

### List of projects that have received contributions through the IAEA Peaceful Uses Initiative

This table lists all projects that have received contributions through the IAEA Peaceful Uses Initiative (PUI). It reflects the status as of 30 October 2015.

Theme	Project title	Project Objective	Status
<b>Water &amp; Environment</b>	<b>BEN/7/001</b> Supporting the Ministry of the Environment, Housing and Town Planning with the Creation of a Marine and Coastal Environment Monitoring Laboratory	To develop and implement an integrated approach for monitoring environmental pollution and risk assessment, to apply nuclear techniques to address pollution issues (including transboundary pollution) for the sustainable use of environmental resources and to enhance socioeconomic benefits.	Ongoing
	<b>INS/7/006</b> Applying Nuclear Technologies to Enhance Climate Change Research and Support an Observation Plan for Corals	To provide better understanding of climate change impacts on corals in order to improve the ability of Indonesia to obtain scientific policy-linked options of marine observation and mitigate future threats.	Completed
	<b>INS/7/007</b> Assessing Air Quality and Ocean Acidification	To contribute to the improvement of air quality in Indonesia by applying advanced Nuclear Analytical Techniques (NAT) to the assessment of APM (airborne particulate matter) pollution and of ocean acidification caused by air pollutants.	Completed
	<b>KAM/7/001</b> Enhancing Water Resource Management	To enhance water resources management through the introduction of nuclear techniques, including the assessment of ground and surface water and the feasibility of the e-beam technology for wastewater treatment in the Cambodian garment industry.	Completed
	<b>PAK/7/004</b> Strengthening the infrastructure for application of isotope techniques in water resource management	To strengthen the capability of Pakistan for the application of isotope techniques for groundwater resource management on the basis of groundwater mapping.	Completed
	<b>THA/8/015</b> Use of Isotope Hydrology for Groundwater Resources Management	To assess hydrological processes in the Upper Chi watershed and Lower Nan River Basin using isotope and other techniques relevant to water resources management and establish an isotope hydrology laboratory for national services.	Completed

	<b>RAF/7/010</b> Supporting Integrated Water Resource Management for Iullemeden and Taoudéni/Tanezro Aquifers	To improve the knowledge of the Iullemeden and Taoudéni/Tanezrouft aquifers and their hydraulic relationship with the Niger river for future development planning, through the application of chemical and isotopic methods.	Completed
	<b>RAF/7/011</b> Integrated and Sustainable Management of Shared Aquifer Systems and Basins of the Sahel Region.	To promote the integrated management and sustainable development of the shared groundwater resources in the Sahel region.	Ongoing
	<b>RAS/7/021</b> Marine Benchmark Study on the Possible Impact of the Fukushima Radioactive Releases in the Asia-Pacific Region	To enhance capacities of Member States in the Asia-Pacific region to evaluate the extent and the possible impact of the releases of radioactivity from the Fukushima Daiichi nuclear power plant into the marine environment and to make scientific assessments of the data.	Ongoing
	<b>RAS/7/023</b> Supporting Sustainable Air Pollution Monitoring Using Nuclear Analytical Technology	To enhance regional capabilities in source apportionment and fingerprinting of air particulate matter pollution in urban areas of RCA Member States through the use of nuclear analytical techniques (NATs).	Completed
	<b>RAS/7/024</b> Supporting Nuclear and Isotopic Techniques to Assess Climate Change for Sustainable Marine Ecosystem Management	To enhance regional capabilities for utilization and application of nuclear and isotopic techniques to assess climate change impacts on marine and coastal resources.	Ongoing
	<b>RAS/7/026</b> Supporting the Use of Receptor Binding Assay (RBA) to Reduce the Adverse Impacts of Harmful Algal Toxins on Seafood Safety	To strengthen harmful algal bloom (HAB) monitors capabilities in the Asia and the Pacific region through the use of the Radioligand Receptor Binding Assay (RBA) Technique for Ciguatera and Puffer Fish Poisoning.	Ongoing
	<b>RLA/7/020</b> Establishing the Caribbean Observing Network for Ocean Acidification and its Impact on Harmful Algal Blooms, using Nuclear and Isotopic Techniques	To strengthen the sustainable management of marine resources in the Caribbean Sea.	Ongoing
	<b>INT/2/016</b> Supporting Climate Change Mitigation	To enable Member States to evaluate the potential roles of various energy demand and supply options under	Completed

	Strategies and Energy Options	different international climate regimes and effectively participate in the climate change negotiations	
	<b>INT/5/153</b> Assessing the Impact of Climate Change and its Effects on Soil and Water Resources on Polar and Mountainous Regions	To improve understanding of the impact of climate change on fragile polar and mountainous ecosystems at the local and global scale for enhanced agricultural water and soil management.	Ongoing
	IAEA Water Availability Enhancement Project	To increase the availability and sustainability of freshwater by strengthening national capacities for collecting, managing and interpreting water resources data.	Ongoing
	Implementation of a Comprehensive Sampling and Analytical Methodology to Determine and Trace Oil Pollution in Marine Waters	To implement and develop reliable sampling and analytical methodologies for measuring and tracing low levels of petroleum hydrocarbons in marine waters.	Ongoing
	Capacity Building for the Detection and Quantification of PSP and CFP Toxins in Seafood for the Management and the Mitigation of Harmful Algal Bloom Impacts	To build the capacity in the detection of toxins in seafood; and to harmonize detection methods among national monitoring programs on seafood safety.	Ongoing
	Ocean Acidification – International Coordination Centre (OA-ICC)	To promote, facilitate and communicate global activities on ocean acidification. The OA-ICC serves as a hub bringing together scientists, policy makers, media, schools, the general public and other ocean acidification actors and stakeholders.	Ongoing
	Application of isotopic measurements for determination of long lived radionuclides in the marine environment	To apply the latest developments in isotopic sciences to provide rapid, robust and sensitive methods for studying low levels of toxic elements and long-lived anthropogenic and natural radioisotopes in the marine environment.	Ongoing
	Development of national hydrology networks for water resources assessment	To develop and/or strengthen national hydrological networks of professionals and institutes involved in water resource issues. Such networks are an integral part	Ongoing

		of identifying and filling gaps in hydrological information.	
	Production of a Certified Reference Material for Trace Element and Organic Contaminants in Marine Sediment from the Pacific	To produce a certified reference material for Trace Element and Organic Contaminants in Marine Sediment from the Pacific.	Ongoing
	Coordinated Research Project on Levels, Trends and Radiological Effects of Radionuclides in the Marine Environment	To help establish a coordinated research project on “Levels, Trends and Radiological Effects of Radionuclides in the Marine Environment”. This CRP is a follow up to previous work conducted by the IAEA Environment Laboratories in Monaco and will take into account new data, inter alia, marine releases from the Fukushima Daiichi nuclear accident.	Ongoing
<b>Food &amp; Agriculture</b>	<b>EGY/8/022</b> Producing Curable Polymeric Materials for Controlled Release of Agrochemicals by Using Electron Beam Accelerators	To enhance the industrial application of electron beam accelerators in Egypt with a view to produce curable polymer materials for controlled release of agrochemicals.	Completed
	<b>GUA/5/016</b> Establishment of Fruit Fly Free or Low Prevalence Areas using the Sterile Insect Technique	To establish a fruit fly free area or low prevalence area in order to produce and export fruits and vegetables.	Completed
	<b>INS/5/039</b> Enhancing food crop production using induced mutation, improved soil and water management and climate change adaptation	To increase rice and sorghum productivity in Indonesia through mutation induction, improved soil and water management, and climate change adaptation.	Completed
	<b>KAM/5/001</b> Improving Soil Fertility and Crop Management Strategies in Diversified Rice-Based Farming Systems	To improve soil fertility and crop management strategies in diversified rice-based farming systems for ensuring food and fodder security, while conserving agro-ecosystems.	Ongoing
	<b>LAO/5/001</b> Enhancing Food Security through Best Fit Soil-Water Nutrient Management Practices with	To improve food security through enhanced rice production, utilizing technology packages based on best	Ongoing

	Mutation Induction for Drought Resistant Rice	fit soil-water-nutrient management practices and improved varieties through mutation breeding in Lao People's Democratic Republic.	
	<b>MYA/5/020</b> Strengthening Food Security through Yield Improvement of Local Rice Varieties with Induced Mutation (Phase II)	To strengthen food security and to help local farmers and consumers through the development of new high yielding rice varieties with good eating quality.	Ongoing
	<b>THA/5/051</b> Evaluating Soil Erosion-Deposition and Soil Quality using Isotopic and Nuclear Techniques in Agricultural Areas Affected by Flooding	To assess the sources of flooding induced sediments and soil quality under various soil types and land uses of the Chaopraya River Basin in Thailand using nuclear techniques for improving soil management practices in agriculture.	Ongoing
	<b>THA/5/055</b> Using Isotope Tracer and Fingerprint Techniques for the Assessment of Sediment Processes	To apply isotope tracer and fingerprint techniques for assessment of sediment processes in the Gulf of Thailand.	Ongoing
	<b>URT/5/027</b> Improvement of Livestock Production	To improve livestock production and productivity in the United Republic of Tanzania through sustainable application of various nuclear and nuclear related techniques.	Completed
	<b>VIE/5/018</b> Adapting Rice-Based Cropping Systems to the Impact of Climate Change by Nuclear Mutation Breeding and Improving Nitrogen Use Efficiency Using Nitrogen-15 for Vegetables in Main Growing Areas	To develop improved crop varieties that will contribute towards food security in the vulnerable regions of climate change and improve food safety for vegetables by applying nuclear techniques.	Ongoing
	<b>RAF/5/058</b> Enhancing the Productivity of High Value Crops and Income Generation with Small-Scale Irrigation Technologies	To develop and pilot test appropriate irrigation systems (methods and related water/nutrient management practices) for small-scale farmers for increasing yield, quality of high value crops and farmers income to	Completed

		improved livelihood.	
	<b>RAF/5/071</b> Enhancing Crop Nutrition and Soil and Water Management and Technology Transfer in Irrigated Systems for Increased Food Production and Income Generation (AFRA)	To enhance food security, income and the resilience of smallholder farmer through climate change adaptive, mitigation and coping strategies.	Completed
	<b>RAF/0/042</b> Promoting the Sustainability and Networking of National Nuclear Institutions for Development	To enhance the self-reliance and sustainability of national nuclear institutions and other end users of nuclear techniques in African Member States through the rationalization of scientific programmes and managerial practices.	Ongoing
	<b>RAS/5/055</b> Improving Soil Fertility, Land Productivity and Land Degradation Mitigation	To assist Member States in the development and effective implementation of area-wide precision conservation to control the impact of land-use practices on land degradation through enhancing capacities in nuclear and isotopic techniques.	Ongoing
	<b>RAS/5/064</b> Enhancing Productivity of Locally-underused Crops through Dissemination of Mutated Germplasm and Evaluation of Soil, Nutrient and Water Management Practices	To enhance productivity of currently underused crops under local conditions and climate change and variability in Asia	Ongoing
	<b>RAS/5/067</b> Integrating Sterile Insect Technique for Better Cost-Effectiveness of Area-Wide Fruit Fly Pest Management Programmes in Southeast Asia	To enhance agriculture productivity to meet international standards by integrating a series of newly validated biotechnologies and promoting sustainable commercialization for area-wide fruit fly pest management programmes in Southeast Asian countries.	Ongoing
	<b>RAS/5/069</b> Complementing Conventional Approaches with Nuclear Techniques towards Flood Risk Mitigation and Post-Flood	To improve the capacity to develop resilience/adaptation of agricultural production systems to flooding events by (i) generating flood-tolerant crops using nuclear techniques; (ii) improving soil-water-nutrient	Ongoing

	Rehabilitation Efforts in Asia	management practices by isotopic techniques for flood adaptation-rehabilitation approach; (iii) optimizing use of local feed resources while protecting the environment, animal production and locally adapted animal breeds, and early and rapid diagnosis/control of trans-boundary animal/zoonotic diseases; (iv) flood management by use of isotope hydrology, comprehensive water resources assessment, including river basin and groundwater systems, for forecasting occurrence and potential extent of floods; and (v) developing strategies to exploit the potential of floodplains to absorb floodwater to the extent possible and to fulfil additional needs of drinking and irrigation through use of groundwater from floodplains.	
	<b>RAS/5/070</b> Developing Bioenergy Crops to Optimize Marginal Land Productivity through Mutation Breeding and Related Techniques (RCA)	To cultivate improved varieties of bioenergy crops on marginal lands.	New
	<b>RER/5/018</b> Supporting Fruit Fly Pest Prevention	To enhance agricultural productivity in the Balkans and Eastern Mediterranean by supporting fruit fly pest prevention and management.	Completed
	<b>RER/5/020</b> Controlling Fruit Flies in the Balkans and the Eastern Mediterranean	To enhance agricultural productivity in the Balkans and Eastern Mediterranean by supporting the production of fruit fly free commodities, meeting international standards.	Ongoing
	<b>RLA/5/060</b> Harmonizing and Validating Methods to Monitor the Risk of Chemical Residues and Contaminants in Foods to Human Health	To ensure food safety, promote good agricultural and production practices and enhance food exports from Member States of the Latin America region, through the establishment and harmonization of analytical systems for food monitoring.	Completed

	<b>RLA/5/064</b> Strengthening Soil and Water Conservation Strategies at the Landscape Level by Using Innovative Radio and Stable Isotope and Related Techniques	To provide new data sets, complementing existing ones, to relevant authorities in the region for agricultural planning and strategy.	Ongoing
	Strengthening Veterinary Diagnostic Laboratories in Africa for Rapid and Specific Diagnosis of Transboundary Animal Diseases Including those of Zoonotic Nature	To build and improve the diagnostic capacities for transboundary animal diseases (TADs) of veterinary laboratories at the regional level in Africa.	Ongoing
	Building and Improving Animal Disease Diagnostic Capacities of Veterinary Laboratories in Asia by Transfer of Nuclear and Nuclear Related Techniques	To develop and evaluate animal disease diagnostic technologies and platforms and concomitant laboratory management systems to assist Member States' veterinary diagnostic laboratories in reacting in a timely and effective manner to the threat of TADs and those diseases that affect humans.	Ongoing
	Contributing to Agricultural Development in West Africa Through the Control of Tsetse Flies and the Trypanosomosis Problem	To contribute to agricultural development in West Africa through the suppression of the tsetse fly population, this would reduce the incidence of trypanosomosis; and to develop methodologies for the application of sterile insect technique in West Africa.	Ongoing
	Sustainability of Capacity Building Activities to Improve Food Safety	To help laboratories in Member States establish robust analytical techniques to determine the provenance of foodstuffs, resulting in a safer food supply and better food distribution mechanisms.	Ongoing
	Sterile Insect and Related Technologies to manage Major Insect Plant Pests	To increase Member State capacity in the area-wide suppression, containment or eradication of major insect plant pests by developing the sterile insect technique (SIT) and integrating it with other methods of insect pest management.	Ongoing



<b>Human Health</b>	<b>ALG/2/007</b> Production and Utilization of Short-lived Radioisotopes for Nuclear Medicine Including PET	To establish a cyclotron facility for FDG production and PET/CT centre for introduction of positron emission tomography in the Algerian health sector.	Ongoing
	<b>ARM/6/011</b> Strengthening Radiation Therapy Services and Establishing 3D Conformal Radiotherapy	To enhance Radiation oncology services in the National Centre of Oncology through implementation of novel technologies of RT including 3D-CRT, to increase the number of long-term (more than 5-10 years) survivors, to improve the quality of their life and to decrease the rates of cancer mortality in the country.	Completed
	<b>BGD/6/021</b> Improving Childhood Nutrition and Reducing Under-Five Mortality through Nutritional Interventions	To improve the nutrition and health of infants and children in Bangladesh by using stable isotope techniques to develop and evaluate nutritional interventions.	Completed
	<b>BGD/6/024</b> Strengthening the Oncology Department of Bangabandhu Sheikh Mujib Medical University	To establish a dual energy linac with MLC, CT simulator, treatment planning system (TPS) and HDR brachytherapy with applicators and TPS, QA equipment and immobilisation devices for radiotherapy treatment of cancer patients; to use this centre as a reference centre to educate the next generation of radiation oncologists, medical physicists, radiotherapy technologists, administrators, engineers, IT personnel and other staff; to provide support to the National Training Programme for Radiation Oncologists and Medical Physicists.	Ongoing
	<b>BGD/6/025</b> Improving the Management of Oncological, Cardiovascular and Infectious Diseases, Particularly Tuberculosis	To improve the management of cancer, cardiovascular, inflammatory diseases and tuberculosis (TB) through integrating positron emission tomography (PET)/computed tomography (CT) technology in nuclear medicine clinical practice.	Ongoing
	<b>BKF/6/007</b> Building Capacity for the Nuclear Medicine Centre	To reinforce the capacities of the Centre of Nuclear Medicine and to make nuclear medicine more visible through a communication plan aimed at educating health professionals and the public.	Ongoing
	<b>ETH/6/015</b> Expanding Radiotherapy and Nuclear Medicine Services for the Diagnosis, Curative and	To consolidate existing radiotherapy and nuclear medicine facilities at the Tikur Anbessa Specialized	Completed

	Palliative Treatment of Cancer Patients and the Efficient Diagnosis and Treatment of Other Diseases	Hospital, Addis Ababa, and establish radiotherapy and nuclear medicine facilities in Gondar, Awassa, Jimma, Mekele and Harar (in that order) for the diagnosis, curative and palliative treatment of cancer patients, and the efficient diagnosis and treatment of other diseases	
	<b>INS/6/015</b> Improving Quality for Cancer Management through Improved Medical Physics Services	To improve the quality of and to expand access to cancer treatment services in Indonesia.	Ongoing
	<b>JAM/0/004</b> Development National Capacities for the Application of Nuclear Science	To strengthen the capacity of Jamaica to use nuclear science and knowledge for the sustainable application of nuclear techniques, such as advanced X-ray fluorescence and gamma spectrometry.	Completed
	<b>KAM/6/001</b> Improving Access to Radiotherapy and Establishing a Plan for Nuclear Medicine Services		Ongoing
	<b>KEN/6/019</b> Expanding Radiotherapy Services and Establishing a Training Programme for Radiation Therapy Technologists	To establish a training programme for radiation therapy technologists (RTTs) in Kenya and to upgrade radiotherapy services at the Kenyatta National Hospital.	Ongoing
	<b>KEN/6/020</b> Establishing National Capacity for an Integrated Approach to Early Detection, Diagnosis, Management, Prevention and Research on Cancer and Radiation Safety	To expand early detection, diagnosis and treatment services for cancer in Kenya.	New
	<b>MON/6/017</b> Improving Cancer Treatment Through Introducing Advanced Technologies in Radiotherapy and Radionuclide Therapy	To enhance cancer treatment through introducing advanced technologies in radiotherapy and radionuclide therapy.	Ongoing
	<b>NEP/6/001</b> Developing Radiation Health Service Infrastructure	A national wide increase in the diagnostic and treatment services available in Nepal, in particular regard to cancer services.	Ongoing
	<b>NER/6/008</b> Supporting the Diagnosis and Treatment of Cancer Patients	To reduce cancer mortality and morbidity in Niger.	Ongoing

	<b>PAC/6/001</b> Cancer Control Capacity Assessment and Evaluation	To provide an assessment of existing cancer control capacities and needs in Member States, and recommend specific actions to address identified gaps.	Ongoing
	<b>PAC/6/002</b> Strengthening Health Systems for Cancer Control	To strengthen Health Systems for Cancer Control	New
	<b>PAC/6/003</b> Resource Mobilization for Cancer Control	To establish and strengthen strategic partnerships as well as enhance advocacy efforts to mobilize sustainable resources in order to address identified priorities in cancer control strategies, plans and policies of Member States.	Ongoing
	<b>RAF/6/045</b> Strengthening Regional Human Resource Building and Treatment Capacity in Radiotherapy	To ensure a human resource capacity that is adequate in skill and numbers for the safe application of quality radiotherapy treatment for cancer patients to meet the demands of the ever increasing burden of cancers in the Africa region.	Completed
	<b>RAF/6/042</b> Applying Nuclear Techniques to Design and Evaluate Interventions to Reduce Obesity and Related Health Risks	To use stable isotope techniques to assess body fat, total energy expenditure and physical activity to inform the design and improvement of interventions aimed at prevention and control of obesity and related health risks such as diabetes among women and children in Africa.	Completed
	<b>RAF/6/044</b> Strengthening Medical Physics in Support of Cancer Management – Phase II (AFRA)	To sustain and improve radiation oncology medical physics services by enhancing the quality and the quantity of medical physicists in Africa.	Ongoing
	<b>RAF/6/048</b> Strengthening Medical Physicists' Capacities to Ensure Safety in Medical Imaging, with an Emphasis on Pediatric Imaging Safety (AFRA)	To strengthen medical physics imaging in support of nuclear medicine and radiology.	Completed
	<b>RAF/6/049</b> Strengthening and Improving Radio pharmacy Services (AFRA)	To continue establishing good operating standards and quality systems for hospital preparation of radiopharmaceuticals in order to improve patient safety in nuclear medicine practice.	Ongoing
	<b>RAS/6/069</b> Supporting Comprehensive Cancer	To continue assisting Member States in Asia and the Pacific region in developing comprehensive national	Completed

	Control in the Asia and the Pacific Region	cancer control strategic plans, within the framework of PACT in collaboration with World Health Organization (WHO), and to conduct cancer capacity and needs assessment through the WHO-IAEA Cancer Control Assessment Missions in low and middle income Member States, upon their request.	
	<b>RAS/6/071</b> Strengthening Radionuclide Therapy for High Impact Cancer Treatment Strategy in Member States of the Regional Cooperative Agreement (RCA)	To reduce mortality and morbidity and improve the quality of life of cancer patients in the Member States of the region.	Ongoing
	<b>RAS/6/073</b> Using Stable Isotope Techniques to Monitor Situations and Interventions for Promoting Infant and Young Child Nutrition	To enhance the awareness and importance of infant and young child feeding (IYCF) practices up to age of two years in the region.	Completed
	<b>RAS/6/076</b> Improving Cancer Management Through Strengthening the Computed Tomography Cancer Staging Process (RCA)	To optimize cancer management through the improvement of professional knowledge in CT scanning and staging.	New
	<b>RLA/6/063</b> Improving management of cardiac diseases and cancer patients by strengthening nuclear medicine techniques in Latin America and the Caribbean region	To improve the management of cardiac diseases and cancer patients by strengthening nuclear medicine techniques in Latin America and the Caribbean region.	Completed
	<b>RLA/6/064</b> Using Nuclear Techniques to Address the Double Burden of Malnutrition in Latin America and the Caribbean	To contribute in the improvement of the capacity of key institutions of the Members States to use nuclear techniques to address the double burden of malnutrition in Latin America and the Caribbean.	Completed
	<b>RLA/6/072</b> Supporting Capacity Building of Human Resources for a Comprehensive Approach to Radiation Therapy	To improve the quality of radiation therapy by strengthening the training of professionals.	Ongoing
	<b>RAF/5/073</b> Strengthening Africa's Regional Capacity for Diagnosis of Emerging or Re-emerging Zoonotic Diseases, Including Ebola Virus	To enhance control of emerging zoonotic diseases in the African region, through safe and accurate early detection of pathogens in wildlife and livestock	Ongoing

	Disease (EVD), and Establishing Early Warning Systems'		
	Strengthening 'Biological Dosimetry' in the Asia and Pacific region	To increase the preparedness of biological dosimetry laboratories/institutes in Member States to react to nuclear and radiation incidents.	Ongoing
	Enhancing Education and Training in Human Health through Quality Assurance	To improve the quality of the Agency's education and training in radiation medicine and nutrition.	Ongoing
<b>Industrial Applications</b>	<b>MYA/1/014</b> Building National Capability to Use Radiotracer and Sealed Source Techniques in Industry	To build up national capability in radiotracer and sealed source techniques for industrial applications including for the provision of services to national industries	Ongoing
	<b>NIR/1/010</b> Deploying a CERD Accelerator to Support National Economic Development Programs	To establish the CERD as reference point for the provision of accelerator based analytical applications, services and expertise to support national economic development programmes in Nigeria.	Ongoing
	<b>PHI/8/026</b> Establishing an Electron Beam Facility in Philippines	To establish an electron beam facility for R&D on radiation-induced polymerization and crosslinking to produce value-added products to increase the competitiveness of Philippine industries.	Ongoing
	<b>CRP on Sharing and Developing Protocols to Further Minimize Radioactive Gaseous Releases to the Environment in the Manufacture of Medical Radioisotopes, as Good Manufacturing Practice.</b>	To identify and present solutions to important technical issues related to the radioactive gaseous emissions from current and possible future medical isotope production facilities.	Ongoing
<b>Nuclear Power Infrastructure</b>	<b>BDG/4/024</b> Establishing Nuclear Power	To strengthen nuclear infrastructure to facilitate implementation of the Rooppur Nuclear Power Plant in Bangladesh.	Completed

Development			
	<b>INS/4/037</b> Supporting a Pre-Feasibility Study on the Introduction of Small and Medium Reactors for Co-generation in Kalimantan	To support the introduction of small and medium reactors for cogeneration in Kalimantan, Indonesia.	Completed
	<b>JOR/2/007</b> Developing Nuclear Infrastructure for the Construction and Operation of a Nuclear Power Plant	To assist the development of nuclear infrastructure needed for the construction and operation of the first nuclear power in Jordan, through capacity buildings of key organizations	Completed
	<b>JOR/2/009</b> Developing Nuclear Infrastructure for the Construction and Operation of a Nuclear Power Plant (Phase II)	To support Jordan's efforts on infrastructure development for the nuclear power plant (NPP) using the milestones approach.	Ongoing
	<b>KEN/2/006</b> Building Capacity for the Implementation of a Nuclear Power Programme by Developing Human Resources, Institutional Capacity and the Legal and Regulatory Framework	To supply reliable, quality and cost-effective electricity.	Ongoing
	<b>MAL/4/009</b> Building Capacities in Nuclear Power Programme Planning	To enhance the modelling and analytical capacity in Malaysia for energy-environmental-economics for sustainable national energy and nuclear power planning.	Completed
	<b>MAL/2/005</b> Strengthening National Capacity and Capability for Nuclear Power Programme Planning	To strengthen national capacity and capability building for planning and building a nuclear power infrastructure for Malaysia nuclear power projects	Ongoing
	<b>MEX/2/016</b> Evaluating the Effects of Extended Power Uprate for Applied License Renewal of LVNPP	To evaluate the effects of Extended Power Uprate (EPU) in the aging mechanisms of the structures, systems and components of LVNPP considering long-term operation to support license renewal, and to establish methodologies for the verification of applicable regulations.	Ongoing

	<b>NIR/4/009</b> Developing Capacities in Pre-Project Activities for Nuclear Power Projects		To build up the capacity in Nigeria to develop a long-term strategy for an optimal energy supply mix, including the evaluation of the role of nuclear power for future electricity generation.	Completed
	<b>POL/2/017</b> Supporting Nuclear Energy Infrastructure Development		To contribute to energy security and lower carbon energy mix in Poland through building the infrastructure for a nuclear power programme.	Ongoing
	<b>VIE/4/015</b> Developing Nuclear Power Infrastructure		To plan and develop a nuclear power infrastructure to meet requirements for the construction and operation of the first NPP in Vietnam.	Ongoing
	<b>VIE/2/010</b> Developing Nuclear Power Infrastructure – Phase II		To assist the development of a comprehensive infrastructure supporting the embarking on a Nuclear Power Programme in Vietnam. In the framework of the project the key aspects will be addressed for implementing the pertinent action plans in accordance with the INIR recommendations and the practical situation of Vietnam. Implementation of the current project and achievement of the objectives will lead to the fulfilment of Milestone 2 of nuclear power infrastructure development and establishment of Phase 3 of the National Plan.	Completed
	<b>VIE/2/012</b> Developing Nuclear Power Infrastructure (Phase III)		To support the development of comprehensive nuclear power infrastructure supporting the successful introduction of nuclear power in Vietnam. In the framework of the project, the key aspects will be addressed for implementing the pertinent action plans in accordance with INIR recommendations, the national action plan and the Integrated Work Plan (IWP) of Vietnam.	Ongoing

	<b>RAF/0/033</b> Increasing Awareness at Decision Making Level about the Requirements and Challenges Related to the Feasibility of a Nuclear Power Programme	To sensitize African Member States wishing to embark on nuclear power feasibility studies about the requirements, challenges and obligations related to such programmes.	Completed
	<b>RAF/2/010</b> Developing, Expanding and Reinforcing Energy Planning Capabilities including Nuclear Power (AFRA)	To support the development of energy planning capabilities and to provide training where the necessary infrastructure is already in place and there is visible support for the project from the Government. To expand skills by supporting the development of regional energy plans. To support tertiary institutions in AFRA countries with endeavours to establish and develop expertise in energy planning, by offering tuition and executing research in the area of energy planning. The placement of interns at the academic institutions would be an integral part of project.	Ongoing
	<b>RAF/9/045</b> Strengthening Regulatory Frameworks and National Infrastructures for the Control of Public Exposure and Radioactive Waste Management	To support the further development of national infrastructures for the control of public exposures. To provide and disseminate knowledge on radiation protection and their implementation for the specific needs and applications of ionizing radiation in African countries. To strengthen the capacity for operation of regulatory systems To support the implementation of radiation protection and waste management regimes.	Completed
	<b>RAS/0/053</b> Providing Decision Support for Nuclear Power Planning and Development	To enhance the understanding of Member States in the Asia-Pacific region of the range of issues and activities involved in the decision to plan and develop nuclear power programmes.	Completed
	<b>RAS/0/070</b> Providing Pre-Project Assistance	To assist the region in identifying appropriate project opportunities in support of government efforts to focus	Ongoing



		on nuclear technologies for development and in designing results-based projects for effective implementation.	
	<b>RAS/2/016</b> Supporting decision making for nuclear power planning and development - Phase II	To provide comprehensive information to Member States on the nuclear power to support their decision making in nuclear power planning and development.	New
	<b>RAS/9/054</b> Strengthening National Regulatory Infrastructure	To strengthen the remaining elements of the national regulatory framework for radiation safety through Agency support in compliance with the requirements of the international Basic Safety Standards, Legal and Governmental Infrastructure for Nuclear, Radiation, Radioactive Waste and Transport Safety (GS-R-I), and the provision of the Code of Conduct on the Safety and Security of Radioactive Sources through establishing a regional network of regulatory authorities to exchange information and share experiences.	Completed
	<b>RER/0/029</b> Supporting the Introduction of Nuclear Energy (Phase II)	To ensure that Member States in the Europe region have a complete understanding of the range of issues and activities involved in the introduction and expansion of nuclear power programme.	Completed
	<b>RLA/0/038</b> Supporting the Introduction of Nuclear Energy (ARCAL XCV)	To ensure that Member States in the Latin America region planning the introduction of nuclear energy commence with a complete understanding of the range of issues and activities that must be addressed before implementation of a nuclear power project.	Completed
	<b>INT/2/013</b> Supporting nuclear power infrastructure capacity building in Member States introducing and expanding nuclear power	(i) To enhance and harmonize capabilities on nuclear power introduction in newcomer countries, (ii) Assist in establishing a global network and forum for information exchange to new and expanding nuclear power	Ongoing

		programmes, share experience, capture, preserve and transfer knowledge related to Milestone issues and (iii) develop and make available to Member States, tools and specific training services and mechanisms for human resource development, integrated management systems and project management.	
	<b>INT/2/017</b> Capacity building in long-range strategic nuclear energy planning for global sustainability	To assist Member States in developing long-range national nuclear energy strategies for global sustainability through capacity building and global dialogue.	Completed
	Small and Medium Sized Reactor Development and Deployment for Developing Countries	To enable developing countries with small electricity grids to assess both the currently available SMR designs and those SMRs under development. It will consist of two parts. First, it will develop a toolkit for evaluating SMRs. Second, it will disseminate knowledge about SMRs and SMR experience through training workshops.	Ongoing
	Strengthening Support for Infrastructure Development for Nuclear Power	To facilitate the sharing of information and experience via workshops designed for countries considering or embarking on nuclear power programmes to develop and update guidance documents on comprehensive infrastructure topics, and to strengthen the INIR missions.	Completed
	Development of a Roadmap for Human Resources Development	To develop a human resource development (HRD) roadmap providing guidance for identification of HR needs, formulation of an integrated HR development plan, recruitment and selection, training, authorization/licensing and personnel development for countries considering or embarking on nuclear power.	Completed

	Developing Networks for Countries Embarking on Nuclear Power	To establish a web-based network for Member States introducing nuclear power to facilitate information exchange and 'soft coordination.'	Ongoing
	Strengthening Nuclear Power Infrastructure	To strengthen the ability of Member States, especially Governments, to undertake the careful planning and preparation required to develop a sustainable infrastructure for nuclear power, including preparing guidance documents and strengthening and improving the INIR missions. It is a follow-on to the project above titled "Strengthening Support for Infrastructure Development for Nuclear Power".	Ongoing
	Assisting newcomer States in the development of nuclear legislative infrastructure	To expand the Agency's legislative assistance to Member States introducing nuclear power.	Ongoing
	TM on the topic of human resource development for new and expanding nuclear power programme		Ongoing
	Strengthening the Capacities of Future Nuclear Power Owner-Operators	The project consists of five sub-projects: (1) to produce a report on how to do a feasibility study for a new nuclear power plant and provide associated training, (2) to complete a guidance document on assessing different reactor designs and selecting and providing associated training and simulation tools, (3) to produce guidelines for newcomer countries on the design review and management process of a nuclear power project during its implementation phases, (4) to help develop the organizations, processes, and procedures necessary for managing an overall nuclear power plant project, and (5) to use on-the-job mentoring to enhance safety assessment competency in countries introducing nuclear power.	Ongoing

	Member State assistance from Site Survey to Site Evaluation	To provide each participating Member State, at its request, assistance at any or all stages of the siting process.	Ongoing
	Development of Infrastructure for Emergency Preparedness and Response in Member States Starting with a Nuclear Power Programme – Part I(Phase 2)	To publish a document on <i>Emergency, Preparedness Considerations for Member States Embarking on a Nuclear Power Programme</i> , prepare training material, conduct workshops and offer missions to peer review existing national emergency preparedness and response infrastructures.	Completed
	E-learning Project on Nuclear Power Infrastructure Development	To introduce new techniques for delivering capacity building to meet the growing demands for sufficient numbers of adequately trained human resources in Member States starting nuclear power programmes. (first phase)	Completed
	Enhancing capacity building for the development of nuclear power infrastructure	To enhance the development of nuclear power infrastructure through capacity building. This project consists of three activities (A. second phase of e-learning, B. technology assessment and C. public information	Ongoing
	Capacity Building in Long-Range Strategic Nuclear Energy Planning for Newcomer and Developing Countries	To assist newcomer and developing Member States in developing national long range nuclear energy strategies as part of a globally sustainable nuclear energy system through capacity building, global dialogue and innovations	Ongoing
	Human Resource (HR) Development for New-Entrant Member States (MS)	To enable Member States to develop the human resources they need to be a 'knowledgeable customer' to implement a nuclear power programme	Ongoing

<b>Fuel Cycle</b>	<b>RAF/3/007</b> Strengthening Regional Capabilities for Uranium Mining, Milling, and Regulation or Related Activities	To strengthen the capabilities of Member States in the Africa region for an effective and efficient management of uranium resources and other radioactive ores, and to build the legislative framework to effectively regulate related activities.	Completed
	<b>RAF/2/011</b> Supporting Sustainable Development of Uranium Resources	To ensure balanced development of uranium resources in Africa by applying the good practices in uranium production cycle, from exploration to closure and remediation, which will contribute to the socioeconomic development of the region.	Ongoing
	<b>RLA/3/010</b> Regional Upgrading of Uranium Exploration, Exploitation, and Yellowcake Production Techniques Taking Environmental Problems into Account	To support Member States in the Latin America region to obtain self-supply of uranium for the nuclear plans in execution in an environmentally sustainable way, through upgrading of the uranium exploration, exploitation, and yellowcake production techniques in these countries.	Completed
	Coordinated Research Project on Spent Fuel Performance Demonstration	To develop a coordinated research project to assess the performance of spent fuel in storage in order to confirm the viability of extended storage and future transport.	Ongoing
	Supporting Sustainable Uranium Mining in Less Prepared Areas	To focus on practical implementation of sustainable uranium mining and processing operations in Africa in the context of the four cornerstones of sustainable development, namely, environment, social issues, economics and governance.	Ongoing
	Support to Asia-Pacific Region countries embarking upon uranium resource exploitation to introduce and develop good practice in all aspects of the uranium production cycle	This project is modelled on the successful regional projects in Europe, Africa and Latin America for training in good practices for uranium production.	Ongoing

	Uranium Mining and Remediation Exchange Group (UMREG)	UMREG is an informal group through which operators and regulators exchange information about the global uranium mining industry. PUI support will fund an annual meeting, including the costs of participants from least developed countries. The meetings will improve the dissemination of information to reduce poor environmental performance on uranium projects, increase the application of good practices, and improve skill levels for uranium mining and its regulation.	Ongoing
<b>Research Reactors</b>	<b>JOR/1/0/05</b> Enhancing National Capabilities for Safety Assessment and Effective Use of the Research Reactor	To enhance national capabilities needed for safety assessment and reviewing PSAR and to develop the skills and competence to achieve effective utilization of the research reactor.	Ongoing
	<b>RAS/1/018</b> Developing Human Resources for Safe Operation and Application of Nuclear Research Reactors in ARASIA Member States	To train and to develop technical and regulatory skills in the domain of nuclear safety and operation of nuclear research reactors.	Completed
	<b>RAS/1/019</b> Enhancing Safety and Utilization of Research Reactors	To enhance the safety and utilization of research reactors.	Ongoing
	<b>INT/1/056</b> Supporting Non-Highly Enriched Uranium (HEU) Molybdenum-99 Production Capacity for Nuclear Medicine Applications	To strengthen the supply and expanded use of Tc-99m in developing countries worldwide via the direct, coordinated, multi-regional deployment of demonstrated, non-HEU based Mo-99 production technologies.	Ongoing
	Increasing the Global Supply of Nuclear Education and Training Programs through Research Reactor Facilities	This project comprises three sub-projects to expand training and education. The first will work with selected research reactors operators to help develop regional training programmes; the second will link those who need training with those providing it by arranging comprehensive fellowships, and the third will create a	Ongoing

		‘virtual reactor’ in Latin America modelled on a successful project in 2010 that connected students in Jordan with North Carolina State’s research reactor through the Internet and video-conferencing.	
	Improving Research Reactor Safety, Availability and Reliability through Digital Instrumentation and Control (I&C) Systems Upgrades and On-Line Monitoring and Maintenance Techniques	To produce two ‘good practices’ documents, and manage a Coordinated Research Project to help Member States perform digital upgrades to aging analogue I&C systems and to introduce cutting edge on-line monitoring and maintenance techniques to support plant safety, availability and reliability.	Ongoing
	Supporting the Global Deployment of Mo-99 Production Capacity for Nuclear Medicine Applications without the Use of High Enriched Uranium (HEU)	To strengthen the supply and expanded use of Tc-99m in developing countries worldwide via (a) developing human resources and skills related to target irradiation and handling, radiochemical processing, Tc-99m generator production, supply logistics, and (b) waste management and the direct, coordinated, multi-regional deployment of demonstrated, non-HEU based Mo-99 production technologies	Ongoing
<b>Nuclear Safety</b>	<b>ARM/9/020</b> Strengthening Nuclear and Radiation Infrastructure in Armenia	To improve the nuclear regulatory regime in Armenia by strengthening the capability of the Armenian Nuclear Regulatory Authority to fulfil its regulatory functions.	Completed
	<b>ARM/9/022</b> Monitoring the Current Condition of the Armenian Nuclear Power Plant’s Vital System, Structures and Components(SSC) and Assessing its Residual Lifetime	To improve nuclear safety of the Armenian nuclear power plant (ANPP) by implementing upgraded ageing management at the ANPP and introducing integrity analysis for main components and piping systems.	Completed
	<b>ARM/9/025</b> Upgrading National Nuclear Regulatory Infrastructure	To upgrade the national nuclear regulatory infrastructure in Armenia to establish a high level of safety in the nuclear energy field.	Ongoing

	<b>ARM/9/026</b> Strengthening Nuclear Power Plant Operational Safety In Line with International Practices	To upgrade the operational safety level to ensure the reliable, safe and long term operation of the Armenian nuclear power plant.	Ongoing
	<b>CMR/9/005</b> Upgrading Radiation Protection Infrastructures to Ensure the Implementation of Radiation Protection Milestones 1 and 2, Taking Into Account the Protection Against NORMs	To ensure the implementation of radiation protection Milestones 1 and 2, taking into account the protection against NORMs.	Ongoing
	<b>JOR/9/010</b> Strengthening the Regulatory Capability of the Jordan Nuclear Regulatory Commission (JNRC)	Enhancing the Capability of the Jordan Nuclear Regulatory Commission for the licensing and regulatory control of nuclear installations and activities, in accordance with international codes, standards and practices.	Ongoing
	<b>KAM/9/002</b> Building Capacity in Radioactive Waste Management	To strengthen capabilities for safe management of radioactive waste in Cambodia. To provide information and options to decision makers and the Ministry of Environment for implementing radioactive waste management to sustain environmental protection and natural resource management.	Ongoing
	<b>KAZ/9/010</b> Supporting Upgrades and Conversion of WWR-K Reactor to Low Enriched Uranium Fuel	To support the fuel conversion from high to low enriched uranium and upgrades of safety and the associated critical facility at research reactor WWR-K in Kazakhstan.	Completed
	<b>MON/9/007</b> Upgrading Regulatory and Radiation Protection Technical Capabilities	To improve the effectiveness of regulatory control and expand the technical capabilities of the supportive laboratory.	Ongoing
	<b>NER/9/011</b> Strengthening National Capacity for Remediation of Uranium Mining Sites to Ensure Long-Term Safety and Public Health at the End of	To ensure the long term safety and health of populations living near uranium mining sites at the end of	Ongoing



	Operations	operations.	
	<b>SAF/9/005</b> Strengthening Regulatory Infrastructure	To implement the identified activities to ensure compliance with IAEA standards and international best practices. To contribute to the development and strengthening of regulatory infrastructure and human capacity. To contribute to the licensing and expanded use of nuclear and radiation applications such as uranium mining and milling, new build, production of radioisotopes, and waste disposal facilities.	Ongoing
	<b>VIE/9/015</b> Strengthening the National Infrastructure and Capacity for Regulating the First Nuclear Power Programme	To strengthen the technical capacity of the regulatory body and improve the legal and technical framework for regulating the first nuclear power programme of Vietnam.	Ongoing
	<b>RAF/9/038</b> Promoting Self-Assessment of Regulatory Infrastructures for Safety and Networking of Regulatory Bodies in Africa	To enhance and continuously improve the performance of regulatory systems of Member States in the Africa region and conform to the requirements of international standards through self-assessment and enhanced regional cooperation.	Completed
	<b>RAF/9/042</b> Sustaining the Regulatory Infrastructure for the Control of Radiation Sources	The objective is to promote and maintain an effective and sustainable regulatory infrastructure for safety of radiation sources in accordance with the relevant IAEA safety standards and guidance (including BSS, GSR-Part 1, the Code of Conduct on the Safety and Security of Radioactive Sources, and the Guidance on the Import and Export of Radioactive Sources) building on the existing achievements, identifying and filling gaps, enhancing the effectiveness and sustainability of the regulatory programme.	Ongoing

	<b>RAF/9/054</b> Strengthening Radioactive Waste Management (AFRA)	To strengthen radioactive waste management in Africa, with AFRA strengthening the current capabilities through technical assistance in some areas.	Ongoing
	<b>RAF/9/047</b> Strengthening and Harmonizing National Capabilities to Respond to Nuclear and Radiological Emergencies	The main objective of the project is to further strengthen and harmonize the MSs' national arrangements for response to radiological and nuclear emergencies and to improve their compliance with the international standards (GS-R-2), with special emphasis on addressing the specific needs of the countries with "high-priority" tasks in the area of emergency preparedness and response, while supporting the maintenance of high performance in all project MSs.	Completed
	<b>RAF/9/048</b> Strengthening Education and Training Infrastructure, and Building Competence in Radiation Safety (AFRA)	To strengthen radiation safety through the development of sustainable and effective education and training programmes in radiation safety that are based on identified needs, and by developing national and regional expertise in radiation safety	Ongoing
	<b>RAF/9/049</b> Enhancing and Sustaining the National Regulatory Bodies for Safety (AFRA)	To enhance regulatory infrastructure, sustainability and cooperation among national regulatory bodies.	Ongoing
	<b>RAF/9/051</b> Strengthening the Regulatory Framework and National Infrastructure for Safe Management of Radioactive Waste and Protection of Public and Environment	To improve waste and radiation safety in Member States in order to mitigate the risks of public exposure.	Ongoing
	<b>RAF/9/052</b> Strengthening and Harmonizing National Capabilities for Response to Radiation Emergencies	To further strengthen and harmonize Member State national arrangements for response to radiological and nuclear emergencies and to improve their compliance with the international standards (GS-R-2), with special emphasis on the priority fields of the 'high-need' countries in the area of emergency preparedness and	Ongoing

		response, while supporting the maintenance of high performance in all project Member States	
	<b>RAF/9/053</b> Strengthening Technical Capabilities for Patient and Occupational Radiation Protection in Member States	To establish mechanisms to deal with issues of medical radiation protection that is common to Member States in compliance with requirements of the new International Basic Safety Standards (BSS).	Ongoing
	<b>RAF/9/054</b> Strengthening Radioactive Waste Management (AFRA)	To strengthen radioactive waste management in Africa, with AFRA strengthening the current capabilities through technical assistance in some areas.	Ongoing
	<b>RAS/9/054</b> Strengthening National Regulatory Infrastructures	To build capacity of Member States in the Asia Pacific region in regulatory infrastructure for the control of radiation sources and radiation practices.	Completed
	<b>RAS/9/062</b> Promoting and Maintaining Regulatory Infrastructures for the Control of Radiation Sources	To upgrade regulators infrastructure in the Asia and Pacific region for the safe control of radioactive sources.	Ongoing
	<b>RAS/9/064</b> Strengthening the Transfer of Experience Related to Occupational Radiation Protection in the Nuclear Industry and Other Applications Involving Ionizing Radiation	To strengthen the transfer of experience in order to improve occupational radiation protection.	Ongoing
	<b>RAS/9/067</b> Strengthening an Effective Compliance Assurance Regime for the Transport of Radioactive Material	To ensure the safe transport of radioactive material through an effective compliance assurance regime.	Ongoing
	<b>RAS/9/068</b> Strengthening and Harmonizing National Capabilities for Response to Nuclear and Radiological Emergencies	To strengthen and harmonise the capabilities for responding to nuclear and radiological emergencies.	Ongoing
	<b>RAS/9/069</b> Harmonizing Approaches and Measures for Radiation Protection of the Public and the Environment in Line with the International Safety	To harmonise the approaches and measures for the radiation protection of public and environment.	Ongoing

	Standards		
	<b>RER/9/111</b> Establishing a Sustainable National Regulatory Infrastructure for Nuclear and Radiation Safety	To achieve and maintain effective sustainable regulatory infrastructures in European Member States for nuclear and radiation safety in accordance with relevant IAEA safety standards and guidance aimed to enhance effectiveness of the regulatory programmes.	Ongoing
	<b>RLA/9/064</b> Strengthening National Infrastructures for the Control of Radiation Sources	To improve the operational national regulatory infrastructure of Latin American Member States for the control of radiation sources to ensure the protection of people and the environment against the adverse effects of ionizing radiation.	Completed
	<b>RLA/9/068</b> Strengthening the National Infrastructure and Regulatory Framework for the Protection of Public and the Environment for Safe Management of Radioactive Waste	To strengthen the regulatory infrastructure to ensure that practices and activities involving the generation and management of radioactive wastes is conducted in a safe manner ensuring high degree of protection of public and the environment and in accordance with international safety standards.	Completed
	<b>RLA/9/076</b> Strengthening of National Capabilities for Response to Radiation Emergencies	To reduce the number of affected and exposed people in the event of radiological and/or nuclear emergencies, including first responders as well as the general public. To reduce the gravity of radiological injuries in the event of radiological and/or nuclear emergencies through the establishment and/or improvement of proper and adequate mechanisms for responding to radiological and nuclear emergencies throughout the region.	Ongoing
	<b>RLA/9/078</b> Enhancing the National Regulatory Framework and Technological Capabilities for Radioactive Waste Management	To enhance effective regional capabilities for safety and technical quality management of radioactive waste to protect people and environment in Latin American	Ongoing

		Countries.	
	<b>RLA/9/079</b> Enhancing Governmental and Regulatory Safety Infrastructure to Meet the Requirements of the New IAEA Basic Safety Standards	To reinforce the regulatory infrastructures for nuclear safety and radiation protection of Member States in Latin America and the Caribbean, so they are adequate, sustainable and efficient and fulfil the provisions of the revised international IAEA Basic Safety Standards (BSS) in order to ensure protection of people and the environment against adverse effects of ionizing radiation.	Completed
	<b>RLA/9/080</b> Enhancing Nuclear Power Plant Life Management and Safety Culture Practices	To enhance plant life management and safety culture practices in the nuclear power plants of Latin America.	Ongoing
	<b>INT/9/175</b> Promoting safe and efficient clean-up of radioactively contaminated facilities and sites	To provide support and assistance for the efficient clean-up of radioactive contaminated facilities and sites.	Ongoing
	<b>INT/9/176</b> Strengthening Cradle-to-Grave Control of Radioactive Sources in the Mediterranean Region	To ensure an adequate and permanent control over radioactive sources at State level, benefiting from the use of a harmonized regional approach consistent with IAEA safety standards and other international best practice.	Completed
	Design Safety Assessment of Operating Facilities against extreme hazards	<ol style="list-style-type: none"> <li>1) To establish a methodology for undertaking a systematic assessment of the impact of site specific severe external events on NPPs and the evaluation of available safety margins in response to hazards;</li> <li>2) To make available peer review guidelines and self-assessment tools for applying the methodology;</li> <li>3) To establish a peer review process for request or use by Member States</li> </ol>	Ongoing
	Enhancing the operational safety review services for nuclear power plants	<ol style="list-style-type: none"> <li>1) To improve the service of the Operational Safety Review Team (OSART), revising the IAEA OSART guidelines and incorporating the lessons learned from the Fukushima Daiichi accident, in particular</li> </ol>	Ongoing

		<p>on severe accident management.</p> <p>2) To make available revised OSART guidelines and relevant training materials to support plant self-assessment of NPP Operational Safety</p>	
	Identifying Safety and Regulatory Implications from the Fukushima Accident on IAEA Safety Standards and Safety Services	<p>1) To provide for effective, improved national regulatory infrastructures, on the basis of the lessons learned from the Fukushima Daiichi accident;</p> <p>2) To provide for an enhanced Integrated Regulatory Review Service for Member States, both in what concerns the methodology and content of the review service, on the basis of lessons learned from the Fukushima Daiichi accident;</p> <p>3) To provide for improved IAEA Safety Guides series for regulatory activities, for the use of Member States, in the light of the lessons learned from the Fukushima accident;</p> <p>4) To provide for enhanced guidance for helping Member States embarking on nuclear power to establish their safety infrastructure, in the light of the Fukushima Daiichi accident.</p>	Ongoing
	Enhancing the Safety Assessment Capability and Oversight of Nuclear Installations	<p>1) To provide for enhanced technical competency in safety assessment for regulatory body of recipient country;</p> <p>2) To foster improved understanding of safety principles and safety assessment methods to support risk informed decision making.</p>	Ongoing
	Practical intervention techniques to reduce public doses at uranium mining and milling legacy sites	<p>1) To provide regulators in African countries and other affected Member States with uranium legacy sites, with the knowledge to develop and implement site specific, low-cost mitigation techniques to protect the public through the development of specialized training material. The measures to be considered will comprise simple administrative, physical and engineering controls that can be used to reduce doses to members of the public living close to these</p>	Ongoing

		<p>uranium legacy sites.</p> <p>2) To foster an enhanced transfer of knowledge of potential risks to the public, low-cost/quick-fix mitigation options for the management of legacy sites to reduce public exposure now and in the future.</p> <p>3) To foster improved safety of legacy sites, which will contribute to increased protection of the public and a reduction in future legacy issues in the longer term.</p>	
	Review of remediation plans and activities for uranium mining and milling sites	<p>1) To provide for a transfer of knowledge to regulators regarding the regulatory oversight of the remediation of operating and legacy uranium producing operations to provide for long-term safety, through the development of specialized training material.</p> <p>2) To support regulators with regard to an improved long-term regulatory oversight of the remediation of operating uranium mines over the next 10-15 years and a reduction in future legacy issues.</p>	Ongoing
	Development of reference regulations for decommissioning	To foster enhanced capabilities of Member States in the development of national decommissioning regulations based on reference regulations. The Member States' capabilities to regulate the implementation of safe and efficient decommissioning will be strengthened by the use of reference regulations, which will be based on international safety standards and good practices.	Ongoing
	Occupational radiation protection and risk management for NPPs	<p>1) To foster strengthened occupational radiation protection during the decommissioning of NPPs, facilities with radioactive material and remediation activities under the consideration of all occupational risks.</p> <p>2) To establish a coherent approach to managing occupational exposure and other risks (e.g. industrial hazards) in the decommissioning of NPPs to optimize consideration of all risks.</p>	Ongoing

	Strengthening occupational radiation protection at future intensified activities to improve safety within nuclear facilities	<ol style="list-style-type: none"> <li>1) To foster strengthened occupational radiation protection in NPPs, since the results of stress tests may require more inspections, plant maintenance and modifications in work areas with high radiation fields.</li> <li>2) To foster improved and harmonized national programmes for occupational radiation protection, and policies and procedures for monitoring and control of itinerant workers.</li> </ol>	Ongoing
	Strengthening of an effective compliance assurance regime in transport of radioactive material in the European Southern neighbourhood region (Mediterranean Sea) and associated shipping states	<ol style="list-style-type: none"> <li>1) To establish a sustained mechanism for collaboration between Member States in the region which includes a system of mutual support, cooperation and coordination in the safe transport of radioactive material.</li> <li>2) To provide for harmonized provisions with regard to the EC directives and the relevant IAEA Safety Standards.</li> </ol>	Ongoing
	Strengthening Justification in Diagnostic Imaging for Patients in Asia and the Pacific Region	<ol style="list-style-type: none"> <li>1) To strengthen the justification in diagnostic imaging, through region specific training courses for referring medical practitioners and radiological medical practitioners, as well as regulatory authorities and other stakeholders, in order to build awareness of the issues with unnecessary diagnostic imaging and measures to strengthen justification, including long-term tracking of patient exposures.</li> <li>2) To provide for a harmonized methodology for Asia and the Pacific region by further developing region-specific referral guidelines by national and regional medical professional bodies, and strengthening of justification in diagnostic imaging through development of training material and promotional material on these issues.</li> </ol>	Ongoing
<b>Other</b>	<b>GUA/0/009</b> Enhancing Human Resources and Technical Support for the Application of Nuclear	To improve and strengthen the skills and capabilities of human resources and provide technical support in the	Ongoing



	Technologies	application of nuclear technologies in key priority fields.	
	PUI Outreach Activities	To enhance outreach efforts to highlight the work carried out by the IAEA with PUI Contributions from Member States	Ongoing
	<b>RAF/0/0038</b> Promoting Technical Cooperation Among Developing Countries (TCDC) in Africa through Triangular Partnerships (AFRA)	To enhance regional self-reliance and sustainability in the utilisation of nuclear techniques through TCDC	Ongoing
	<b>RAS/0/068</b> Enhancing the Management of the Regional Agreement and Programme (RCA)	To enhance the regional ownership of the RCA programme through support for RCA management and coordination activities.	Ongoing
	<b>RER/0/0035</b> Supporting Enhanced Sustainability of Programme Activities	To meet high priority unforeseen needs of Member States not covered in specific on-going national or regional projects.	Ongoing
	<b>RLA/9/073</b> Supporting Human Resource Development in Nuclear Security	To strengthen human resources in nuclear security and to enhance prevention capabilities at facilities housing nuclear and other radioactive materials, as well as detection and responding capabilities at borders and other check points in the region of Latin America.	Ongoing
	<b>RLA/0/0052</b> Strengthening the Planning, Design and Review of the Programme to Support the Implementation of Strategic Activities for Nuclear Technology and its Applications	To contribute to the socio-economic development needs of the Member States of the region through the peaceful uses of the nuclear technology.	Completed
	Renovation of the Nuclear Applications Laboratories ( <b>ReNuAL</b> )	To deliver efficient, fit-for-purpose laboratories able to share the benefits of nuclear sciences and applications with Member States.	Ongoing
	<b>INT/0/090</b> Overall Action Monitoring and Reporting – EC-IAEA Contribution Agreement	To support the implementation of the Action through effective monitoring and reporting mechanisms to the	Ongoing

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