

MAJOR PROGRAMME 2
NUCLEAR TECHNIQUES FOR DEVELOPMENT AND ENVIRONMENTAL PROTECTION
Summary of Regular Budget Resources for the Biennium

Subprogramme / Programme		2001 Adjusted Budget	Expenditure incr/(decr) %	2002 estimates at 2001 prices	Expenditure incr/(decr) %	2003 estimates at 2001 prices	Price increase %	2002 with price increase	2003 at 2002 prices
2.	Overall Management, Co-ordination and Common Activities	549 000	63 000 11.5	612 000	1 000 0.2	613 000	7.7	659 000	660 000
	Total	549 000	63 000 11.5	612 000	1 000 0.2	613 000	7.7	659 000	660 000
E.1	Soil and Water Management and Crop Nutrition	2 468 000	(191 000) (7.7)	2 277 000	92 000 4.0	2 369 000	4.7	2 383 000	2 480 000
E.2	Plant Breeding and Genetics	2 546 000	103 000 4.0	2 649 000	(81 000) (3.1)	2 568 000	3.6	2 745 000	2 663 000
E.3	Animal Production and Health	2 305 000	(76 000) (3.3)	2 229 000	55 000 2.5	2 284 000	4.1	2 321 000	2 377 000
E.4	Insect and Pest Control	3 456 000	51 000 1.5	3 507 000	76 000 2.2	3 583 000	3.9	3 645 000	3 720 000
E.5	Food Quality and Safety	2 576 000	80 000 3.1	2 656 000	(141 000) (5.3)	2 515 000	3.4	2 746 000	2 601 000
	Total	13 351 000	(33 000) (0.2)	13 318 000	1 000 -	13 319 000	3.9	13 840 000	13 841 000
	Less: FAO Budget Amount	2 572 000	262 000 10.2	2 834 000	- -	2 834 000	-	2 834 000	2 834 000
	Programme E - Food and Agriculture	10 779 000	(295 000) (2.7)	10 484 000	1 000 -	10 485 000	5.0	11 006 000	11 007 000
F.1	Nuclear Medicine	1 634 000	80 000 4.9	1 714 000	16 000 0.9	1 730 000	6.5	1 825 000	1 837 000
F.2	Applied Radiation Biology and Radiotherapy	999 000	29 000 2.9	1 028 000	(52 000) (5.1)	976 000	5.8	1 088 000	1 035 000
F.3	Dosimetry and Medical Radiation Physics	1 630 000	64 000 3.9	1 694 000	3 000 0.2	1 697 000	6.5	1 804 000	1 809 000
F.4	Nutrition and Effects of Contaminants on Human Health	1 432 000	- -	1 432 000	36 000 2.5	1 468 000	5.8	1 515 000	1 554 000
	Programme F - Human Health	5 695 000	173 000 3.0	5 868 000	3 000 0.1	5 871 000	6.2	6 232 000	6 235 000
G.1	Isotope Methodologies for the Protection and Management of Surface Water, Groundwater and Geothermal Resources	1 448 000	13 000 0.9	1 461 000	45 000 3.1	1 506 000	5.6	1 543 000	1 591 000
G.2	Reference Isotope Data and Analysis for Hydrologic Applications	1 323 000	18 000 1.4	1 341 000	(37 000) (2.8)	1 304 000	6.3	1 426 000	1 386 000
	Programme G - Water Resources	2 771 000	31 000 1.1	2 802 000	8 000 0.3	2 810 000	6.0	2 969 000	2 977 000
H.1	Measurement and Assessment of Radionuclides in the Marine Environment	1 597 000	(12 000) (0.8)	1 585 000	1 000 0.1	1 586 000	5.6	1 674 000	1 675 000
H.2	Transfer of Radionuclides in the Marine Environment	1 003 000	(8 000) (0.8)	995 000	1 000 0.1	996 000	5.8	1 053 000	1 054 000
H.3	Monitoring and Study of Marine Pollution	530 000	(6 000) (1.1)	524 000	- -	524 000	4.8	549 000	550 000
H.4	Measurement and Assessment of Radionuclides and Non-Radioactive Pollutants in the Terrestrial Environment	389 000	- -	389 000	- -	389 000	5.1	409 000	409 000
	Programme H - Protection of the Marine and Terrestrial Environments	3 519 000	(26 000) (0.7)	3 493 000	2 000 0.1	3 495 000	5.5	3 685 000	3 688 000
I.1	Radiochemical Applications	1 585 000	25 000 1.6	1 610 000	18 000 1.1	1 628 000	5.3	1 696 000	1 714 000
I.2	Radiation Processing, Radiography and Radiotracer Applications	805 000	(30 000) (3.7)	775 000	(21 000) (2.7)	754 000	6.2	823 000	802 000
	Programme I - Physical and Chemical Applications	2 390 000	(5 000) (0.2)	2 385 000	(3 000) (0.1)	2 382 000	5.6	2 519 000	2 516 000
	Major Programme 2	25 703 000	(59 000) (0.2)	25 644 000	12 000 -	25 656 000	5.6	27 070 000	27 083 000

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Core Activities Unfunded in the Regular Budget

Subprogramme / Programme	2002 Estimates			2003 Estimates		
	Total	Less Extrabudgetary Funds Expected	Net Unfunded	Total	Less Extrabudgetary Funds Expected	Net Unfunded
2. Overall Management, Co-ordination and Common Activities	590 000	-	590 000	400 000	-	400 000
Total	590 000	-	590 000	400 000	-	400 000
E.1 Soil and Water Management and Crop Nutrition	80 000	-	80 000	80 000	-	80 000
E.2 Plant Breeding and Genetics	-	-	-	-	-	-
E.3 Animal Production and Health	213 000	91 000	122 000	213 000	91 000	122 000
E.4 Insect and Pest Control	-	-	-	-	-	-
E.5 Food Quality and Safety	150 000	150 000	-	300 000	300 000	-
Total	443 000	241 000	202 000	593 000	391 000	202 000
Less: FAO Budget Amount	-	-	-	-	-	-
Programme E - Food and Agriculture	443 000	241 000	202 000	593 000	391 000	202 000
F.1 Nuclear Medicine	-	-	-	-	-	-
F.2 Applied Radiation Biology and Radiotherapy	-	-	-	-	-	-
F.3 Dosimetry and Medical Radiation Physics	-	-	-	-	-	-
F.4 Nutrition and Effects of Contaminants on Human Health	-	-	-	-	-	-
Programme F - Human Health	-	-	-	-	-	-
G.1 Isotope Methodologies for the Protection and Management of Surface Water, Groundwater and Geothermal Resources	-	-	-	-	-	-
G.2 Reference Isotope Data and Analysis for Hydrologic Applications	36 000	-	36 000	34 000	-	34 000
Programme G - Water Resources	36 000	-	36 000	34 000	-	34 000
H.1 Measurement and Assessment of Radionuclides in the Marine Environment	50 000	50 000	-	50 000	50 000	-
H.2 Transfer of Radionuclides in the Marine Environment	50 000	50 000	-	50 000	50 000	-
H.3 Monitoring and Study of Marine Pollution	51 000	51 000	-	51 000	51 000	-
H.4 Measurement and Assessment of Radionuclides and Non-Radioactive Pollutants in the Terrestrial Environment	85 000	-	85 000	85 000	-	85 000
Programme H - Protection of the Marine and Terrestrial Environments	236 000	151 000	85 000	236 000	151 000	85 000
I.1 Radiochemical Applications	-	-	-	-	-	-
I.2 Radiation Processing, Radiography and Radiotracer Applications	-	-	-	-	-	-
Programme I - Physical and Chemical Applications	-	-	-	-	-	-
Major Programme 2	1 305 000	392 000	913 000	1 263 000	542 000	721 000

Major Programme 2: Nuclear Techniques for Development and Environmental Protection

Core Activities Unfunded in the Regular Budget (CAURBs)

NET UNFUNDED

Prog./Subprog./ Proj.Code	Description of CAURB	Priority	Amount in 2002	Amount in 2003	TOTAL US\$
2.	Overall Management, Co-ordination and Activities				
2.1.01	Carry out R&D through laboratory activities and CRP on development of SIT for malaria mosquitoes.	High	590 000	400 000	990 000
	Programme Total		590 000	400 000	990 000
E.	FOOD AND AGRICULTURE				
E.1	Soil and Water Management and Crop Nutrition				
E.1.01	Co-ordinate a CRP on optimize nutrient flows for sustainable crop and livestock production in smallholders farming systems in Africa and Asia.	High	80 000	80 000	160 000
E.3	Animal Production and Health				
E.3.01	Co-ordinate a CRP on optimize nutrient flows for sustainable crop and livestock production in smallholders farming systems in Africa and Asia.	High	80 000	80 000	160 000
E.3.01	General Service support for laboratory activities in Seibersdorf for developing improved methodologies for integrated management of natural resources in small scale dairy production systems.	Medium	42 000	42 000	84 000
E.	Programme Total		202 000	202 000	404 000
G	WATER RESOURCES				
G.2	Reference Isotope Data and Analysis for Hydrologic Applications				
G.2.01	Collect and analyse isotope data for precipitation and surface runoff.	High	31 000	-	31 000
G.2.02	Strengthen Member State capability for isotope measurements.	High	5 000	34 000	39 000
G.	Programme Total		36 000	34 000	70 000
H	PROTECTION OF THE MARINE AND TERRESTRIAL ENVIRONMENTS				
H.4	Measurement and Assessment of Radionuclides and Non-Radioactive Pollutants in the Terrestrial Environment				
H.4.03	Provide temporary staff to plan and implement radiochemical analysis of environmental samples in the Agency's Seibersdorf laboratories.	High	85 000	85 000	170 000
H.	Programme Total		85 000	85 000	170 000
	TOTAL MAJOR PROGRAMME 2		913 000	721 000	1 634 000

MAJOR PROGRAMME 2
NUCLEAR TECHNIQUES FOR DEVELOPMENT AND ENVIRONMENTAL PROTECTION
Core Activities Unfunded in the Regular Budget

Outputs which will not be produced or which will be delayed or hindered if funding is not provided
(see Net Unfunded column of the preceding CAURBs Table)

Programme 2		Some essential activities in relation to Resolution 24 of the General Conference (September 2000) which requests the Agency to initiate R&D activities that would lead to possible application of the Sterile Insect Technique (SIT) for the control or eradication of malaria mosquitoes.
Programme E		
Subprogramme E.1.	<i>E.1.01.</i>	Data that would lead to recommendations for optimizing nutrient flows between soil, plants and animals in smallholder crop–livestock production systems.
Subprogramme E.3.	<i>E.3.01.</i>	Micro-satellite technologies for use in developing countries to maximize the use of available genetic resources in indigenous livestock breeds.
Programme G		
Subprogramme G.2.	<i>G.2.01.</i>	Isotopic database that would help Member States to improve water management.
	<i>G.2.02.</i>	Adequate tools (guidelines, reference materials) in Member States for improving quality of isotopic data for water.
Programme H		
Subprogramme H.4.	<i>H.4.03.</i>	Techniques for developing reference methods for radiochemical and physical characterization of radioactive particles.

MAJOR PROGRAMME 2
NUCLEAR TECHNIQUES FOR DEVELOPMENT AND ENVIRONMENTAL PROTECTION
Other (UN and Member States) Extrabudgetary Requests

Subprogramme / Programme	2002 Estimates		2003 Estimates	
	UN	MS	UN	MS
	Organizations	Requests	Organizations	Requests
2. Overall Management, Co-ordination and Common Activities	-	-	-	-
Total	-	-	-	-
E.1 Soil and Water Management and Crop Nutrition	-	-	-	-
E.2 Plant Breeding and Genetics	-	-	-	-
E.3 Animal Production and Health	-	-	-	-
E.4 Insect and Pest Control	-	-	-	-
E.5 Food Quality and Safety	-	-	-	-
Total	-	-	-	-
FAO Budget Amount	2 834 000	-	2 834 000	-
Programme E - Food and Agriculture	2 834 000	-	2 834 000	-
F.1 Nuclear Medicine	-	-	-	-
F.2 Applied Radiation Biology and Radiotherapy	-	-	-	-
F.3 Dosimetry and Medical Radiation Physics	-	-	-	-
F.4 Nutrition and Effects of Contaminants on Human Health	-	-	-	-
Programme F - Human Health	-	-	-	-
G.1 Isotope Methodologies for the Protection and Management of Surface Water, Groundwater and Geothermal Resources	-	-	-	-
G.2 Reference Isotope Data and Analysis for Hydrologic Applications	-	-	-	-
Programme G - Water Resources	-	-	-	-
H.1 Measurement and Assessment of Radionuclides in the Marine Environment	-	-	-	-
H.2 Transfer of Radionuclides in the Marine Environment	-	-	-	-
H.3 Monitoring and Study of Marine Pollution	479 000	-	479 000	-
H.4 Measurement and Assessment of Radionuclides and Non-Radioactive Pollutants in the Terrestrial Environment	-	-	-	-
Programme H - Protection of the Marine and Terrestrial Environments	479 000	-	479 000	-
I.1 Radiochemical Applications	-	-	-	-
I.2 Radiation Processing, Radiography and Radiotracer Applications	-	-	-	-
Programme I - Physical and Chemical Applications	-	-	-	-
Major Programme 2	3 313 000	-	3 313 000	-