



ARCAL

**ACUERDO REGIONAL DE COOPERACIÓN PARA LA PROMOCIÓN
DE LA CIENCIA Y LA TECNOLOGÍA NUCLEARES EN
AMERICA LATINA Y EL CARIBE**

**PROYECTOS REGIONALES DE COOPERACIÓN TÉCNICA
PROPUESTOS POR ARCAL
CICLO 2016-2017**

**XVI REUNIÓN DEL ÓRGANO DE
REPRESENTANTES DE ARCAL**

15 DE SEPTIEMBRE DEL 2015

VIENA, AUSTRIA

**ORA2015-04
SEPTIEMBRE 2015**

List of projects presented by ARCAL - TECHNICAL COOPERATION PROGRAMME

Project Number	Title	Objective	DTM	Participating Countries	Approved years	TCF Funding						
						2016	2017	Total 2016-2017	2018	2019	Total 2018-2019	
APPROVED 2014-2017	RLA5064	Strengthening Soil and Water Conservation Strategies at the Landscape Level by Using Innovative Radio and Stable Isotope and Related Techniques (ARCAL CXL)	To provide new data sets, complementing existing ones, to relevant authorities in the region for agricultural planning and strategy.	CHI	ARG, BOL, BRA, CHI, COL, COS, CUB, DOM, ECU, ELS, GUA, HAI, JAM, MEX, NIC, PAN, PAR, PER, URU, VEN.	2014-2016	* EBT Funds					
	RLA5065	Improving Agricultural Production Systems Through Resource Use Efficiency (ARCAL CXXXVI)	To enhance food security and environmental protection through the establishment of sustainable agricultural systems with enhanced nutrient use efficiency.	URU	ARG, BOL, BRA, CHI, COS, CUB, DOM, ECU, GUA, MEX, NIC, PAR, URU, VEN.	2014-2017	126 300	65 000	191 300			
	RLA6072	Supporting Capacity Building of Human Resources for a Comprehensive Approach to Radiation Therapy (ARCAL CXXXIV)	To improve the quality of radiation therapy by strengthening the training of professionals.	VEN	ARG, BOL, BRA, CHI, COL, COS, CUB, DOM, ECU, ELS, GUA, HON, MEX, NIC, PAN, PAR, PER, URU, VEN.	2014-2017	179 000	329 000	508 000			
	RLA6074	Supporting the Development of Regionally Produced Radiopharmaceuticals for Targeted Cancer Therapy through the Sharing of Capabilities and Knowledge, and Improvement of Facilities, Networking and Training (ARCAL CXXXVII)	To improve treatment and quality of life of cancer patients.	CUB	ARG, BRA, CHI, COL, COS, CUB, ECU, GUA, MEX, NIC, PAR, PER, URU, VEN.	2014-2016	220 000		220 000			
	RLA6075	Supporting Diagnosis and Treatment of Tumours in Paediatric Patients (ARCAL CXXXVIII)	To strengthen the clinical applications of diagnostic imaging modalities and radionuclide therapies and appropriate use in paediatric and adolescent cancer patients in Latin America, with special focus on neuroendocrine tumours, lymphomas and differentiated thyroid carcinoma.	CUB	ARG, BOL, BRA, CHI, COL, COS, CUB, MEX, NIC, PAN, PAR, PER, URU, VEN.	2014-2016	158 500		158 500			
	RLA7018	Improving Knowledge of Groundwater Resources to Contribute to their Protection, Integrated Management and Governance (ARCAL CXXXV)	To improve the availability and quality of groundwater resources in Latin America.	ARG	ARG, BOL, BRA, CHI, COL, COS, CUB, ECU, HON, MEX, NIC, PAR, URU.	2014-2017	290 000	20 000	310 000			
	RLA7019	Developing Indicators to Determine the Effect of Pesticides, Heavy Metals and Emerging Contaminants on Continental Aquatic Ecosystems Important to Agriculture and Agroindustry (ARCAL CXXXIX)	To improve the quality of life in Latin America through proper management of water resources.	COS	ARG, BOL, BRA, CHI, COS, CUB, ECU, GUA, MEX, NIC, PAN, PAR, URU.	2014-2017	165 000	210 500	375 500			

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APPROVED 2016-2019	RLA0056	Strengthening Regional Cooperation (ARCAL CXLVII)	To enhance regional cooperation by establishing mechanisms aimed at strengthening technical cooperation among developing countries and the regional programming for Latin America and the Caribbean.	BRA	ARG, BOL, BRA, CHI, COL, COS , DMI, DOM, ECU, ELS, GUA, HAI, HON, JAM, MEX, NIC, PAN, PAR, PER, URU, VEN.	2016-2017	229 000	215 000	444 000			
	RLA1012	Developing a Capacity Building Programme to Ensure Sustainable Operation of Nuclear Research Reactors through Personnel Training (ARCAL CLI)	To develop sustained reliable operation of Nuclear Research Reactors in the region.	PER	ARG, BOL, BRA, CHI, COL, JAM, MEX, PER, URU, VEN.	2016-2018	249 000	199 000	448 000	206 500		206 500
	RLA1013	Creating Expertise in the Use of Radiation Technology for Improving Industrial Performance, Developing New Materials and Products, and Reducing the Environmental Impact of the Industry (ARCAL CXLVI)	To develop capacities in the use of radiation technology for improving the industrial performance and reducing the environmental impact of the industry.	BRA	ARG, BOL, BRA, CHI, COL, COS , CUB, DOM, ECU, ELS, GUA, MEX, PAN, PAR, PER, URU, VEN.	2016-2019	217 000	222 000	439 000	220 000	119 000	339 000
	RLA2015	Supporting the Development of National Energy Plans with the Purpose of Satisfying the Energy Needs of the Countries of the Region with an Efficient Use of Resources in the Medium and Long Term (ARCAL CXLIII)	To provide support to Member States in the development/updating of national energy strategies to meet the future energy needs in the context of sustainable development, to strengthen local capabilities in the use of energy planning tools and to analyse, project and assess the viability of the nuclear option in the medium and long term.	ARG	ARG, BHA, BZE, BOL, BRA, CHI, COL, COS , CUB, DMI, DOM, ECU, ELS, GUA, HAI, HON, JAM, MEX, NIC, PAN, PAR, PER, TRI, URU, VEN.	2016-2017	190 000	266 000	456 000			
	RLA5068	Improving Yield and Commercial Potential of Crops of Economic Importance (ARCAL CL)	To improve crop productivity for food security and economic growth by generating new mutants of high quality and adapted to biotic and abiotic stresses.	PAR	ARG, BOL, BRA, CHI, COL, COS , DMI, DOM, ELS, GUA, JAM, MEX, NIC, PAN, PAR, PER, VEN.	2016-2019	145 500	162 300	307 800	161 300	147 000	308 300
	RLA5069	Improving Pollution Management of Persistent Organic Pollutants to Reduce the Impact on People and the Environment (ARCAL CXLII)	To improve environmental quality and reduce human exposure to persistent organic pollutants (POPs) by establishing a correlation between the amounts of POPs found in humans and the environment that they live in.	ARG	ARG, BOL, COL, COS, DOM, GUA, MEX, PAR, URU.	2016-2019	205 300	214 800	420 100	77 400	112 200	189 600
	RLA5070	Strengthening Fruit Fly Surveillance and Control Measures Using the Sterile Insect Technique in an Area Wide and Integrated Pest Management Approach for the Protection and Expansion of Horticultural Production (ARCAL CXLI)	To assist in the development of the fruit and horticultural production industry using the Sterile Insect Technique (SIT) as a component of integrated management of fruit flies in the Latin American region.	GUA	ARG, BOL, BRA, COL, COS, DOM, ECU, ELS, GUA, JAM, MEX, PAN, PAR, VEN.	2016-2018	199 000	245 000	444 000	110 000		110 000
	RLA5071	Decreasing the Parasite Infestation Rate of Sheep (ARCAL CXLIV)	To contribute to the sustainable increase in sheep production at the national and regional level.	ARG	ARG, BOL, BRA, DOM, MEX, PAR, PER, URU, VEN.	2016-2019	118 000	184 600	302 600	151 000	128 000	279 000
	RLA6077	Taking Strategic Actions to Strengthen Capacities in the Diagnostics and Treatment of Cancer with a Comprehensive Approach (ARCAL CXLVIII)	To improve the quantity and quality of the existing human resources for the use of advanced technology in diagnostics and treatment of cancer under "good practice" conditions and with adequate radiation protection standards.	CUB	ARG, BOL, BRA, CHI, COL, COS , CUB, DOM, ELS, GUA, HAI, HON, MEX, NIC, PAN, PAR, PER, URU.	2016-2020	200 000	238 000	438 000	206 000	217 000	423 000

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RLA7021	Using Environmental Isotopes and Hydrogeochemical Conventional Tools to Evaluate the Impact of Contamination from Agricultural and Domestic Activities on Groundwater Quality (ARCAL CXLIX)	To contribute to the improving groundwater quality in some countries of Latin America.	VEN	ARG, BOL, CHI, COS, DOM, MEX, NIC, PAN, VEN.	2016-2017	125 000	150 700	275 700			
RLA7022	Strengthening Regional Monitoring and Response for Sustainable Marine and Coastal Environments (ARCAL CXLV)	To contribute to building an effective environmental policy for the sustainable management of marine resources.	COS	ARG, BRA, CHI, COS, CUB, DOM, ELS, GUA, HAI, MEX, NIC, PAN, URU, VEN.	2017-2019	0	80 000	80 000	208 800	155 000	363 800