Advisory Board Meeting is \$298,000

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INDUSTRY

Project Title (Duration)	Fund (\$)				Total (\$)
	1999		2000		
	H ¹	<u>a</u> / ²	H	<u>a</u> /	
1. RAS/8/086 Radiotracers, Sealed Sources & Nucleonic Gauges in Industry (Duration: 1999-2000)	137,592	-	426,021	-	H : 563,613
2. RAS/4/018* Manufacture and QC of Co-60 Brachytherapy Sources (Duration: 1999-2000)	-	(41,000)	-	(41,000)	(<u>a</u> / : 82,000)
3. RAS/8/077 Thematic Programme on Advanced Techniques for Industry (1997-1999)	27,035	126,162	2,947	(90,000)	H: 29,982 <u>a</u> / : 126,162
4. RAS/8/085* Non-Destructive Testing and Evaluation (2 years from 1999)	-	(400,240)	-	(386,440)	(<u>a</u> / : 786,680)
Sub Total	164,627	126,162	428,968		H : 593,595 <u>a</u> / :126,162
Total	290,789		428,968		719,757

¹ H = Hardcore

² a/ = Footnote a

* Approved for 1999/2000 Cycle; awaiting funding. In the case of RAS 4/018 JPN gave \$10,000 in 1998.

() = Estimate only; money has not been received yet

ENERGY/RESEARCH REACTORS/WASTE MANAGEMENT

Project Title (Duration)	Fund (\$)				Total (\$)
	1999		2000		
	H ¹	<u>a</u> / ²	H	<u>a</u> /	
1. RAS/0/028 Comparative Assessment of Electricity Generation Options (Duration: 1999-2000)	65,737	-	310,045	-	H : 375,782
2. RAS/4/019 Improving Research Reactor Operation and Utilization (Duration: 1999-2000)	25,253	28,564	230,980	49,811	H : 256,233 <u>a</u> / : 78,375
3. RAS/4/016 Disposal of Radioactive Waste from Non-Power Sources (Duration: 1997-2000)	26,648	13,265 ⁺	-	2,564	H : 26,648 <u>a</u> / : 15,829
Sub Total	117,638	41,829	541,025	52,375	H : 658,663 <u>a</u> / : 94,204
Total	159,467		593,400		752,867

¹ H = Hardcore

² a/ = Footnote a

⁺ Does not include the Republic of Korea's in-kind contribution in listing

ENVIRONMENT

Project Title (Duration)	Fund (\$)				Total (S)
	1999		2000		
	H ¹	<u>a</u> ²	H	<u>a</u> /	
1. RAS/8/076 Better Management of Environment and Industrial Growth (5years from 1997)	155,776	73,481	443,558	162,988	H : 599,334 <u>a</u> / : 236,468
2. RAS/8/082 Isotopic and Related Techniques to the Assessment of Air Pollution (3 years from 1999)	16,743	-	191,129	-	H : 207,872
3. RAS/8/084 Isotope us in Managing and Protecting Drinking Water (4 years from 1999)	94,948	-	335,234	-	H : 430,182
4. RAS/8/083 Management of Marine Coastal Environment Pollution (2 years from 1999)	-	4,000	-	116,608	<u>a</u> / : 120,608
5. RAS/0/029 Radiation Protection and Networking (2 years from 1999)	-	4,908	-	28,914	<u>a</u> / : 33,822
6. RAS/8/080 Better Management of Environment and Industrial Through Isotope & Radiation Technology (1 year in 1999)	-	466,683	-	410,852	<u>a</u> / : 877,535
7. RAS/8/087 Radiation Processing Applications for Agrowastes (Duration: 1999-	-	(102,530)	-	(100,000)	(<u>a</u> / : 202,530)

¹ H = Hardcore

² a = Footnote a

2001)					
Sub Total	267,467	549,072	969,921	719,361	H : 1,237,388 a/ : 1,268,433
Total	816,539	1,689,282	2,505,821		

RADIATION PROTECTION

Project Title (Duration)	Fund (\$)				Total (\$)
	1999		2000		
	H ¹	<u>a</u> / ²	H	<u>a</u> /	
1. RAS/9/018 Harmonization of Radiation Protection (2 years from 1997)	162,434	35,832	628,359	73,155	H : 790,793 <u>a</u> / : 108,987
2. RAS/9/024* Environmental Radiation Monitoring and Regional Database (2 years from 1999)	-	(107,210)	-	(105,600)	(<u>a</u> / : 212,810)
Sub Total	162,434	35,832	628,359	73,155	H : 790,793 <u>a</u> / : 108,987
Total	198,266		701,514		899,780

GENERAL

Project Title (Duration)	Fund (\$)		Total (\$)
	1999	2000	

¹ H = Hardcore

² a/ = Footnote a

	H¹	a/²	H	a/	
1. RAS/0/024 Project Formulation Meetings	249,802	-	31,835	-	H : 281,637
2. RAS/0/025 Development of TCDC in Asia and the Pacific (3 years from 1997)	86,168	-	168,405	-	H : 254,573
Total	335,970		200,240		536,210

Overview of Projects - 2000

Programme

28 Projects

<u>Programme Areas</u>	<u>Active</u>	<u>Awaiting funds</u>	<u>Total Projects</u>
Agriculture	3	2	5
Health	4	1	5
Industry	3	2	5
Energy/ Research Reactor/ Waste Mgt.	2	1	3
Environment	6	-	6
Radiation Protection	1	1	2
General	2	-	2
Total	21	7	28
Budget	\$ 5.19 m	\$ 1.99 m	\$ 7.18 m

* Approved for 1999/2000 Cycle; awaiting funding (non-operational)
(In March, ROK gave \$ 100,000)

Comparison of Implementation Rates

End of the Year	RCA	TCAPS	TC Dept
1995	62.6%	75.8%	75.7%
1996	61.1%	73.1%	75.4%
1997	49.0%	68.3%	76.2%
1998	54.4%	67.5%	76.7%
1999*	68.7%	76.0%	75.5%

* As per final data obtained on 31 July 2000.

Financial Status of RCA activities from all sources

As at 31 December 1999

(in US dollars)

Source	Income	Funds Available	Disbursements	Unliquidated Obligations	Unused Balance	Portion of unused bal. not yet allocated to projects
UNDP	410,852.00	466,683.00	249,763.60	125,616.28	91,303.12	-
Australia	329,329.43	899,458.23	244,659.36	273,805.29	380,993.58	62,532.02
China	100,043.37	154,048.06	8,815.31	-	145,232.75	109,952.68
Indonesia	8,100.00	37,300.18	-	-	37,300.18	34,338.12
Japan	270,000.00	1,290,046.37	333,020.27	154,143.15	802,882.95	212,105.56
Korea, Rep. Of	-	55,482.27	20,222.98	4,948.12	30,311.17	23,917.67*
Malaysia	10,000.00	64,747.53	-	-	64,747.53	64,747.53
New Zealand	-	20,436.23	5,768.64	1,762.30	12,905.29	-
Philippines	5,298.02	35,000.95	-	-	35,000.95	5,298.02
Sri Lanka	-	5,059.00	-	-	5,059.00	-
Thailand	-	27,079.50	-	-	27,079.50	-
Total	1,133,622.82	3,055,341.32	862,250.16	560,275.14	1,632,816.02	488,973.93

* Unused balance of closed project RAS/0/021. Yet to be allocated either to General Reserve or particular project.