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Technical Assistance and Cooperation Committee

Item 2 of the provisional agenda

(GOV/COM.8/127)

**Technical Cooperation
Ongoing Project Listings for
2009–2011**

- By Region and Country
- By Field of Activity Code

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NOTES TO THE LISTINGS OF ONGOING PROJECTS

1. The implementation of these projects will be in accordance with the relevant UN Security Council resolutions.
2. The Secretariat's evaluation of technical cooperation to be provided to the Islamic Republic of Iran in the light of United Nations Security Council Resolutions 1737(2006), 1747(2007) and 1803(2008) is contained in Addendum 3. The evaluation is based on the same considerations set out in GOV/2007/7 which was approved by the Board of Governors at its meeting on 8 March 2007.
3. In line with the recommendations of the Board (GOV/1999/67 and GOV/2001/48), the provision of radiation sources or any equipment involving the use of radiation sources will be supported under the relevant project(s) only after the recipient country has met principal requirements of the international Basic Safety Standards with respect to the system of notification, authorization, inspection, and enforcement for the control of radiation sources (milestone 1), and the system of occupational exposure control (milestone 2), as defined in the GOV documents referred to above. Assessing the attainment of these milestones will be determined by peer review.
4. An indication of the year in which the ongoing project was first approved is given in brackets at the end of each project title.
5. **Core programme:** Projects and activities financed from the TCF are said to be "core programme" in that they have an identified funding source.
6. **Footnote-a/:** Projects or parts thereof designated footnote-a/ are those approved by the Board of Governors for which no immediate funds are available. Financing for them is sought from extrabudgetary resources or, should circumstances permit, TCF resources. Also known as projects "awaiting donors".

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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Africa

Algeria

1.	Sustainable Energy Development and Preparation for Nuclear Power (2007)	ALG/0/013	45 440	36 100	117 250	147 300	0E
2.	Production and Utilization of Short-lived Radioisotopes for Nuclear Medicine including PET (2007)	ALG/2/007	36 935	58 600	0	0	2G
3.	Nuclear Techniques for Sustainable Use of Saline Groundwater and Wastelands for Plant Production (2007)	ALG/5/022	56 505	49 600	0	0	5B
4.	Conformal Radiotherapy, Phase I (2007)	ALG/6/015	91 435	53 800	0	0	6C
5.	Contribution of Hydrochemistry and Isotopes to the Study of Chott El-Gharbi Aquifer Systems (Western Algeria) (2007)	ALG/8/013	45 270	11 400	0	0	8M
Sub-Total			275 585	209 500	117 250	147 300	
1.	Production and Utilization of Short-lived Radioisotopes for Nuclear Medicine including PET (2007)	ALG/2/007 a/	50 400	105 600	0	0	2G
Sub-Total			50 400	105 600	0	0	

Angola

1.	Effect of Biofertilizer and Inorganic Fertilizer Uses on the Growth and Yield of Maize and Bean in Ferralitic Soils of Huambo. (2007)	ANG/5/005	58 900	0	0	0	5B
2.	Improvement of Food Crops through Mutation Breeding and Biotechnology (2007)	ANG/5/006	47 850	36 400	0	0	5C
3.	Establishment of a Non-destructive Testing (NDT) Laboratory for Industrial Applications (2007)	ANG/8/002	41 435	96 225	0	0	8P
Sub-Total			148 185	132 625	0	0	

Benin

1.	Regulatory Control and Monitoring of Mycotoxins to Facilitate Trade (2007)	BEN/5/004	92 200	55 225	0	0	5G
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Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
2.	Establishment of a Radioimmunoassay Service for the Management of Endemic Goitre (2007)	BEN/6/002	48 200	0	0	0	6B
3.	Isotopic Techniques for Modelling the Coastal Aquifer System (2007)	BEN/8/003	64 100	0	0	0	8M
		Sub-Total	204 500	55 225	0	0	
Botswana							
1.	Mutational Improvement of Groundnut Varieties (2007)	BOT/5/003	57 800	0	0	0	5C
		Sub-Total	57 800	0	0	0	
Burkina Faso							
1.	Establishment of Feeding Tables for Feedstuffs that are Locally Available to Stockholders in Burkina Faso (2007)	BKF/5/006	75 870	0	0	0	5E
2.	Establishment of a Nuclear Medicine Centre (2007)	BKF/6/002	362 940	0	0	150 000	6B
3.	Contribution of Isotopic and Hydrochemical Methods to Develop an Integrated Management Scheme for the Water Resources of Western Basins (2007)	BKF/8/004	39 080	0	0	0	8M
		Sub-Total	477 890	0	0	150 000	
Cameroon							
1.	Establishing a Maintenance and Repair Capability at the National Centre for Nuclear Techniques Application (CATEN) (2007)	CMR/4/002	51 570	25 225	0	0	4G
2.	Creation of a Nuclear Analysis Laboratory in CATEN for Food Safety (2007)	CMR/5/014	76 170	27 600	0	0	5G
3.	Development of N and P fertilizer management for Sustainable Intensification of Agricultural Production in Cameroon (2007)	CMR/5/016	37 700	48 425	0	0	5B
		Sub-Total	165 440	101 250	0	0	

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
Central African Republic						
1. Development of New Varieties of Cassava through Mutation Breeding and Biotechnology Techniques (2007)	CAF/5/003	76 105	10 640	22 232	195 000	5C
2. Evaluation of Anti-malaria Drugs Using Molecular and Radioisotopic Techniques (2007)	CAF/6/002	164 767	74 000	0	5 000	6B
Sub-Total		240 872	84 640	22 232	200 000	
Chad						
1. Contribution of Isotope Hydrology to the Development, Assessment and Management of Water Resources in Chad (2007)	CHD/8/002	56 940	0	0	0	8M
Sub-Total		56 940	0	0	0	
Democratic Republic of the Congo						
1. Mutation Techniques for Improving Medicinal Plants with a Curative Effect on Human Diseases and Nutritional Plants (2007)	ZAI/5/016	23 635	62 225	0	0	5C
2. Use of Isotope Techniques in Relation with the Nitrogen Dynamic and the Quality of Organic Plant Material in Agricultural Soil Management (2007)	ZAI/5/017	42 535	80 225	0	0	5B
3. Upgrading the In Vivo Diagnostic Facility (2005)	ZAI/6/012	56 170	0	0	0	6B
4. Isotope-based Hydro-geochemical Studies of the Mont Amba Aquifer (2003)	ZAI/8/013	55 100	67 225	0	0	8M
Sub-Total		177 440	209 675	0	0	
Egypt						
1. Establishment of a Positron Emission Tomography-Computer Tomograph Facility for Clinical Practice (2007)	EGY/2/010	89 105	52 800	0	0	2G

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
2.	Management of the Storage of Liquid and Solid Waste from the ET-RR-1 Reactor at the Inshas Site (2007)	EGY/3/017	3 635	103 800	0	0	3H
3.	Development of Neutron Irradiation and Beam Line Facilities for Effective Use of the Research Reactor (2005)	EGY/4/048	71 235	95 875	143 400	117 800	4B
4.	Modernization and Improvement of the MGC-20 Cyclotron (2007)	EGY/4/052	82 370	164 300	274 525	0	4H
5.	Development of Natural Materials for Industrial Applications with the Aid of Ionizing Radiation (2007)	EGY/8/020	16 720	89 900	0	0	8H
6.	Use of Environmental Isotopes for the Study in Selected Sites of Water Pollution Due to Sewage Treatment Plants (2007)	EGY/8/021	63 835	0	0	0	8M
Sub-Total			326 900	506 675	417 925	117 800	
1.	Development of Neutron Irradiation and Beam Line Facilities for Effective Use of the Research Reactor (2005)	EGY/4/048 a/	0	0	460 000	0	4B
Sub-Total			0	0	460 000	0	
Eritrea							
1.	Improving Crop Productivity and Combating Desertification (2007)	ERI/5/004	102 170	111 630	57 470	0	5B
2.	Establishment of a Radiotherapy Centre (2007)	ERI/6/004	52 200	260 100	158 400	474 375	6C
Sub-Total			154 370	371 730	215 870	474 375	
1.	Establishment of a Radiotherapy Centre (2007)	ERI/6/004 a/	0	0	158 400	1 478 800	6C
Sub-Total			0	0	158 400	1 478 800	
Ethiopia							
1.	Monitoring and Control of Major Animal Diseases (2007)	ETH/5/014	39 235	0	0	0	5F
2.	Assessment of Groundwater Resources in Selected River Basins (2007)	ETH/8/010	112 600	89 600	48 525	0	8M
Sub-Total			151 835	89 600	48 525	0	
1.	Assessment of Groundwater Resources in Selected River Basins (2007)	ETH/8/010 a/	300 000	360 000	340 000	0	8M
Sub-Total			300 000	360 000	340 000	0	

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
Ghana							
1.	Establishment of the Postgraduate School of Nuclear and Allied Sciences (2007)	GHA/0/010	195 600	170 250	169 850	0	0I
2.	Establishment of an Accelerator Facility for Sustainable National Development (2007)	GHA/1/011	14 600	20 125	15 200	0	1M
3.	Upgrading and Expansion of Radiotherapy and Nuclear Medicine Services (2007)	GHA/6/015	107 100	79 200	151 300	0	6C
Sub-Total			317 300	269 575	336 350	0	
1.	Establishment of an Accelerator Facility for Sustainable National Development (2007)	GHA/1/011 a/	2 300 000	33 000	0	0	1M
2.	Upgrading and Expansion of Radiotherapy and Nuclear Medicine Services (2007)	GHA/6/015 a/	640 000	239 600	316 400	0	6C
Sub-Total			2 940 000	272 600	316 400	0	
Kenya							
1.	Assessment of Local Feed Resources for Enhancing Fertility and Productivity of Smallholder Dairy Cattle (2007)	KEN/5/027	58 850	71 525	50 250	0	5E
Sub-Total			58 850	71 525	50 250	0	
1.	Assessment of Local Feed Resources for Enhancing Fertility and Productivity of Smallholder Dairy Cattle (2007)	KEN/5/027 a/	0	6 000	0	0	5E
Sub-Total			0	6 000	0	0	
Libyan Arab Jamahiriya							
1.	Quality Management of Patient Care at the African Oncology Institute, Sabratha (2007)	LIB/6/005	100 800	0	0	0	6F
2.	Strengthening Capability in the Nuclear Medicine and Radiotherapy Services of Libyan Health Centres (2007)	LIB/6/006	97 100	262 200	227 175	0	6B
Sub-Total			197 900	262 200	227 175	0	

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
1.	Strengthening Capability in the Nuclear Medicine and Radiotherapy Services of Libyan Health Centres (2007)	LIB/6/006 a/	189 000	316 800	289 800	0	6B
Sub-Total			189 000	316 800	289 800	0	
Madagascar							
1.	Optimization of Phosphate Fertilization of Ferralsols (classically deeply weathered red or yellow soils found in humid east Madagascar) in the Highland Areas of Madagascar (2007)	MAG/5/015	80 200	0	0	0	5B
2.	Upgrading Tele- and Brachytherapy Techniques for Increased Treatment Capacity (2005)	MAG/6/003	85 000	0	0	0	6C
Sub-Total			165 200	0	0	0	
Mali							
1.	Upgrading of Nuclear Medicine Capacities (2005)	MLI/6/005	89 235	0	0	0	6B
Sub-Total			89 235	0	0	0	
Mauritania							
1.	Sustainable Energy Development -- Strengthening Capacity in Energy Planning (2007)	MAU/0/002	15 300	10 450	0	0	0E
Sub-Total			15 300	10 450	0	0	
Mauritius							
1.	Investigating The N Dynamics in the Crop-Soil System of a Multiple Cropping System to Optimize Fertilizer Use (2007)	MAR/5/017	61 170	0	0	0	5B
2.	Improvement of Banana and Tomato Varieties through the Use of Nuclear Techniques for Mutation Induction and Biotechnology (2007)	MAR/5/018	66 600	62 025	96 025	0	5C

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
3. Environmentally Safe Operation of Pressure Vessels Using NDT Techniques (2007)		MAR/8/008	47 535	0	0	0	8P
		Sub-Total	175 305	62 025	96 025	0	
Morocco							
1. Use of the Lateral Channels of the Triga Mark II Research Reactor, Phase III (2007)		MOR/4/018	171 270	98 550	106 025	0	4B
		Sub-Total	171 270	98 550	106 025	0	
Namibia							
1. Expansion of Nuclear Medicine Services (2005)		NAM/6/006	128 000	174 625	199 975	0	6B
2. Application of Isotope Techniques to Assess the Groundwater Quality, Recharge and Return Flow Mechanisms In The Platveld Aquifers, Central Namibia (2007)		NAM/8/005	46 808	0	0	0	8M
		Sub-Total	174 808	174 625	199 975	0	
1. Expansion of Nuclear Medicine Services (2005)		NAM/6/006 a/	0	79 200	165 000	0	6B
		Sub-Total	0	79 200	165 000	0	
Niger							
1. An Integrated Approach for Improvement of Livestock Productivity (2007)		NER/5/013	84 105	127 000	0	0	5E
		Sub-Total	84 105	127 000	0	0	
1. Establishing a Radiotherapy Facility (2005)		NER/6/005 a/	75 600	0	0	0	6C
		Sub-Total	75 600	0	0	0	

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
Nigeria						
1. Adding Value to Root and Tuber Crops through the use of Mutation Induction and Biotechnologies. (2007)	NIR/5/035	40 235	0	0	0	5C
2. Upgrading Radioimmunoassay Services for Thyroid Related Diseases at the University of Nigeria Teaching Hospital, Enugu Nigeria (2007)	NIR/6/018	90 840	66 000	0	0	6C
3. Introduction of Nuclear Medicine Techniques for Diagnosis of Cancer and Cardiac Diseases (2007)	NIR/6/020	256 540	94 400	0	0	6B
Sub-Total		387 615	160 400	0	0	
1. Introduction of Nuclear Medicine Techniques for Diagnosis of Cancer and Cardiac Diseases (2007)	NIR/6/020 a/	150 000	0	0	0	6B
Sub-Total		150 000	0	0	0	
Senegal						
1. Integrated Approach to Develop Sustainable Agriculture in Senegal (2007)	SEN/5/030	121 105	140 230	43 970	0	5C
Sub-Total		121 105	140 230	43 970	0	
Seychelles						
1. Feasibility of Integrating the Sterile Insect Technique to the Ongoing Area-wide Melon Fly Eradication Programme (2007)	SEY/5/003	38 575	0	0	0	5D
Sub-Total		38 575	0	0	0	
Sierra Leone						
1. Improving Sorghum Productivity through Nuclear and Biotechnology (2007)	SIL/5/009	81 378	45 000	0	0	5C
Sub-Total		81 378	45 000	0	0	

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
South Africa						
1. Upgrading of the Neutron Beam Line Facilities of the SAFARI-1 Research Reactor (2007)	SAF/4/003	13 570	41 400	0	0	4B
	Sub-Total	13 570	41 400	0	0	
1. Upgrading of the Neutron Beam Line Facilities of the SAFARI-1 Research Reactor (2007)	SAF/4/003 a/	0	70 000	0	0	4B
	Sub-Total	0	70 000	0	0	
Sudan						
1. Increasing Productivity of Selected Crops Using Nuclear Related Techniques (2007)	SUD/5/030	76 962	90 835	72 050	0	5B
2. Setting up a National Network for the Control of Livestock Diseases that affect Exports (2007)	SUD/5/031	77 805	56 080	25 325	0	5F
3. Supporting the Development of a Cancer Management Network (2007)	SUD/6/028	29 100	68 500	62 700	0	6C
4. Contribution of Isotopic and Hydrochemical Techniques to Assess Sources of Pollution in Two Shallow Groundwater Basins (2007)	SUD/8/010	54 432	19 560	0	0	8M
	Sub-Total	238 299	234 975	160 075	0	
1. Setting up a National Network for the Control of Livestock Diseases that affect Exports (2007)	SUD/5/031 a/	126 170	0	0	0	5F
2. Supporting the Development of a Cancer Management Network (2007)	SUD/6/028 a/	75 600	0	0	0	6C
	Sub-Total	201 770	0	0	0	
Tunisia						
1. Radiation-induced Mutations for Improvement of Cactus (2005)	TUN/5/023	81 989	0	0	0	5C
2. Development of Improved Varieties of Olive Tree Through Mutation Breeding and Biotechnology (2007)	TUN/5/024	57 900	85 475	66 350	0	5C
3. Strengthening Calibration and Radiation Protection Capabilities (2007)	TUN/6/011	63 605	0	0	0	6F
	Sub-Total	203 494	85 475	66 350	0	

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
1.	Development of Improved Varieties of Olive Tree Through Mutation Breeding and Biotechnology (2007)	TUN/5/024 a/	4 851	1 000	0	0	5C
Sub-Total			4 851	1 000	0	0	
United Republic of Tanzania							
1.	Nuclear Techniques for the Monitoring of the Food Quality in the United Republic Of Tanzania (2007)	URT/5/024	114 400	0	0	0	5G
2.	Establishment of Radiotherapy and Nuclear Medicine Services at the Bugando Medical Centre (2007)	URT/6/022	135 935	249 070	484 000	0	6B
3.	Molecular Genetic Analysis of Drug Resistant Isolates of M Tuberculosis in Tanzania. (2007)	URT/6/024	109 170	59 800	0	0	6L
4.	Assessment of Groundwater Resources in Usangu Catchment by Use of Isotope Techniques (2007)	URT/8/013	87 505	44 800	0	0	8M
Sub-Total			447 010	353 670	484 000	0	
1.	Establishment of Radiotherapy and Nuclear Medicine Services at the Bugando Medical Centre (2007)	URT/6/022 a/	330 000	0	0	0	6B
Sub-Total			330 000	0	0	0	
Zambia							
1.	Development of Feeding Strategies for Smallholder Dairy Animals in Njolwe and Palabana Dairy Tenant Schemes (2007)	ZAM/5/025	68 840	30 400	0	0	5E
2.	Improving the Quality of Cancer Treatment (2007)	ZAM/6/012	14 540	0	0	0	6C
Sub-Total			83 380	30 400	0	0	
Zimbabwe							
1.	Feasibility Study on the use of SIT to Eradicate Tsetse In Zimbabwe (2007)	ZIM/5/012	10 905	0	0	0	5D
2.	Development of Drought Tolerant and Disease Resistant Grain Legumes, Phase I (2007)	ZIM/5/013	56 170	3 800	0	0	5C

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
3. Comparison of the Effect of Different Replacement Diets on the Body Composition of HIV Negative Infants Aged 6-18 Months Born to HIV Positive Mothers (2007)	ZIM/6/013	52 535	7 600	0	0	6K
4. Rehabilitation of the Existing Radiotherapy Treatment Facilities In Zimbabwe (2007)	ZIM/6/014	120 205	0	0	0	6C
Sub-Total		239 815	11 400	0	0	

Regional Africa

1. Country and Regional Programme Review (2005)	RAF/0/025	312 580	457 100	507 300	0	0A
2. Sustaining the Regional Capability for the Utilization of Information and Communications Technologies for Human Resource Development (AFRA V-6) (2007)	RAF/0/026	191 810	206 350	321 460	259 800	0J
3. Consumer Safety and Trade Development through Competent Nuclear Testing and Metrology Laboratories (AFRA IV-13) (2007)	RAF/0/027	166 439	188 400	267 640	219 800	0Q
4. Strengthening Planning Capabilities for Sustainable Energy Development (AFRA VI-1) (2007)	RAF/0/028	210 430	140 600	217 640	0	0E
5. Human Resource Development and Nuclear Technology Support (2007)	RAF/0/029	741 200	498 500	1 307 374	1 206 200	0A
6. Pre-Project Assistance (2007)	RAF/0/030	218 100	430 350	327 550	0	0A
7. Strengthening National Facilities for the Maintenance and Repair of Medical and Scientific Instruments (AFRA IV-14) (2007)	RAF/4/021	205 608	171 280	277 876	0	4G
8. Field Evaluation and Dissemination of Improved Crop Varieties Using Mutation Breeding and Biotechnology Techniques (AFRA II-5) (2007)	RAF/5/056	172 166	166 280	284 464	0	5C
9. Diagnosing Diseases Using Clinical Nuclear Medicine (AFRA II-9) (2005)	RAF/6/030	148 798	210 600	0	0	6B
10. Medical Physics in Support of Cancer Management (AFRA II-8) (2005)	RAF/6/031	150 801	195 400	525 000	0	6F
11. Promoting Regional and National Quality Assurance Programmes for Medical Physics in Nuclear Medicine (AFRA II-7) (2005)	RAF/6/032	175 801	0	0	0	6B
12. Enhancing Accessibility and Quality in the Care of Cancer Patients (AFRA II-10) (2007)	RAF/6/035	205 430	155 600	337 640	0	6C
13. Evaluation of Vitamin A and Zinc Supplementation on Malarial Morbidity (2007)	RAF/6/036	251 505	191 560	132 800	0	6J
14. Coastal Zone Management, Phase II (AFRA II-11) (2007)	RAF/7/007	105 700	101 400	145 975	0	7M
15. Enhancing Regional Capability for the Assessment of Contamination in the Marine Environment (2007)	RAF/7/008	60 770	51 450	105 500	214 500	7M

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
16.	Radioisotope Applications for Troubleshooting and Optimizing Industrial Processes (AFRA IV-10) (2005)	RAF/8/040	130 500	175 400	220 885	0	8J
17.	Adding the Groundwater Dimension in the Nile River Basin (2007)	RAF/8/042	275 400	424 100	277 500	0	8M
18.	Promoting Self-reliance and Sustainability of Non-destructive Testing Facilities (AFRA IV-15) (2007)	RAF/8/043	120 600	142 850	230 640	0	8P
19.	Radiation Processing for Human Health (AFRA IV-16) (2007)	RAF/8/044	113 390	134 000	196 230	0	8H
20.	Use of Isotopes in Dam Safety and Dam Sustainability (AFRA IV-17) (2007)	RAF/8/045	75 400	118 215	87 640	211 500	8N
21.	Strengthening Radiological Protection of Patients and Medical Exposure Control (2005)	RAF/9/033	200 065	196 320	190 000	0	9J
22.	Education and Training in Support of Radiation Protection Infrastructure (2005)	RAF/9/035	387 960	397 980	470 400	0	9X
Sub-Total			4 620 453	4 753 735	6 431 514	2 111 800	
1.	Sustaining the Regional Capability for the Utilization of Information and Communications Technologies for Human Resource Development (AFRA V-6) (2007)	RAF/0/026 a/	222 240	261 350	382 920	329 600	0J
2.	Consumer Safety and Trade Development through Competent Nuclear Testing and Metrology Laboratories (AFRA IV-13) (2007)	RAF/0/027 a/	305 040	352 100	326 000	403 200	0Q
3.	Strengthening Planning Capabilities for Sustainable Energy Development (AFRA VI-1) (2007)	RAF/0/028 a/	258 400	342 300	375 280	0	0E
4.	Human Resource Development and Nuclear Technology Support (2007)	RAF/0/029 a/	550 000	620 000	679 800	735 375	0A
5.	Developing Air Pollution Monitoring in Urban Zones (AFRA IV-11) (2006)	RAF/4/019 a/	260 534	260 400	270 885	0	4F
6.	Strengthening National Facilities for the Maintenance and Repair of Medical and Scientific Instruments (AFRA IV-14) (2007)	RAF/4/021 a/	255 074	267 120	205 000	0	4G
7.	Field Evaluation and Dissemination of Improved Crop Varieties Using Mutation Breeding and Biotechnology Techniques (AFRA II-5) (2007)	RAF/5/056 a/	180 000	161 350	101 950	0	5C
8.	Diagnosing Diseases Using Clinical Nuclear Medicine (AFRA II-9) (2005)	RAF/6/030 a/	95 000	85 000	0	0	6B
9.	Enhancing Accessibility and Quality in the Care of Cancer Patients (AFRA II-10) (2007)	RAF/6/035 a/	997 240	891 200	817 640	0	6C
10.	Evaluation of Vitamin A and Zinc Supplementation on Malarial Morbidity (2007)	RAF/6/036 a/	113 400	0	0	0	6J
11.	Coastal Zone Management, Phase II (AFRA II-11) (2007)	RAF/7/007 a/	85 000	430 000	50 000	0	7M
12.	Adding the Groundwater Dimension in the Nile River Basin (2007)	RAF/8/042 a/	422 928	342 360	191 512	0	8M
13.	Promoting Self-reliance and Sustainability of Non-destructive Testing Facilities (AFRA IV-15) (2007)	RAF/8/043 a/	220 000	360 000	160 000	0	8P

Recipient and TC Project Title	TC Project Number		2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
14. Use of Isotopes in Dam Safety and Dam Sustainability (AFRA IV-17) (2007)	RAF/8/045	a/	580 860	566 800	445 280	0	8N
15. Isotope Hydrology Integration in the Water Sector (2007)	RAF/8/046	a/	154 860	172 340	0	0	8M
Sub-Total			4 700 576	5 112 320	4 006 267	1 468 175	
CORE FINANCING			10 361 724	8 693 555	9 023 511	3 201 275	
FOOTNOTE-a/ FINANCING			8 942 197	6 323 520	5 735 867	2 946 975	
AFRICA TOTAL			19 303 921	15 017 075	14 759 378	6 148 250	

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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Asia and the Pacific

Afghanistan

1.	Sustainable Increase in Crop Production in Afghanistan (2007)	AFG/5/003	16 781	95 000	0	0	5B
2.	Establishing a Nuclear Medicine Service at the Indira Gandhi Institute of Child Health (2007)	AFG/6/011	75 600	260 170	641 200	0	6B
3.	Establishment of a Radiation Oncology Centre in the Medical University of Kabul (2007)	AFG/6/012	243 372	1 072 200	1 423 700	43 200	6C
Sub-Total			335 753	1 427 370	2 064 900	43 200	

Iran, Islamic Republic of

1.	Strengthening Owner's Capabilities for Commissioning and Start-up of Bushehr Nuclear Power Plant (2005)	IRA/4/035	167 280	181 830	110 760	0	4C
2.	Regulatory Infrastructure for Licensing and Control of Nuclear and Radiation Facilities in Iran (2007)	IRA/9/018	157 080	90 750	42 600	0	9H
Sub-Total			324 360	272 580	153 360	0	
1.	Strengthening Owner's Capabilities for Commissioning and Start-up of Bushehr Nuclear Power Plant (2005)	IRA/4/035 a/	332 780	220 880	119 280	0	4C
2.	Regulatory Infrastructure for Licensing and Control of Nuclear and Radiation Facilities in Iran (2007)	IRA/9/018 a/	151 200	158 400	165 600	0	9H
Sub-Total			483 980	379 280	284 880	0	

Iraq

1.	Establishment of a Centralized Radiopharmacy Service to Improve Clinical Services for the Preparation and Quality Control of Labelled Preparations (Iodine-131) and Technetium-99m Kits (2007)	IRQ/2/009	141 645	95 975	236 950	0	2G
2.	Decommissioning and Remediation of the Former Nuclear Facilities and Sites in Iraq (2007)	IRQ/3/002	139 400	60 825	30 975	0	3K

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
3.	Optimization of Land Productivity through the Application of Nuclear Techniques and Combined Technologies (2007)	IRQ/5/017	110 740	30 400	67 740	0	5B
4.	Contributing to the Achievement of the Millennium Development Goals by Combating Undernutrition During Childhood (2007)	IRQ/6/014	32 447	19 795	15 650	0	6K
5.	Regain Control over Orphan Sources (2007)	IRQ/9/006	65 300	29 905	25 210	0	9T
Sub-Total			489 532	236 900	376 525	0	
1.	Decommissioning and Remediation of the Former Nuclear Facilities and Sites in Iraq (2007)	IRQ/3/002 a/	17 100	0	0	0	3K
Sub-Total			17 100	0	0	0	
Israel							
1.	Upgrading the National Secondary Standard Dosimetry Laboratory (SSDL) (2007)	ISR/6/017	17 250	105 225	5 325	0	6F
Sub-Total			17 250	105 225	5 325	0	
Jordan							
1.	Radiological Mapping of Jordan (Phase I) (2007)	JOR/7/004	81 720	6 270	0	0	7K
Sub-Total			81 720	6 270	0	0	
1.	Strengthening the Capacity for Area-wide Suppression of the Mediterranean Fruit Fly Using the Sterile Insect Technique (2005)	JOR/5/010 a/	70 000	70 000	0	0	5D
Sub-Total			70 000	70 000	0	0	
Kuwait							
1.	Measurement and Assessment of Radionuclide Concentrations in the Coastal Marine Environment (2005)	KUW/2/004	61 550	30 660	23 845	0	7L
2.	Assessment of Atmospheric Transport of Radionuclides (2007)	KUW/9/004	123 790	87 830	54 070	0	9L
Sub-Total			185 340	118 490	77 915	0	

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
1.	Measurement and Assessment of Radionuclide Concentrations in the Coastal Marine Environment (2005)	KUW/2/004 a/	20 113	0	0	0	7L
2.	Assessment of Atmospheric Transport of Radionuclides (2007)	KUW/9/004 a/	125 000	0	0	0	9L
Sub-Total			145 113	0	0	0	
Mongolia							
1.	Diagnosis and Surveillance of Transboundary Animal Diseases and Production of Diagnostic Reagents (2005)	MON/5/013	71 500	0	89 000	0	5F
2.	Further Upgrading of the Quality Assurance Programme and Radiotherapy Services in Mongolia (2007)	MON/6/012	360 347	0	0	0	6F
Sub-Total			431 847	0	89 000	0	
1.	Further Upgrading of the Quality Assurance Programme and Radiotherapy Services in Mongolia (2007)	MON/6/012 a/	50 000	0	0	0	6F
Sub-Total			50 000	0	0	0	
Myanmar							
1.	Development of Rice Varieties with Improved Iron Content/Bioavailability through Nuclear Techniques (2007)	MYA/5/016	79 300	52 400	0	0	5C
2.	Improvement of Quality Assurance in Brachytherapy for Cervical Cancer (2007)	MYA/6/025	132 920	0	0	0	6C
Sub-Total			212 220	52 400	0	0	
Pakistan							
1.	Strengthening the Infrastructure for the Management of Radioactive Waste (2007)	PAK/3/011	179 554	0	0	0	3H
2.	Development of Capabilities in Automatic Ultrasonic Testing and Material Corrosion Testing for Assessment of Structural Integrity (2007)	PAK/4/046	247 374	0	0	0	4U

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
3. Further Improvement of Regulatory Performance for the Pakistan Nuclear Regulatory Authority (2005)	PAK/9/028	210 394	192 060	48 300	0	9H
	Sub-Total	637 322	192 060	48 300	0	
Qatar						
1. Establishing a Quality Assurance and Training Lab for Non-Destructive Testing (2007)	QAT/8/002	103 712	0	0	0	8P
	Sub-Total	103 712	0	0	0	
Saudi Arabia						
1. National Secondary Standard Laboratory for Calibration of Radiation Dosimeters (2007)	SAU/6/004	30 300	29 725	9 585	0	6F
2. Radiological Monitoring of the Marine Environment (2007)	SAU/7/002	34 100	48 550	14 910	0	7M
	Sub-Total	64 400	78 275	24 495	0	
Sri Lanka						
1. Technical Support for the Establishment and Operation of a Multi-Purpose Gamma Irradiation Facility (2007)	SRL/8/019	207 715	137 400	0	0	8H
	Sub-Total	207 715	137 400	0	0	
Thailand						
1. Use of Isotope Hydrology for Groundwater Resources Management (2007)	THA/8/015	186 060	37 120	0	0	8M
	Sub-Total	186 060	37 120	0	0	

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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United Arab Emirates

1. Environmental Monitoring Programme: Radioecology of the Coastal Environment (2007)	UAE/7/002	95 840	35 119	83 931	0	7M
Sub-Total		95 840	35 119	83 931	0	

Yemen

1. Support for the Establishment of a Radiation Oncology Centre in the City of Aden (2007)	YEM/6/006	139 000	507 800	160 000	0	6C
2. Support for the Establishment of a Nuclear Medicine Centre in Aden (2007)	YEM/6/007	32 229	0	0	0	6B
Sub-Total		171 229	507 800	160 000	0	

Regional Asia and the Pacific

1. Supporting Web-Based Nuclear Education and Training through Regional Networking (2007)	RAS/0/047	132 221	105 300	0	0	0I
2. Good Radiopharmacy Practice and Good Manufacturing Practice (2007)	RAS/2/013	160 000	40 000	0	0	2G
3. Strengthening Infrastructure for Radioactive Waste Management (2007)	RAS/3/009	86 185	0	0	0	3H
4. Improvement of Crop Quality and Stress Tolerance for Sustainable Crop Production Using Mutation Techniques and Biotechnology (RCA) (2007)	RAS/5/045	80 000	35 000	35 000	0	5C
5. Novel Applications of Food Irradiation Technology for Improving Socioeconomic Development (RCA) (2007)	RAS/5/046	100 000	49 000	40 000	0	5H
6. Mutation Induction and Supportive Breeding and Biotechnologies for Improving Crop Productivity (ARASIA) (2007)	RAS/5/048	218 505	198 400	166 700	0	5C
7. Strengthening Medical Physics through Education and Training (RCA) (2003)	RAS/6/038	312 200	264 600	210 820	135 000	6F
8. Application of High-Precision 3D Radiotherapy for Predominant Cancers in the RCA region (RCA) (2007)	RAS/6/048	37 500	0	0	0	6C
9. Strengthening Clinical Applications of PET in RCA Member States (RCA) (2007)	RAS/6/049	125 267	77 460	40 000	0	6B

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
10.	Characterization and Source Identification of Particulate Air Pollution in the Asian Region (RCA) (2007)	RAS/7/015	257 609	61 280	40 000	0	7L
11.	Establishing a Benchmark for Assessing the Radiological Impact of Nuclear Power Activities on the Marine Environment in the Asia-Pacific region (RCA) (2007)	RAS/7/016	198 390	62 800	40 000	0	7M
12.	Upgrading Regional Capability to Assess Marine Contaminants in the ARASIA Member States (2007)	RAS/7/018	101 810	0	0	0	7M
13.	Sustainability of Regional Radiation Protection Infrastructure (RCA) (2007)	RAS/9/042	195 000	160 000	40 000	0	9C
Sub-Total			2 004 687	1 053 840	612 520	135 000	
1.	Improvement of Crop Quality and Stress Tolerance for Sustainable Crop Production Using Mutation Techniques and Biotechnology (RCA) (2007)	RAS/5/045 a/	60 000	0	0	0	5C
2.	Application of Nuclear Techniques to the Management of Hazardous Algal Blooms (2007)	RAS/7/017 a/	97 500	101 500	0	0	7F
3.	Education and Training in Support of Radiation Protection Infrastructure (2007)	RAS/9/050 a/	537 270	0	0	0	9X
Sub-Total			694 770	101 500	0	0	
CORE FINANCING			5 548 987	4 260 849	3 696 271	178 200	
FOOTNOTE-a/ FINANCING			1 460 963	550 780	284 880		
ASIA AND THE PACIFIC TOTAL			7 009 950	4 811 629	3 981 151	178 200	

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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Europe

Bosnia and Herzegovina

1.	Upgrading of Radionuclide Therapy in Bosnia and Herzegovina (2007)	BOH/6/010	220 555	377 600	157 365	0	6B
2.	Indoor and Outdoor Monitoring of Naturally Occurring Radioactive Material (2007)	BOH/7/002	220 100	0	0	0	7F
3.	Establishment of a National Regulatory Control System (2005)	BOH/9/002	100 170	0	0	0	9H
Sub-Total			540 825	377 600	157 365	0	
1.	Upgrading of Radionuclide Therapy in Bosnia and Herzegovina (2007)	BOH/6/010 a/	100 000	0	0	0	6B
Sub-Total			100 000	0	0	0	

Cyprus

1.	Upgrading Radioactivity Monitoring Capabilities (2007)	CYP/8/005	47 600	0	0	0	8O
Sub-Total			47 600	0	0	0	

Estonia

1.	Updating of External Beam Radiotherapy at the University Hospital of Tartu, Estonia (2007)	EST/6/007 a/	0	1 930 000	0	0	6C
Sub-Total			0	1 930 000	0	0	

Kazakhstan

1.	Nuclear Knowledge Management and Preservation in Kazakhstan (2007)	KAZ/0/003	86 212	72 675	0	0	0I
Sub-Total			86 212	72 675	0	0	

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
1.	Nuclear Knowledge Management and Preservation in Kazakhstan (2007)	KAZ/0/003 a/	90 000	97 025	0	0	0I
	Sub-Total		90 000	97 025	0	0	
Lithuania							
1.	Enhancing capabilities in VATESI and other institutions in the licensing of a new NPP (2008)	LIT/9/009	193 196	189 180	182 970	0	9H
	Sub-Total		193 196	189 180	182 970	0	
1.	Enhancing capabilities in VATESI and other institutions in the licensing of a new NPP (2008)	LIT/9/009 a/	0	50 000	0	0	9H
	Sub-Total		0	50 000	0	0	
Poland							
1.	Establishment of a National Quality Assurance Programme in Radiotherapy in Poland (2007)	POL/6/008	26 285	60 000	39 180	0	6C
	Sub-Total		26 285	60 000	39 180	0	
Republic of Moldova							
1.	Establishment of a National Radiation Processing Centre (2007)	MOL/8/005	470 810	0	0	0	8H
	Sub-Total		470 810	0	0	0	
Russian Federation							
1.	Strengthening Emergency Preparedness and Response at Nuclear Research Facilities (2005)	RUS/9/005	67 340	0	0	0	9O
	Sub-Total		67 340	0	0	0	

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
Serbia						
1. Safe Removal of Spent Fuel of the Vinca RA Research Reactor (2007)	SRB/4/002	166 000	124 400	0	0	4B
	Sub-Total	166 000	124 400	0	0	
1. Safe Removal of Spent Fuel of the Vinca RA Research Reactor (2007)	SRB/4/002 a/	3 250 000	3 000 000	0	0	4B
	Sub-Total	3 250 000	3 000 000	0	0	
The Former Yugoslav Republic of Macedonia						
1. Upgrading Radiotherapy Facilities and Introducing New Radiotherapy Techniques in the Former Yugoslav Republic of Macedonia (2007)	MAK/6/010 a/	8 750	1 006 600	13 800	0	6F
	Sub-Total	8 750	1 006 600	13 800	0	
Ukraine						
1. Comprehensive Safety Assessment of Radioactive Waste in Ukraine (Classification, Characterization, Environmental Assessment) (2007)	UKR/9/026	29 200	0	0	0	9E
	Sub-Total	29 200	0	0	0	
Regional Europe						
1. Radiological Support for the Rehabilitation of the Areas Affected by the Chernobyl Nuclear Power Plant Accident (2007)	RER/3/004	196 490	145 200	0	0	3L
2. Evaluation of Natural and Mutant Genetic Diversity in Cereals Using Nuclear and Molecular Techniques (2007)	RER/5/013	138 655	95 500	187 650	0	5C
3. Strengthening Radiological Protection of Patients and Medical Exposure Control (2007)	RER/9/093	335 040	205 100	140 000	0	9J
4. Upgrading National Capabilities in Controlling Public Exposure (2007)	RER/9/094	396 340	373 050	100 000	0	9K
	Sub-Total	1 066 525	818 850	427 650	0	

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
1.	Radiological Support for the Rehabilitation of the Areas Affected by the Chernobyl Nuclear Power Plant Accident (2007)	RER/3/004 a/	200 000	200 000	0	0	3L
2.	Evaluation of Natural and Mutant Genetic Diversity in Cereals Using Nuclear and Molecular Techniques (2007)	RER/5/013 a/	100 000	0	0	0	5C
Sub-Total			300 000	200 000	0	0	
CORE FINANCING			2 693 993	1 642 705	807 165		
FOOTNOTE-a/ FINANCING			3 748 750	6 283 625	13 800		
EUROPE TOTAL			6 442 743	7 926 330	820 965		

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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Latin America

Argentina

1.	Plant Life Management Programme for Critical Systems, Structures and Components of Embalse Nuclear Power Plant (2007)	ARG/4/091	35 600	0	0	0	4T
Sub-Total			35 600	0	0	0	
1.	Completing the Atucha II Nuclear Power Plant (2006)	ARG/4/090 a/	55 000	0	0	0	4C
Sub-Total			55 000	0	0	0	

Belize

1.	Human Resource Development and Nuclear Technology Support (2007)	BZE/0/002	8 780	0	0	0	0A
2.	Establishment of a Pilot Fruit Fly Free Area Using an Integrated Approach that includes the Area Wide Sterile Insect Technique (2007)	BZE/5/002	23 029	0	0	0	5D
Sub-Total			31 809	0	0	0	

Bolivia

1.	Upgrading the Cancer Treatment Programme in Bolivia (2007)	BOL/6/026	8 000	0	0	0	6C
Sub-Total			8 000	0	0	0	

Chile

1.	Enhancement of the Regulatory Infrastructure for Nuclear and Radiological Safety (2007)	CHI/9/020	160 000	0	0	0	9H
Sub-Total			160 000	0	0	0	

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
Ecuador						
1. Inducing Mutations in Agriculture with the Aid of Radiation (2007)	ECU/5/023	63 900	13 800	0	0	5C
2. Characterization of Coastal Aquifers on the Santa Elena Peninsula (2007)	ECU/8/026	61 170	21 050	0	0	8M
3. Radioisotope Applications in the Petroleum Production and Processing Industries (2007)	ECU/8/027	147 450	0	0	0	8J
Sub-Total		272 520	34 850	0	0	
1. Improving Productivity of the African Palm through Better Fertilization and Water Management Practices (2007)	ECU/5/024 a/	14 905	0	0	0	5B
Sub-Total		14 905	0	0	0	
El Salvador						
1. Determination of Vitamin A Deficiency in Women and Children (2007)	ELS/6/016	98 000	0	0	0	6J
Sub-Total		98 000	0	0	0	
Guatemala						
1. Reference Laboratory for Research in Chronic, Nutrition-Related Diseases in Guatemala and Central America (2007)	GUA/6/016	100 000	0	0	0	6K
Sub-Total		100 000	0	0	0	
Haiti						
1. Strengthening the Management and Development of Energy Sources in Haiti (2007)	HAI/0/004	85 300	0	0	0	0I
2. Reinforcement of a Programme to Foster the Exclusive Breastfeeding of Infants in Haiti (2007)	HAI/6/003	167 320	0	0	0	6K
Sub-Total		252 620	0	0	0	

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
1. Strengthening the Management and Development of Energy Sources in Haiti (2007)		HAI/0/004 a/	105 000	0	0	0	0I
		Sub-Total	105 000	0	0	0	
Honduras							
1. Human Resource Development for Capacity Building in the Health and Environment Sectors (2005)		HON/0/002	25 780	0	0	0	0N
		Sub-Total	25 780	0	0	0	
Jamaica							
1. Plant Breeding and Diagnostics Technologies (2007)		JAM/5/010	167 400	0	0	0	5C
2. Non-Exercise Activity Thermogenesis and Weight Gain in Urban and Rural Adults in Jamaica, a Low-Middle Income Country in Epidemiological Transition (2007)		JAM/6/009	90 000	0	0	0	6J
3. Nutritional Status and Exposure to Toxic Elements of Jamaican Children (2007)		JAM/6/010	36 000	0	0	0	6I
		Sub-Total	293 400	0	0	0	
Mexico							
1. Extension of the Operating Licence for the Reactors of the Laguna Verde Nuclear Power Plant (2007)		MEX/4/054	50 000	0	0	0	4C
2. Isotope and Hydrogeochemical Characterization of Drinking Water Wells that Supply the León Valley, Guanajuato (2007)		MEX/8/025	60 000	0	0	0	8M
		Sub-Total	110 000	0	0	0	

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
Panama						
1. Human Resource Development and Nuclear Technology Support (2007)	PAN/0/005	53 750	0	0	0	0A
2. Capacity Building for Suppression of Fruit Flies of the Genus Anastrepha from the Azuero Peninsula using an Area-Wide Pest Management Approach (2007)	PAN/5/016	21 900	0	0	0	5D
Sub-Total		75 650	0	0	0	
Uruguay						
1. Installation of a Secondary Standards Laboratory for the Calibration of Radiotherapy Equipment (2007)	URU/6/028	70 000	0	0	0	6F
Sub-Total		70 000	0	0	0	
Venezuela						
1. Development of a National Programme for Integral Oncology Care -- Nuclear Medicine and Radiopharmacy (2007)	VEN/6/013	75 000	0	0	0	6B
Sub-Total		75 000	0	0	0	
Regional Latin America						
1. Improved Regional Management of Water Bodies that are Contaminated with Metals (ARCAL LXXXVIII) (2007)	RLA/1/010	57 500	0	0	0	1L
2. Correlation Studies between Atmospheric Deposition and Sanitary Problems in Latin America: Nuclear Analytical Techniques and the Biomonitoring of Atmospheric Pollution (ARCAL LXXXIX) (2007)	RLA/2/013	196 870	0	0	0	2C
3. Cracking and Structural Integrity of Components in Light Water Reactors (2007)	RLA/4/021	160 675	0	0	0	4T

Recipient and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
4.	Integrated Control of Fascioliasis in Latin America (in Support of National Programmes) (2007)	RLA/5/049	220 395	0	0	0	5F
5.	Implementation and Evaluation of Intervention Programmes to Prevent and Control Childhood Obesity in Latin America (ARCAL XCI) (2007)	RLA/6/059	85 440	0	0	0	6K
6.	Reducing the Burden of Stunting in Caribbean and Latin America Countries (2007)	RLA/6/060	66 500	0	0	0	6J
7.	Use of Nuclear Techniques to Address the Management Problems of Coastal Zones in the Caribbean Region (2007)	RLA/7/012	346 200	240 600	0	0	7M
8.	Application of Isotopic Tools for Integrated Management of Coastal Aquifers (ARCAL XCII) (2007)	RLA/8/041	74 920	0	0	0	8M
9.	Application of Nuclear Technology for the Optimization of Industrial Processes and for Environmental Protection (ARCAL XCIII) (2007)	RLA/8/042	61 265	0	0	0	8J
10.	Use of Nuclear Analysis Techniques and Development of Databases for Characterization and Preservation of National Cultural Heritage Objects (ARCAL XCIV) (2007)	RLA/8/043	49 000	0	0	0	8O
11.	Enhancing operational safety in nuclear installations (2008)	RLA/9/060	160 000	127 000	0	0	9N
Sub-Total			1 478 765	367 600	0	0	
1.	Use of Nuclear Techniques to Address the Management Problems of Coastal Zones in the Caribbean Region (2007)	RLA/7/012 a/	50 000	80 000	0	0	7M
Sub-Total			50 000	80 000	0	0	
CORE FINANCING			3 087 144	402 450			
FOOTNOTE-a/ FINANCING			224 905	80 000			
LATIN AMERICA TOTAL			3 312 049	482 450			

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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Interregional

Interregional

1.	Increasing the Use of the Expertise and Training Capacities Available in Member State Resource Institutions (2007)	INT/0/082	92 840	0	0	0	0N
2.	Support for Human Capacity Building in the Utilization and Operation of the Synchrotron-Light for Experimental Science and Applications for the Middle East (SESAME) (2007)	INT/1/055	193 619	160 925	173 550	0	1M
Sub-Total			286 459	160 925	173 550	0	

CORE FINANCING	286 459	160 925	173 550
FOOTNOTE-a/ FINANCING			
INTERREGIONAL TOTAL	286 459	160 925	173 550

Recipient and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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CORE FINANCING		21 978 307	15 160 484	13 700 497	3 379 475	
FOOTNOTE-a/ FINANCING		14 376 815	13 237 925	6 034 547	2 946 975	
GRAND TOTAL		36 355 122	28 398 409	19 735 044	6 326 450	

(*) New Project (a/) Footnote-a/ (FOA) TC Field of Activity Code

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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0A General Atomic Energy Development

1.	Human Resource Development and Nuclear Technology Support (2007)	BZE/0/002	8 780	0	0	0	0A
2.	Human Resource Development and Nuclear Technology Support (2007)	PAN/0/005	53 750	0	0	0	0A
3.	Country and Regional Programme Review (2005)	RAF/0/025	312 580	457 100	507 300	0	0A
4.	Human Resource Development and Nuclear Technology Support (2007)	RAF/0/029	741 200	498 500	1 307 374	1 206 200	0A
5.	Pre-Project Assistance (2007)	RAF/0/030	218 100	430 350	327 550	0	0A
Sub-Total			1 334 410	1 385 950	2 142 224	1 206 200	
1.	Human Resource Development and Nuclear Technology Support (2007)	RAF/0/029 a/	550 000	620 000	679 800	735 375	0A
Sub-Total			550 000	620 000	679 800	735 375	

0E Sustainable Energy Development

1.	Sustainable Energy Development and Preparation for Nuclear Power (2007)	ALG/0/013	45 440	36 100	117 250	147 300	0E
2.	Sustainable Energy Development -- Strengthening Capacity in Energy Planning (2007)	MAU/0/002	15 300	10 450	0	0	0E
3.	Strengthening Planning Capabilities for Sustainable Energy Development (AFRA VI-1) (2007)	RAF/0/028	210 430	140 600	217 640	0	0E
Sub-Total			271 170	187 150	334 890	147 300	
1.	Strengthening Planning Capabilities for Sustainable Energy Development (AFRA VI-1) (2007)	RAF/0/028 a/	258 400	342 300	375 280	0	0E
Sub-Total			258 400	342 300	375 280	0	

0I Education, Training and Nuclear Knowledge Management

1.	Establishment of the Postgraduate School of Nuclear and Allied Sciences (2007)	GHA/0/010	195 600	170 250	169 850	0	0I
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Field of Activity and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
2.	Strengthening the Management and Development of Energy Sources in Haiti (2007)	HAI/0/004	85 300	0	0	0	0I
3.	Nuclear Knowledge Management and Preservation in Kazakhstan (2007)	KAZ/0/003	86 212	72 675	0	0	0I
4.	Supporting Web-Based Nuclear Education and Training through Regional Networking (2007)	RAS/0/047	132 221	105 300	0	0	0I
Sub-Total			499 333	348 225	169 850	0	
1.	Strengthening the Management and Development of Energy Sources in Haiti (2007)	HAI/0/004 a/	105 000	0	0	0	0I
2.	Nuclear Knowledge Management and Preservation in Kazakhstan (2007)	KAZ/0/003 a/	90 000	97 025	0	0	0I
Sub-Total			195 000	97 025	0	0	
0J Information Technology and Data Processing							
1.	Sustaining the Regional Capability for the Utilization of Information and Communications Technologies for Human Resource Development (AFRA V-6) (2007)	RAF/0/026	191 810	206 350	321 460	259 800	0J
Sub-Total			191 810	206 350	321 460	259 800	
1.	Sustaining the Regional Capability for the Utilization of Information and Communications Technologies for Human Resource Development (AFRA V-6) (2007)	RAF/0/026 a/	222 240	261 350	382 920	329 600	0J
Sub-Total			222 240	261 350	382 920	329 600	
0N Strengthening Institutional Capacity for Sustainability and Self-Reliance							
1.	Human Resource Development for Capacity Building in the Health and Environment Sectors (2005)	HON/0/002	25 780	0	0	0	0N
2.	Increasing the Use of the Expertise and Training Capacities Available in Member State Resource Institutions (2007)	INT/0/082	92 840	0	0	0	0N
Sub-Total			118 620	0	0	0	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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0Q Quality Management (QM) in Nuclear Applications

1. Consumer Safety and Trade Development through Competent Nuclear Testing and Metrology Laboratories (AFRA IV-13) (2007)	RAF/0/027	166 439	188 400	267 640	219 800	0Q
Sub-Total		166 439	188 400	267 640	219 800	
1. Consumer Safety and Trade Development through Competent Nuclear Testing and Metrology Laboratories (AFRA IV-13) (2007)	RAF/0/027 a/	305 040	352 100	326 000	403 200	0Q
Sub-Total		305 040	352 100	326 000	403 200	

1L Analytical Nuclear Physics

1. Improved Regional Management of Water Bodies that are Contaminated with Metals (ARCAL LXXXVIII) (2007)	RLA/1/010	57 500	0	0	0	1L
Sub-Total		57 500	0	0	0	

1M Accelerators – Applications in Physics

1. Establishment of an Accelerator Facility for Sustainable National Development (2007)	GHA/1/011	14 600	20 125	15 200	0	1M
2. Support for Human Capacity Building in the Utilization and Operation of the Synchrotron-Light for Experimental Science and Applications for the Middle East (SESAME) (2007)	INT/1/055	193 619	160 925	173 550	0	1M
Sub-Total		208 219	181 050	188 750	0	
1. Establishment of an Accelerator Facility for Sustainable National Development (2007)	GHA/1/011 a/	2 300 000	33 000	0	0	1M
Sub-Total		2 300 000	33 000	0	0	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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2C Radioanalytical Techniques

1. Correlation Studies between Atmospheric Deposition and Sanitary Problems in Latin America: Nuclear Analytical Techniques and the Biomonitoring of Atmospheric Pollution (ARCAL LXXXIX) (2007)	RLA/2/013	196 870	0	0	0	2C
Sub-Total		196 870	0	0	0	

2G Radiopharmaceuticals

1. Production and Utilization of Short-lived Radioisotopes for Nuclear Medicine including PET (2007)	ALG/2/007	36 935	58 600	0	0	2G
2. Establishment of a Positron Emission Tomography-Computer Tomograph Facility for Clinical Practice (2007)	EGY/2/010	89 105	52 800	0	0	2G
3. Establishment of a Centralized Radiopharmacy Service to Improve Clinical Services for the Preparation and Quality Control of Labelled Preparations (Iodine-131) and Technetium-99m Kits (2007)	IRQ/2/009	141 645	95 975	236 950	0	2G
4. Good Radiopharmacy Practice and Good Manufacturing Practice (2007)	RAS/2/013	160 000	40 000	0	0	2G
Sub-Total		427 685	247 375	236 950	0	
1. Production and Utilization of Short-lived Radioisotopes for Nuclear Medicine including PET (2007)	ALG/2/007 a/	50 400	105 600	0	0	2G
Sub-Total		50 400	105 600	0	0	

3H Radioactive Waste Management Technology and Infrastructure

1. Management of the Storage of Liquid and Solid Waste from the ET-RR-1 Reactor at the Inshas Site (2007)	EGY/3/017	3 635	103 800	0	0	3H
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Field of Activity and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
2.	Strengthening the Infrastructure for the Management of Radioactive Waste (2007)	PAK/3/011	179 554	0	0	0	3H
3.	Strengthening Infrastructure for Radioactive Waste Management (2007)	RAS/3/009	86 185	0	0	0	3H
Sub-Total			269 374	103 800	0	0	
3K Decommissioning of Nuclear Facilities							
1.	Decommissioning and Remediation of the Former Nuclear Facilities and Sites in Iraq (2007)	IRQ/3/002	139 400	60 825	30 975	0	3K
Sub-Total			139 400	60 825	30 975	0	
1.	Decommissioning and Remediation of the Former Nuclear Facilities and Sites in Iraq (2007)	IRQ/3/002 a/	17 100	0	0	0	3K
Sub-Total			17 100	0	0	0	
3L Environmental Remediation							
1.	Radiological Support for the Rehabilitation of the Areas Affected by the Chernobyl Nuclear Power Plant Accident (2007)	RER/3/004	196 490	145 200	0	0	3L
Sub-Total			196 490	145 200	0	0	
1.	Radiological Support for the Rehabilitation of the Areas Affected by the Chernobyl Nuclear Power Plant Accident (2007)	RER/3/004 a/	200 000	200 000	0	0	3L
Sub-Total			200 000	200 000	0	0	
4B Research Reactors							
1.	Development of Neutron Irradiation and Beam Line Facilities for Effective Use of the Research Reactor (2005)	EGY/4/048	71 235	95 875	143 400	117 800	4B

Field of Activity and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
2.	Use of the Lateral Channels of the Triga Mark II Research Reactor, Phase III (2007)	MOR/4/018	171 270	98 550	106 025	0	4B
3.	Upgrading of the Neutron Beam Line Facilities of the SAFARI-1 Research Reactor (2007)	SAF/4/003	13 570	41 400	0	0	4B
4.	Safe Removal of Spent Fuel of the Vinca RA Research Reactor (2007)	SRB/4/002	166 000	124 400	0	0	4B
Sub-Total			422 075	360 225	249 425	117 800	
1.	Development of Neutron Irradiation and Beam Line Facilities for Effective Use of the Research Reactor (2005)	EGY/4/048 a/	0	0	460 000	0	4B
2.	Upgrading of the Neutron Beam Line Facilities of the SAFARI-1 Research Reactor (2007)	SAF/4/003 a/	0	70 000	0	0	4B
3.	Safe Removal of Spent Fuel of the Vinca RA Research Reactor (2007)	SRB/4/002 a/	3 250 000	3 000 000	0	0	4B
Sub-Total			3 250 000	3 070 000	460 000	0	
4C Power Reactors							
1.	Strengthening Owner's Capabilities for Commissioning and Start-up of Bushehr Nuclear Power Plant (2005)	IRA/4/035	167 280	181 830	110 760	0	4C
2.	Extension of the Operating Licence for the Reactors of the Laguna Verde Nuclear Power Plant (2007)	MEX/4/054	50 000	0	0	0	4C
Sub-Total			217 280	181 830	110 760	0	
1.	Completing the Atucha II Nuclear Power Plant (2006)	ARG/4/090 a/	55 000	0	0	0	4C
2.	Strengthening Owner's Capabilities for Commissioning and Start-up of Bushehr Nuclear Power Plant (2005)	IRA/4/035 a/	332 780	220 880	119 280	0	4C
Sub-Total			387 780	220 880	119 280	0	
4F Nuclear Chemical Engineering							
1.	Developing Air Pollution Monitoring in Urban Zones(AFRA IV-11) (2006)	RAF/4/019 a/	260 534	260 400	270 885	0	4F
Sub-Total			260 534	260 400	270 885	0	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
4G Nuclear Instrumentation, Electronics and Reactor Control						
1. Establishing a Maintenance and Repair Capability at the National Centre for Nuclear Techniques Application (CATEN) (2007)	CMR/4/002	51 570	25 225	0	0	4G
2. Strengthening National Facilities for the Maintenance and Repair of Medical and Scientific Instruments (AFRA IV-14) (2007)	RAF/4/021	205 608	171 280	277 876	0	4G
Sub-Total		257 178	196 505	277 876	0	
1. Strengthening National Facilities for the Maintenance and Repair of Medical and Scientific Instruments (AFRA IV-14) (2007)	RAF/4/021 a/	255 074	267 120	205 000	0	4G
Sub-Total		255 074	267 120	205 000	0	
4H Production of Isotopes						
1. Modernization and Improvement of the MGC-20 Cyclotron (2007)	EGY/4/052	82 370	164 300	274 525	0	4H
Sub-Total		82 370	164 300	274 525	0	
4T Nuclear Power Plant Life Cycle Management						
1. Plant Life Management Programme for Critical Systems, Structures and Components of Embalse Nuclear Power Plant (2007)	ARG/4/091	35 600	0	0	0	4T
2. Cracking and Structural Integrity of Components in Light Water Reactors (2007)	RLA/4/021	160 675	0	0	0	4T
Sub-Total		196 275	0	0	0	
4U Nuclear Power Plant Operational Support						
1. Development of Capabilities in Automatic Ultrasonic Testing and Material Corrosion Testing for Assessment of Structural Integrity (2007)	PAK/4/046	247 374	0	0	0	4U
Sub-Total		247 374	0	0	0	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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5B Soil and Water Management and Crop Nutrition

1.	Sustainable Increase in Crop Production in Afghanistan (2007)	AFG/5/003	16 781	95 000	0	0	5B
2.	Nuclear Techniques for Sustainable Use of Saline Groundwater and Wastelands for Plant Production (2007)	ALG/5/022	56 505	49 600	0	0	5B
3.	Effect of Biofertilizer and Inorganic Fertilizer Uses on the Growth and Yield of Maize and Bean in Ferralitic Soils of Huambo. (2007)	ANG/5/005	58 900	0	0	0	5B
4.	Development of N and P fertilizer management for Sustainable Intensification of Agricultural Production in Cameroon (2007)	CMR/5/016	37 700	48 425	0	0	5B
5.	Improving Crop Productivity and Combating Desertification (2007)	ERI/5/004	102 170	111 630	57 470	0	5B
6.	Optimization of Land Productivity through the Application of Nuclear Techniques and Combined Technologies (2007)	IRQ/5/017	110 740	30 400	67 740	0	5B
7.	Optimization of Phosphate Fertilization of Ferralsols (classically deeply weathered red or yellow soils found in humid east Madagascar) in the Highland Areas of Madagascar (2007)	MAG/5/015	80 200	0	0	0	5B
8.	Investigating The N Dynamics in the Crop-Soil System of a Multiple Cropping System to Optimize Fertilizer Use (2007)	MAR/5/017	61 170	0	0	0	5B
9.	Increasing Productivity of Selected Crops Using Nuclear Related Techniques (2007)	SUD/5/030	76 962	90 835	72 050	0	5B
10.	Use of Isotope Techniques in Relation with the Nitrogen Dynamic and the Quality of Organic Plant Material in Agricultural Soil Management (2007)	ZAI/5/017	42 535	80 225	0	0	5B
Sub-Total			643 663	506 115	197 260	0	
1.	Improving Productivity of the African Palm through Better Fertilization and Water Management Practices (2007)	ECU/5/024 a/	14 905	0	0	0	5B
Sub-Total			14 905	0	0	0	

5C Plant Breeding and Genetics

1.	Improvement of Food Crops through Mutation Breeding and Biotechnology (2007)	ANG/5/006	47 850	36 400	0	0	5C
2.	Mutational Improvement of Groundnut Varieties (2007)	BOT/5/003	57 800	0	0	0	5C
3.	Development of New Varieties of Cassava through Mutation Breeding and	CAF/5/003	76 105	10 640	22 232	195 000	5C

Field of Activity and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
Biotechnology Techniques (2007)							
4.	Inducing Mutations in Agriculture with the Aid of Radiation (2007)	ECU/5/023	63 900	13 800	0	0	5C
5.	Plant Breeding and Diagnostics Technologies (2007)	JAM/5/010	167 400	0	0	0	5C
6.	Improvement of Banana and Tomato Varieties through the Use of Nuclear Techniques for Mutation Induction and Biotechnology (2007)	MAR/5/018	66 600	62 025	96 025	0	5C
7.	Development of Rice Varieties with Improved Iron Content/Bioavailability through Nuclear Techniques (2007)	MYA/5/016	79 300	52 400	0	0	5C
8.	Adding Value to Root and Tuber Crops through the use of Mutation Induction and Biotechnologies. (2007)	NIR/5/035	40 235	0	0	0	5C
9.	Field Evaluation and Dissemination of Improved Crop Varieties Using Mutation Breeding and Biotechnology Techniques (AFRA II-5) (2007)	RAF/5/056	172 166	166 280	284 464	0	5C
10.	Improvement of Crop Quality and Stress Tolerance for Sustainable Crop Production Using Mutation Techniques and Biotechnology (RCA) (2007)	RAS/5/045	80 000	35 000	35 000	0	5C
11.	Mutation Induction and Supportive Breeding and Biotechnologies for Improving Crop Productivity (ARASIA) (2007)	RAS/5/048	218 505	198 400	166 700	0	5C
12.	Evaluation of Natural and Mutant Genetic Diversity in Cereals Using Nuclear and Molecular Techniques (2007)	RER/5/013	138 655	95 500	187 650	0	5C
13.	Integrated Approach to Develop Sustainable Agriculture in Senegal (2007)	SEN/5/030	121 105	140 230	43 970	0	5C
14.	Improving Sorghum Productivity through Nuclear and Biotechnology (2007)	SIL/5/009	81 378	45 000	0	0	5C
15.	Radiation-induced Mutations for Improvement of Cactus (2005)	TUN/5/023	81 989	0	0	0	5C
16.	Development of Improved Varieties of Olive Tree Through Mutation Breeding and Biotechnology (2007)	TUN/5/024	57 900	85 475	66 350	0	5C
17.	Mutation Techniques for Improving Medicinal Plants with a Curative Effect on Human Diseases and Nutritional Plants (2007)	ZAI/5/016	23 635	62 225	0	0	5C
18.	Development of Drought Tolerant and Disease Resistant Grain Legumes, Phase I (2007)	ZIM/5/013	56 170	3 800	0	0	5C
Sub-Total			1 630 693	1 007 175	902 391	195 000	
1.	Field Evaluation and Dissemination of Improved Crop Varieties Using Mutation Breeding and Biotechnology Techniques (AFRA II-5) (2007)	RAF/5/056 a/	180 000	161 350	101 950	0	5C
2.	Improvement of Crop Quality and Stress Tolerance for Sustainable Crop Production Using Mutation Techniques and Biotechnology (RCA) (2007)	RAS/5/045 a/	60 000	0	0	0	5C
3.	Evaluation of Natural and Mutant Genetic Diversity in Cereals Using Nuclear and Molecular Techniques (2007)	RER/5/013 a/	100 000	0	0	0	5C

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
4. Development of Improved Varieties of Olive Tree Through Mutation Breeding and Biotechnology (2007)	TUN/5/024 a/	4 851	1 000	0	0	5C
Sub-Total		344 851	162 350	101 950	0	
5D Insect Pest Control						
1. Establishment of a Pilot Fruit Fly Free Area Using an Integrated Approach that includes the Area Wide Sterile Insect Technique (2007)	BZE/5/002	23 029	0	0	0	5D
2. Capacity Building for Suppression of Fruit Flies of the Genus Anastrepha from the Azuero Peninsula using an Area-Wide Pest Management Approach (2007)	PAN/5/016	21 900	0	0	0	5D
3. Feasibility of Integrating the Sterile Insect Technique to the Ongoing Area-wide Melon Fly Eradication Programme (2007)	SEY/5/003	38 575	0	0	0	5D
4. Feasibility Study on the use of SIT to Eradicate Tsetse In Zimbabwe (2007)	ZIM/5/012	10 905	0	0	0	5D
Sub-Total		94 409	0	0	0	
1. Strengthening the Capacity for Area-wide Suppression of the Mediterranean Fruit Fly Using the Sterile Insect Technique (2005)	JOR/5/010 a/	70 000	70 000	0	0	5D
Sub-Total		70 000	70 000	0	0	
5E Animal Production						
1. Establishment of Feeding Tables for Feedstuffs that are Locally Available to Stockholders in Burkina Faso (2007)	BKF/5/006	75 870	0	0	0	5E
2. Assessment of Local Feed Resources for Enhancing Fertility and Productivity of Smallholder Dairy Cattle (2007)	KEN/5/027	58 850	71 525	50 250	0	5E
3. An Integrated Approach for Improvement of Livestock Productivity (2007)	NER/5/013	84 105	127 000	0	0	5E
4. Development of Feeding Strategies for Smallholder Dairy Animals in Njolwe and Palabana Dairy Tenant Schemes (2007)	ZAM/5/025	68 840	30 400	0	0	5E
Sub-Total		287 665	228 925	50 250	0	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
1. Assessment of Local Feed Resources for Enhancing Fertility and Productivity of Smallholder Dairy Cattle (2007)	KEN/5/027 a/	0	6 000	0	0	5E
Sub-Total		0	6 000	0	0	
5F Animal Diseases						
1. Monitoring and Control of Major Animal Diseases (2007)	ETH/5/014	39 235	0	0	0	5F
2. Diagnosis and Surveillance of Transboundary Animal Diseases and Production of Diagnostic Reagents (2005)	MON/5/013	71 500	0	89 000	0	5F
3. Integrated Control of Fascioliasis in Latin America (in Support of National Programmes) (2007)	RLA/5/049	220 395	0	0	0	5F
4. Setting up a National Network for the Control of Livestock Diseases that affect Exports (2007)	SUD/5/031	77 805	56 080	25 325	0	5F
Sub-Total		408 935	56 080	114 325	0	
1. Setting up a National Network for the Control of Livestock Diseases that affect Exports (2007)	SUD/5/031 a/	126 170	0	0	0	5F
Sub-Total		126 170	0	0	0	
5G Contaminants and Residues in Food and Environment						
1. Regulatory Control and Monitoring of Mycotoxins to Facilitate Trade (2007)	BEN/5/004	92 200	55 225	0	0	5G
2. Creation of a Nuclear Analysis Laboratory in CATEN for Food Safety (2007)	CMR/5/014	76 170	27 600	0	0	5G
3. Nuclear Techniques for the Monitoring of the Food Quality in the United Republic Of Tanzania (2007)	URT/5/024	114 400	0	0	0	5G
Sub-Total		282 770	82 825	0	0	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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5H Food Irradiation

1. Novel Applications of Food Irradiation Technology for Improving Socioeconomic Development (RCA) (2007)	RAS/5/046	100 000	49 000	40 000	0	5H
Sub-Total		100 000	49 000	40 000	0	

6B Nuclear Medicine Imaging

1. Establishing a Nuclear Medicine Service at the Indira Gandhi Institute of Child Health (2007)	AFG/6/011	75 600	260 170	641 200	0	6B
2. Establishment of a Radioimmunoassay Service for the Management of Endemic Goitre (2007)	BEN/6/002	48 200	0	0	0	6B
3. Establishment of a Nuclear Medicine Centre (2007)	BKF/6/002	362 940	0	0	150 000	6B
4. Upgrading of Radionuclide Therapy in Bosnia and Herzegovina (2007)	BOH/6/010	220 555	377 600	157 365	0	6B
5. Evaluation of Anti-malaria Drugs Using Molecular and Radioisotopic Techniques (2007)	CAF/6/002	164 767	74 000	0	5 000	6B
6. Strengthening Capability in the Nuclear Medicine and Radiotherapy Services of Libyan Health Centres (2007)	LIB/6/006	97 100	262 200	227 175	0	6B
7. Upgrading of Nuclear Medicine Capacities (2005)	MLI/6/005	89 235	0	0	0	6B
8. Expansion of Nuclear Medicine Services (2005)	NAM/6/006	128 000	174 625	199 975	0	6B
9. Introduction of Nuclear Medicine Techniques for Diagnosis of Cancer and Cardiac Diseases (2007)	NIR/6/020	256 540	94 400	0	0	6B
10. Diagnosing Diseases Using Clinical Nuclear Medicine (AFRA II-9) (2005)	RAF/6/030	148 798	210 600	0	0	6B
11. Promoting Regional and National Quality Assurance Programmes for Medical Physics in Nuclear Medicine (AFRA II-7) (2005)	RAF/6/032	175 801	0	0	0	6B
12. Strengthening Clinical Applications of PET in RCA Member States (RCA) (2007)	RAS/6/049	125 267	77 460	40 000	0	6B
13. Establishment of Radiotherapy and Nuclear Medicine Services at the Bugando Medical Centre (2007)	URT/6/022	135 935	249 070	484 000	0	6B
14. Development of a National Programme for Integral Oncology Care -- Nuclear Medicine and Radiopharmacy (2007)	VEN/6/013	75 000	0	0	0	6B
15. Support for the Establishment of a Nuclear Medicine Centre in Aden (2007)	YEM/6/007	32 229	0	0	0	6B

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
16. Upgrading the In Vivo Diagnostic Facility (2005)	ZAI/6/012	56 170	0	0	0	6B
	Sub-Total	2 192 137	1 780 125	1 749 715	155 000	
1. Upgrading of Radionuclide Therapy in Bosnia and Herzegovina (2007)	BOH/6/010 a/	100 000	0	0	0	6B
2. Strengthening Capability in the Nuclear Medicine and Radiotherapy Services of Libyan Health Centres (2007)	LIB/6/006 a/	189 000	316 800	289 800	0	6B
3. Expansion of Nuclear Medicine Services (2005)	NAM/6/006 a/	0	79 200	165 000	0	6B
4. Introduction of Nuclear Medicine Techniques for Diagnosis of Cancer and Cardiac Diseases (2007)	NIR/6/020 a/	150 000	0	0	0	6B
5. Diagnosing Diseases Using Clinical Nuclear Medicine (AFRA II-9) (2005)	RAF/6/030 a/	95 000	85 000	0	0	6B
6. Establishment of Radiotherapy and Nuclear Medicine Services at the Bugando Medical Centre (2007)	URT/6/022 a/	330 000	0	0	0	6B
	Sub-Total	864 000	481 000	454 800	0	

6C Radioisotope and Radiation Treatment

1. Establishment of a Radiation Oncology Centre in the Medical University of Kabul (2007)	AFG/6/012	243 372	1 072 200	1 423 700	43 200	6C
2. Conformal Radiotherapy, Phase I (2007)	ALG/6/015	91 435	53 800	0	0	6C
3. Upgrading the Cancer Treatment Programme in Bolivia (2007)	BOL/6/026	8 000	0	0	0	6C
4. Establishment of a Radiotherapy Centre (2007)	ERI/6/004	52 200	260 100	158 400	474 375	6C
5. Upgrading and Expansion of Radiotherapy and Nuclear Medicine Services (2007)	GHA/6/015	107 100	79 200	151 300	0	6C
6. Upgrading Tele- and Brachytherapy Techniques for Increased Treatment Capacity (2005)	MAG/6/003	85 000	0	0	0	6C
7. Improvement of Quality Assurance in Brachytherapy for Cervical Cancer (2007)	MYA/6/025	132 920	0	0	0	6C
8. Upgrading Radioimmunoassay Services for Thyroid Related Diseases at the University of Nigeria Teaching Hospital, Enugu Nigeria (2007)	NIR/6/018	90 840	66 000	0	0	6C
9. Establishment of a National Quality Assurance Programme in Radiotherapy in Poland (2007)	POL/6/008	26 285	60 000	39 180	0	6C
10. Enhancing Accessibility and Quality in the Care of Cancer Patients (AFRA II-10) (2007)	RAF/6/035	205 430	155 600	337 640	0	6C

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
11. Application of High-Precision 3D Radiotherapy for Predominant Cancers in the RCA region (RCA) (2007)	RAS/6/048	37 500	0	0	0	6C
12. Supporting the Development of a Cancer Management Network (2007)	SUD/6/028	29 100	68 500	62 700	0	6C
13. Support for the Establishment of a Radiation Oncology Centre in the City of Aden (2007)	YEM/6/006	139 000	507 800	160 000	0	6C
14. Improving the Quality of Cancer Treatment (2007)	ZAM/6/012	14 540	0	0	0	6C
15. Rehabilitation of the Existing Radiotherapy Treatment Facilities In Zimbabwe (2007)	ZIM/6/014	120 205	0	0	0	6C
Sub-Total		1 382 927	2 323 200	2 332 920	517 575	
1. Establishment of a Radiotherapy Centre (2007)	ERI/6/004 a/	0	0	158 400	1 478 800	6C
2. Updating of External Beam Radiotherapy at the University Hospital of Tartu, Estonia (2007)	EST/6/007 a/	0	1 930 000	0	0	6C
3. Upgrading and Expansion of Radiotherapy and Nuclear Medicine Services (2007)	GHA/6/015 a/	640 000	239 600	316 400	0	6C
4. Establishing a Radiotherapy Facility (2005)	NER/6/005 a/	75 600	0	0	0	6C
5. Enhancing Accessibility and Quality in the Care of Cancer Patients (AFRA II-10) (2007)	RAF/6/035 a/	997 240	891 200	817 640	0	6C
6. Supporting the Development of a Cancer Management Network (2007)	SUD/6/028 a/	75 600	0	0	0	6C
Sub-Total		1 788 440	3 060 800	1 292 440	1 478 800	
6F Radiation Metrology and Dosimetry						
1. Upgrading the National Secondary Standard Dosimetry Laboratory (SSDL) (2007)	ISR/6/017	17 250	105 225	5 325	0	6F
2. Quality Management of Patient Care at the African Oncology Institute, Sabratha (2007)	LIB/6/005	100 800	0	0	0	6F
3. Further Upgrading of the Quality Assurance Programme and Radiotherapy Services in Mongolia (2007)	MON/6/012	360 347	0	0	0	6F
4. Medical Physics in Support of Cancer Management (AFRA II-8) (2005)	RAF/6/031	150 801	195 400	525 000	0	6F
5. Strengthening Medical Physics through Education and Training (RCA) (2003)	RAS/6/038	312 200	264 600	210 820	135 000	6F
6. National Secondary Standard Laboratory for Calibration of Radiation Dosimeters (2007)	SAU/6/004	30 300	29 725	9 585	0	6F

Field of Activity and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
7.	Strengthening Calibration and Radiation Protection Capabilities (2007)	TUN/6/011	63 605	0	0	0	6F
8.	Installation of a Secondary Standards Laboratory for the Calibration of Radiotherapy Equipment (2007)	URU/6/028	70 000	0	0	0	6F
Sub-Total			1 105 303	594 950	750 730	135 000	
1.	Upgrading Radiotherapy Facilities and Introducing New Radiotherapy Techniques in the Former Yugoslav Republic of Macedonia (2007)	MAK/6/010 a/	8 750	1 006 600	13 800	0	6F
2.	Further Upgrading of the Quality Assurance Programme and Radiotherapy Services in Mongolia (2007)	MON/6/012 a/	50 000	0	0	0	6F
Sub-Total			58 750	1 006 600	13 800	0	
6I Health Effects of Contaminants							
1.	Nutritional Status and Exposure to Toxic Elements of Jamaican Children (2007)	JAM/6/010	36 000	0	0	0	6I
Sub-Total			36 000	0	0	0	
6J Assessment of Micronutrients in Nutrition							
1.	Determination of Vitamin A Deficiency in Women and Children (2007)	ELS/6/016	98 000	0	0	0	6J
2.	Non-Exercise Activity Thermogenesis and Weight Gain in Urban and Rural Adults in Jamaica, a Low-Middle Income Country in Epidemiological Transition (2007)	JAM/6/009	90 000	0	0	0	6J
3.	Evaluation of Vitamin A and Zinc Supplementation on Malarial Morbidity (2007)	RAF/6/036	251 505	191 560	132 800	0	6J
4.	Reducing the Burden of Stunting in Caribbean and Latin America Countries (2007)	RLA/6/060	66 500	0	0	0	6J
Sub-Total			506 005	191 560	132 800	0	
1.	Evaluation of Vitamin A and Zinc Supplementation on Malarial Morbidity (2007)	RAF/6/036 a/	113 400	0	0	0	6J
Sub-Total			113 400	0	0	0	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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6K Energy Metabolism and Body Composition Studies

1.	Reference Laboratory for Research in Chronic, Nutrition-Related Diseases in Guatemala and Central America (2007)	GUA/6/016	100 000	0	0	0	6K
2.	Reinforcement of a Programme to Foster the Exclusive Breastfeeding of Infants in Haiti (2007)	HAI/6/003	167 320	0	0	0	6K
3.	Contributing to the Achievement of the Millennium Development Goals by Combating Undernutrition During Childhood (2007)	IRQ/6/014	32 447	19 795	15 650	0	6K
4.	Implementation and Evaluation of Intervention Programmes to Prevent and Control Childhood Obesity in Latin America (ARCAL XCI) (2007)	RLA/6/059	85 440	0	0	0	6K
5.	Comparison of the Effect of Different Replacement Diets on the Body Composition of HIV Negative Infants Aged 6-18 Months Born to HIV Positive Mothers (2007)	ZIM/6/013	52 535	7 600	0	0	6K
Sub-Total			437 742	27 395	15 650	0	

6L Molecular Biology Techniques and Immunodiagnostics

1.	Molecular Genetic Analysis of Drug Resistant Isolates of M Tuberculosis in Tanzania. (2007)	URT/6/024	109 170	59 800	0	0	6L
Sub-Total			109 170	59 800	0	0	

7F Radioecology

1.	Indoor and Outdoor Monitoring of Naturally Occurring Radioactive Material (2007)	BOH/7/002	220 100	0	0	0	7F
Sub-Total			220 100	0	0	0	
1.	Application of Nuclear Techniques to the Management of Hazardous Algal Blooms (2007)	RAS/7/017 a/	97 500	101 500	0	0	7F
Sub-Total			97 500	101 500	0	0	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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7K Environmental Assessment and Remediation Strategies

1. Radiological Mapping of Jordan (Phase I) (2007)	JOR/7/004	81 720	6 270	0	0	7K
Sub-Total		81 720	6 270	0	0	

7L Isotopes and Radiotracers in Ecotoxicology and Pollution Studies

1. Measurement and Assessment of Radionuclide Concentrations in the Coastal Marine Environment (2005)	KUW/2/004	61 550	30 660	23 845	0	7L
2. Characterization and Source Identification of Particulate Air Pollution in the Asian Region (RCA) (2007)	RAS/7/015	257 609	61 280	40 000	0	7L
Sub-Total		319 159	91 940	63 845	0	
1. Measurement and Assessment of Radionuclide Concentrations in the Coastal Marine Environment (2005)	KUW/2/004 a/	20 113	0	0	0	7L
Sub-Total		20 113	0	0	0	

7M Marine Environment and Coastal Zone Management

1. Coastal Zone Management, Phase II (AFRA II-11) (2007)	RAF/7/007	105 700	101 400	145 975	0	7M
2. Enhancing Regional Capability for the Assessment of Contamination in the Marine Environment (2007)	RAF/7/008	60 770	51 450	105 500	214 500	7M
3. Establishing a Benchmark for Assessing the Radiological Impact of Nuclear Power Activities on the Marine Environment in the Asia-Pacific region (RCA) (2007)	RAS/7/016	198 390	62 800	40 000	0	7M
4. Upgrading Regional Capability to Assess Marine Contaminants in the ARASIA Member States (2007)	RAS/7/018	101 810	0	0	0	7M
5. Use of Nuclear Techniques to Address the Management Problems of Coastal Zones in the Caribbean Region (2007)	RLA/7/012	346 200	240 600	0	0	7M
6. Radiological Monitoring of the Marine Environment (2007)	SAU/7/002	34 100	48 550	14 910	0	7M
7. Environmental Monitoring Programme: Radioecology of the Coastal Environment (2007)	UAE/7/002	95 840	35 119	83 931	0	7M
Sub-Total		942 810	539 919	390 316	214 500	

Field of Activity and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
1.	Coastal Zone Management, Phase II (AFRA II-11) (2007)	RAF/7/007 a/	85 000	430 000	50 000	0	7M
2.	Use of Nuclear Techniques to Address the Management Problems of Coastal Zones in the Caribbean Region (2007)	RLA/7/012 a/	50 000	80 000	0	0	7M
Sub-Total			135 000	510 000	50 000	0	
8H Radiation Processing Facilities and Applications							
1.	Development of Natural Materials for Industrial Applications with the Aid of Ionizing Radiation (2007)	EGY/8/020	16 720	89 900	0	0	8H
2.	Establishment of a National Radiation Processing Centre (2007)	MOL/8/005	470 810	0	0	0	8H
3.	Radiation Processing for Human Health (AFRA IV-16) (2007)	RAF/8/044	113 390	134 000	196 230	0	8H
4.	Technical Support for the Establishment and Operation of a Multi-Purpose Gamma Irradiation Facility (2007)	SRL/8/019	207 715	137 400	0	0	8H
Sub-Total			808 635	361 300	196 230	0	
8J Radiation Technologies and Tracer Techniques for Industrial Processes							
1.	Radioisotope Applications in the Petroleum Production and Processing Industries (2007)	ECU/8/027	147 450	0	0	0	8J
2.	Radioisotope Applications for Troubleshooting and Optimizing Industrial Processes (AFRA IV-10) (2005)	RAF/8/040	130 500	175 400	220 885	0	8J
3.	Application of Nuclear Technology for the Optimization of Industrial Processes and for Environmental Protection (ARCAL XCIII) (2007)	RLA/8/042	61 265	0	0	0	8J
Sub-Total			339 215	175 400	220 885	0	
8M Ground-Water Hydrology							
1.	Contribution of Hydrochemistry and Isotopes to the Study of Chott El-Gharbi Aquifer Systems (Western Algeria) (2007)	ALG/8/013	45 270	11 400	0	0	8M
2.	Isotopic Techniques for Modelling the Coastal Aquifer System (2007)	BEN/8/003	64 100	0	0	0	8M

Field of Activity and TC Project Title		TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
3.	Contribution of Isotopic and Hydrochemical Methods to Develop an Integrated Management Scheme for the Water Resources of Western Basins (2007)	BKF/8/004	39 080	0	0	0	8M
4.	Contribution of Isotope Hydrology to the Development, Assessment and Management of Water Resources in Chad (2007)	CHD/8/002	56 940	0	0	0	8M
5.	Characterization of Coastal Aquifers on the Santa Elena Peninsula (2007)	ECU/8/026	61 170	21 050	0	0	8M
6.	Use of Environmental Isotopes for the Study in Selected Sites of Water Pollution Due to Sewage Treatment Plants (2007)	EGY/8/021	63 835	0	0	0	8M
7.	Assessment of Groundwater Resources in Selected River Basins (2007)	ETH/8/010	112 600	89 600	48 525	0	8M
8.	Isotope and Hydrogeochemical Characterization of Drinking Water Wells that Supply the León Valley, Guanajuato (2007)	MEX/8/025	60 000	0	0	0	8M
9.	Application of Isotope Techniques to Assess the Groundwater Quality, Recharge and Return Flow Mechanisms In The Platveld Aquifers, Central Namibia (2007)	NAM/8/005	46 808	0	0	0	8M
10.	Adding the Groundwater Dimension in the Nile River Basin (2007)	RAF/8/042	275 400	424 100	277 500	0	8M
11.	Application of Isotopic Tools for Integrated Management of Coastal Aquifers (ARCAL XCII) (2007)	RLA/8/041	74 920	0	0	0	8M
12.	Contribution of Isotopic and Hydrochemical Techniques to Assess Sources of Pollution in Two Shallow Groundwater Basins (2007)	SUD/8/010	54 432	19 560	0	0	8M
13.	Use of Isotope Hydrology for Groundwater Resources Management (2007)	THA/8/015	186 060	37 120	0	0	8M
14.	Assessment of Groundwater Resources in Usangu Catchment by Use of Isotope Techniques (2007)	URT/8/013	87 505	44 800	0	0	8M
15.	Isotope-based Hydro-geochemical Studies of the Mont Amba Aquifer (2003)	ZAI/8/013	55 100	67 225	0	0	8M
Sub-Total			1 283 220	714 855	326 025	0	
1.	Assessment of Groundwater Resources in Selected River Basins (2007)	ETH/8/010 a/	300 000	360 000	340 000	0	8M
2.	Adding the Groundwater Dimension in the Nile River Basin (2007)	RAF/8/042 a/	422 928	342 360	191 512	0	8M
3.	Isotope Hydrology Integration in the Water Sector (2007)	RAF/8/046 a/	154 860	172 340	0	0	8M
Sub-Total			877 788	874 700	531 512	0	
8N Surface-Water Hydrology							
1.	Use of Isotopes in Dam Safety and Dam Sustainability (AFRA IV-17) (2007)	RAF/8/045	75 400	118 215	87 640	211 500	8N
Sub-Total			75 400	118 215	87 640	211 500	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
1. Use of Isotopes in Dam Safety and Dam Sustainability (AFRA IV-17) (2007)	RAF/8/045 a/	580 860	566 800	445 280	0	8N
	Sub-Total	580 860	566 800	445 280	0	
8O Analytical and Instrumental Techniques						
1. Upgrading Radioactivity Monitoring Capabilities (2007)	CYP/8/005	47 600	0	0	0	8O
2. Use of Nuclear Analysis Techniques and Development of Databases for Characterization and Preservation of National Cultural Heritage Objects (ARCAL XCIV) (2007)	RLA/8/043	49 000	0	0	0	8O
	Sub-Total	96 600	0	0	0	
8P Non-Destructive Testing (NDT) and Examination (NDE)						
1. Establishment of a Non-destructive Testing (NDT) Laboratory for Industrial Applications (2007)	ANG/8/002	41 435	96 225	0	0	8P
2. Environmentally Safe Operation of Pressure Vessels Using NDT Techniques (2007)	MAR/8/008	47 535	0	0	0	8P
3. Establishing a Quality Assurance and Training Lab for Non-Destructive Testing (2007)	QAT/8/002	103 712	0	0	0	8P
4. Promoting Self-reliance and Sustainability of Non-destructive Testing Facilities (AFRA IV-15) (2007)	RAF/8/043	120 600	142 850	230 640	0	8P
	Sub-Total	313 282	239 075	230 640	0	
1. Promoting Self-reliance and Sustainability of Non-destructive Testing Facilities (AFRA IV-15) (2007)	RAF/8/043 a/	220 000	360 000	160 000	0	8P
	Sub-Total	220 000	360 000	160 000	0	
9C Regulatory Infrastructure for Radiation and Waste Safety						
1. Sustainability of Regional Radiation Protection Infrastructure (RCA) (2007)	RAS/9/042	195 000	160 000	40 000	0	9C
	Sub-Total	195 000	160 000	40 000	0	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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9E Safe Predisposal and Disposal of Radioactive Waste

1. Comprehensive Safety Assessment of Radioactive Waste in Ukraine (Classification, Characterization, Environmental Assessment) (2007)	UKR/9/026	29 200	0	0	0	9E
Sub-Total		29 200	0	0	0	

9H Regulatory Infrastructure for Nuclear Safety

1. Establishment of a National Regulatory Control System (2005)	BOH/9/002	100 170	0	0	0	9H
2. Enhancement of the Regulatory Infrastructure for Nuclear and Radiological Safety (2007)	CHI/9/020	160 000	0	0	0	9H
3. Regulatory Infrastructure for Licensing and Control of Nuclear and Radiation Facilities in Iran (2007)	IRA/9/018	157 080	90 750	42 600	0	9H
4. Enhancing capabilities in VATESI and other institutions in the licensing of a new NPP (2008)	LIT/9/009	193 196	189 180	182 970	0	9H
5. Further Improvement of Regulatory Performance for the Pakistan Nuclear Regulatory Authority (2005)	PAK/9/028	210 394	192 060	48 300	0	9H
Sub-Total		820 840	471 990	273 870	0	
1. Regulatory Infrastructure for Licensing and Control of Nuclear and Radiation Facilities in Iran (2007)	IRA/9/018 a/	151 200	158 400	165 600	0	9H
2. Enhancing capabilities in VATESI and other institutions in the licensing of a new NPP (2008)	LIT/9/009 a/	0	50 000	0	0	9H
Sub-Total		151 200	208 400	165 600	0	

9J Medical Exposure Control

1. Strengthening Radiological Protection of Patients and Medical Exposure Control (2005)	RAF/9/033	200 065	196 320	190 000	0	9J
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Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
2. Strengthening Radiological Protection of Patients and Medical Exposure Control (2007)	RER/9/093	335 040	205 100	140 000	0	9J
	Sub-Total	535 105	401 420	330 000	0	
9K Public Exposure Control						
1. Upgrading National Capabilities in Controlling Public Exposure (2007)	RER/9/094	396 340	373 050	100 000	0	9K
	Sub-Total	396 340	373 050	100 000	0	
9L Emergency Preparedness and Response						
1. Assessment of Atmospheric Transport of Radionuclides (2007)	KUW/9/004	123 790	87 830	54 070	0	9L
	Sub-Total	123 790	87 830	54 070	0	
1. Assessment of Atmospheric Transport of Radionuclides (2007)	KUW/9/004 a/	125 000	0	0	0	9L
	Sub-Total	125 000	0	0	0	
9N Operational Safety						
1. Enhancing operational safety in nuclear installations (2008)	RLA/9/060	160 000	127 000	0	0	9N
	Sub-Total	160 000	127 000	0	0	
9O Research Reactor Safety						
1. Strengthening Emergency Preparedness and Response at Nuclear Research Facilities (2005)	RUS/9/005	67 340	0	0	0	9O
	Sub-Total	67 340	0	0	0	

Field of Activity and TC Project Title	TC Project Number	2009 US\$	2010 US\$	2011 US\$	Future Years US\$	FOA
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9T Safety and Security of Radiation Sources

1. Regain Control over Orphan Sources (2007)	IRQ/9/006	65 300	29 905	25 210	0	9T
	Sub-Total	65 300	29 905	25 210	0	

9X Education and Training in Radiation and Waste Safety

1. Education and Training in Support of Radiation Protection Infrastructure (2005)	RAF/9/035	387 960	397 980	470 400	0	9X
	Sub-Total	387 960	397 980	470 400	0	
1. Education and Training in Support of Radiation Protection Infrastructure (2007)	RAS/9/050 a/	537 270	0	0	0	9X
	Sub-Total	537 270	0	0	0	

CORE FINANCING	21 978 307	15 160 484	13 700 497	3 379 475		
FOOTNOTE-a/ FINANCING	14 376 815	13 237 925	6 034 547	2 946 975		
TOTAL	36 355 122	28 398 409	19 735 044	6 326 450		