

AFRA REGIONAL TRAINING COURSES – 2021

	PROJECT NUMBER & TITLE OF EVENT	PURPOSE	LOCATION	START DATE	END DATE
1	RAF6057: Regional (AFRA) Training Course for Nuclear Medicine physicians in Management and Leadership Priorities (in English)	The purpose of the training is to train Nuclear Medicine (NM) Senior Managers and NM Department Heads in innovative management & leadership approach focusing on their needs and developing countries realities	Pretoria, South Africa	12/04/2021	16/04/2021
2	RAF6057: Regional (AFRA) Training Course for Nuclear Medicine Technologists in Cardiology Aspects for French-speaking Countries	The purpose of the training course is to train Nuclear Medicine Technologists on principles and application of Nuclear Cardiology (in French)	Tunisia, Tunis	06/09/2021	10/09/2021
3	RAF6057: Regional (AFRA) Training Course for Nuclear Medicine Technologists in Cardiology Aspects for English-speaking Countries	The purpose of the training course is to train Nuclear Medicine Technologists on principles and application of Nuclear Cardiology (in English)	Tanzania, Dar es Salaam	06/09/2021	10/09/2021
4	RAF6057: Regional (AFRA) Training Course for Nuclear Medicine physicians in FDG PET/CT Aspects (in English)	The purpose of the training course is to train Nuclear Medicine Physicians on "Practical FDG PET/CT: What You Need to Know in clinical settings"	Vienna, Austria	22/08/2021	26/08/2021
5	RAF9066: Regional (AFRA) Training Course - School of Radiation Emergency Management (French)	To train participants in the development and management of sustainable emergency preparedness and response (EPR) programmes, based on the IAEA safety standards, technical guidelines, EPR tools and training materials	Rabat, Morocco	05/04/2021	23/04/2021
6	RAF9066: Regional (AFRA) Train-the-Trainers Course on First Response to a Radiological Emergency	To establish a cadre of qualified lecturers to deliver national training courses on First Response to Radiation Emergencies in the region.	Vienna, Austria	28/06/2021	02/07/2021
7	RAF9067: Regional (AFRA) Training Course - Postgraduate Educational Course	To meet the educational and initial training requirements of graduate level staff earmarked for	Nairobi, Kenya	18/10/2021	31/03/2022

	(PGEC) in Radiation Protection and the Safety of Radiation Sources for English-speaking countries.	positions in radiation protection, including health physics in African Member States.			
8	RAF9067: Regional (AFRA) Training Course - Postgraduate Educational Course (PGEC) in Radiation Protection and the Safety of Radiation Sources for French-speaking countries.	To meet the educational and initial training requirements of graduate level staff earmarked for positions in radiation protection, including health physics in African Member States.	Algiers, Algeria	18/10/2021	31/03/2022
9	RAF9062: National Training on Demonstration Operation on Conditioning and Storage of Neutron and Low Activity Sources (AFRA)	To provide the practical hands-on experience on the recovery and conditioning of low level radioactive waste sources to technicians and waste operators in Nigeria.	Nigeria, Zaria	08/03/2021	12/03/2021
10	RAF9062: Regional Training on Demonstration Operation on Conditioning and Storage of Neutron and Low Activity Sources (AFRA)	To provide the practical hands-on experience on the recovery and conditioning of low level radioactive waste sources to technicians and waste operators on the regional level.	Addis Ababa, Ethiopia	14/06/2021	18/06/2021
11	RAF9062: Regional Training on Demonstration Operation on Conditioning and Storage of Neutron and Low Activity Sources (AFRA)	To provide the practical hands-on experience on the recovery and conditioning of low level radioactive waste sources to technicians and waste operators on the regional level.	Morocco, Rabat	05/07/2021	09/07/2021
12	RAF9062: Regional Training on Demonstration Operation on Conditioning and Storage of Neutron and Low Activity Sources (AFRA)	To provide the practical hands-on experience on the recovery and conditioning of low level radioactive waste sources to technicians and waste operators.	Cameroon, Yaounde	17/08/2021	21/08/2021
13	RAF9061: RTC of Safety assessment of facilities and activities (medical and industrial facilities)	The purpose of the event is to train the regulatory staff on safety assessment requirements for radiation facilities and activities based on the IAEA Safety	Port Louis, Mauritius	06/09/2021	10/09/2021

		Standards Series on safety assessment for all facilities and activities.			
14	RAF9061: RTC on Licensing and review and assessment of radiotherapy facilities (Linacs and radioactive sources)	The purpose of the event is to train the regulatory staff and build RBs capacity on the establishing and implementing an authorization and review and assessment system for radiotherapy facilities using Linear Accelerators and/or radioactive sources	Casablanca, Morocco	21/06/2021	25/06/2021
15	RAF9065: Regional Training Course Organization and Implementation of a National Regulatory Programme for the Control of Radiation Sources	The purpose of the event is to train the regulatory staff on safety assessment requirements for radiation facilities and activities based on the IAEA Safety Standards Series on safety assessment for all facilities and activities.	Addis Ababa, Ethiopia	31/05/2021	25/06/2021
16	RAF9058: Regional Training Course on Regulatory Enforcements	The purpose of the training course is to: (i) provide the trainees with the information necessary for regulatory enforcement to be implemented for effective control of radiation facilities and activities and to ensure the safety of workers, public and the environment. (ii) develop enforcement policy and procedures as part of the regulatory programme. (iii) assist the regulatory body to implement a graded approach on enforcement decisions commensurate with the severity of non-conformances and the conformance history of the authorized party	Cairo, Egypt	14/06/2021	18/06/2021
17	RAF5081: Regional (AFRA) Training Course on Best Soil, Nutrient and Water Management Practices for Cassava Using Isotopic and	To provide training on the use of isotope and related conventional techniques for improving soil fertility management and enhancing climate change	Seibersdorf, Austria	17/05/2021	28/05/2021

	Related Techniques	resilience under cassava production systems in Sub-Saharan Africa			
18	RAF9068: Regional (AFRA) Training Course on Equipment Maintenance, Repair and Calibration for All Systems in the Dosimetry Lab (English)	To provide practical training and to develop participants' skills in maintenance and troubleshooting of radiation monitoring instruments, incl. TLD-Based personnel monitoring equipment.	Algiers, Algeria	07/06/2021	11/06/2021
19	RAF9068: Regional (AFRA) Training Course on Individual Monitoring for External Radiation (including DMS and NDR)	To provide a training for the professionals in the dosimetry service laboratories, to enhance the capability of individual monitoring in the region. The Dose Management System (DMS) and National Dose Registry (NDR) system will also be introduced and demonstrated during the event.	Tunis, Tunisia	08/08/2021	12/08/2021
20	RAF9068: Regional (AFRA) Training Course to Establish and Implement a QMS	To support the Member States in the region for the establishment of the quality management system in the radiation safety technical service laboratories, to enhance the quality of the technical services and to provide a forum to exchange experiences on occupational Radiation Protection in the region.	Rabat, Morocco	05/09/2021	09/09/2021
21	RAF6055: RTC on optimizing 3D radiotherapy for English-speaking countries	To optimise selection of patients, planning, treatment delivery and quality control in relation to 3D conformal radiotherapy.	Arusha, Tanzania	14/06/2021	18/06/2021
22	RAF6055: RTC on 3D Brachytherapy in gynae for English-speaking countries	To teach radiation oncologists and medical physicists from English-speaking participating Member States 3D brachytherapy for gynaecological malignancy.	Lusaka, Zambia	12/07/2021	16/07/2021
23	RAF6055: RTC on 3D Brachytherapy in gynae for French-speaking	To teach radiation oncologists and medical physicists from French-	Rabat, Morocco	06/09/2021	10/09/2021

	countries	speaking participating Member States 3D brachytherapy for gynaecological malignancy.			
24	RAF6055: RTC on quality audits for English-speaking countries	RTC on quality audits for English-speaking countries	IAEA - Seibersdorf	16/08/2021	20/08/2021
25	RAF6055: RTC on quality audits for French-speaking countries	RTC on quality audits for French-speaking countries	IAEA - Seibersdorf	04/10/2021	08/10/2021
26	RAF6056: RTC for Radiation Therapy Technology trainers from schemes which have been audited	To review the strengths and commonest weaknesses observed during appraisals of RTT training schemes in African member states and to 'train trainers' in optimising their curricula and delivering robust, competency based training	Harare, Zimbabwe	18/10/2021	22/10/2021
27	RAF6055: RTC Train-the-Trainer on how to set up a clinical training	To support the introduction of new structured and supervised clinical training programmes for medical physics according to the AFRA syllabus and to strengthen existing programmes in Africa.	Nairobi, Kenya	07/06/2021	09/06/2021
28	RAF5083: Regional (AFRA) Training Course on Statistically Rigorous, Pre-field and Field Screening to Select Improved Mutant Lines	The purpose of the event is to enhance participants' capacities on statistically rigorous, pre-field and field screening to select improved mutant lines.	Dakar, Senegal (Possible to do Virtualy)	10/05/2021	21/05/2021
29	RAF5083: Regional (AFRA) Training Course on mutation breeding in vegetatively propagated crops, including micropropagation using cell/tissue culture, mutation induction and selection.	The purpose of the event is to enhance participants' capacities on in crop improvement of vegetatively propagated crops, especially the underutilised crops of Africa including cassava, sweet potato and other roots and tubers. Tehcniques include cell and tissue culture, regeneration and mutation induction.	Ibadan, Nigeria (IITA HQ) or Nairobi, Kenya (ILRI-BecA)	09/08/2021	21/08/2021
30	RAF5083: Regional (AFRA) Training Course on molecular breeding and marker-assisted selection	The purpose of the event is to impart capacities in basic molecular biology skills, discovery of markers, application of markers and	Nairobi, Kenya (ILRI-BecA)	01/11/2021	12/11/2021

		basic bio-informatic analysis			
31	RAF5079: National Training Course on Agricultural Water Management and Soil Water Measurement	The purpose of the event is to deliver a 5-day National Training Course on Agricultural water management and soil water measurement.	Gaborone, Botswana	12/04/2021	16/04/2021
32	RAF5079: Regional (AFRA) Training Course on Use of Telecommunication, ICT, weather data and model integration for weather forecasting	The purpose of the event is to demonstrate how weather data, satellite imaging, GPS and computer modelling can be used to forecast and predict future weather conditions for climate-smart agricultural practices.	Addis Ababa, Ethiopia	14/06/2021	25/06/2021
33	RAF5079: National Training Course on the Use of Isotopes to Identify the Source of Pollutants in Agro-ecosystems	The purpose of the event is to deliver a 5-day National Training Course (NTC) in CNESTEN, Morocco on the use of environmental isotopes and geochemistry on surface water and groundwater agro-contamination to identify the origin of pollutants.	Rabat, Morocco	19/04/2021	23/04/2021
34	RAF9064: Regional (AFRA) Training Course to Train in the Methodology to Establish Diagnostic Reference Levels	To strengthen knowledge on and skill in the methodology to establish National Diagnostic Reference Levels.	Tunisia, Tunis	07/06/2021	11/06/2021
35	RAF9064: Regional (AFRA) Training Course for Radiographers in Radiation Protection of Paediatric Patients	To strengthen Member States' capabilities to implement International Basic Safety Standards in diagnostic and interventional radiology.	Mozambique, Maputo	24/05/2021	28/05/2021
36	RAF9064: Regional (AFRA) Training Course to Train the Trainers in Safety Culture	To strengthen capacity in Member States for training of trainers in safety culture.	United Republic Of Tanzania, Dar es Salaam	01/03/2021	05/03/2021
37	RAF6053: Regional (AFRA) Training Course to Train the Trainers in NM QC/QA and Analysis of the Results	To train participants (medical physicists) on the procedures for performing QC tests and analysing the results for gamma cameras and SPECT.	Tunis, Tunisia	20/09/2021	24/09/2021
38	RAF6053: Regional (AFRA) Training Course to Train the Trainers in	To train participants (medical physicists) on the procedures for performing	Accra, Ghana	27/09/2021	01/10/2021

	Imaging QC/QA and Analysis of the Results	QC tests and analysing the results for main radiology modalities (Radiography, fluoroscopy, CT).			
39	RAF6053: Regional (AFRA) Training Course on QA/QC protocols (English)	To train participants (medical physicists) on the procedures for performing QC tests and analysing the results for main radiology modalities (Radiography, fluoroscopy, CT).	Lagos, Nigeria	11/10/2021	15/10/2021
40	RAF6053: Regional (AFRA) Training Course on QA/QC protocols (French)	To train participants (medical physicists) on the procedures for performing QC tests and analysing the results for main radiology modalities (Radiography, fluoroscopy, CT).	Rabat, Morocco	11/10/2021	15/10/2021
41	<u>RAF5082: Virtual Regional Training Course on i-VetNet</u>	To allow starting gathering data for MSs ISO accreditation as well as for the BS&S declaration		2021/06/07	2021/06/11
42	RAF5082: Regional Training Course on Bio-safety and -security; Basic concepts and their implementation. Risk-based assessment of bio-security needs. (<u>English-speaking edition</u>)	To train MSs in basic concepts of BS&S and their implementation	Gaborone, Botswana	2021/06/07	2021/06/11
43	RAF5082: Regional Training Course on Bio-safety and -security; Basic concepts and their implementation. Risk-based assessment of bio-security needs. (<u>French-speaking edition</u>)	To train MSs in basic concepts of BS&S and their implementation	Lubumbashi, D.R. Congo or Adidjan, Cote d'Ivoire or Niamey, Niger	2021/06/07	2021/06/11
44	RAF1008: Group Fellowship Training I	TO acquire a detailed understanding of nuclear instrumentation, nuclear electronics and analog signal processing, as well as to develop maintenance, troubleshooting and repair capabilities in nuclear instrumentation for engineers, technicians and researchers	Birnie	2021/02/15	2021/03/26

45	RAF1008: Group Fellowship Training II	To acquire a detailed understanding of nuclear instrumentation, nuclear electronics and analog signal processing, as well as to develop maintenance, troubleshooting and repair capabilities in nuclear instrumentation for engineers, technicians and researchers	Vienna (Seibersdorf)	2021/05/04	2021/07/09
46	RAF1008: Theoretical and practical basis of the use of Gamma-Scanning in industry	To impart foundational knowledge and hands-on skills on gamma radiography as an important NDT method	Rabat, Morocco	2021/10/11	2021/10/15
47	RAF7017: Training on determination of radium isotopes (Ra-226 and Ra-228) by alpha and gamma spectrometry	To provide theoretical and practical fundamental on the determination of Radium isotopes using Alpha and Gamma Spectrometry	Cairo, Egypt	2021/06/14	2021/06/18
48	RAF7017: Regional Training Course on In-Situ Gamma	To provide theoretical and hands-on practical training in the area of in-situ gamma ray spectrometry with emphasis on basic principles of this measurement technique and their applications	Tunis, Tunisia (if equipment becomes operational);	2021/09/06	2021/09/10
49	RAF9063: Virtual Regional Training Course on Safe Transport of Radioactive Material	To provide training on the IAEA's "Regulations for the Safe Transport of Radioactive Material" to members of Competent Authorities who are responsible for ensuring implementation of and compliance with IAEA and other international transport safety requirements		2021/01/19	2021/01/29
50	RAF9063: Regional Training Course on EPR response to transport incidents and emergencies	To enhance emergency and preparedness response capabilities of transport regulators in handling transport emergencies and incidents	Khartoum, Sudan; Dar es Saalam, URT	2021/05/11	2021/05/15
51	RAF5084: Regional (AFRA) Training Course on ISO/IEC 17043 (logistical	The purpose of the event is to enhance MSs knowledge on quality management based on ISO/IEC 17043	Kampala, Uganda	15/11/2021	19/11/2021

	arrangements)	and requirements for provision of PTs.			
52	RAF5084: Regional group training to enhance capability to generate national/regional data on food contaminants	The purpose is to enhance regional capabilities to produce reliable scientific data to facilitate risk management decision and standard setting related to Fisheries products (other foods/products to follow)	Dakar, Senegal (Alternative:Maputo, Mozambique)	06/12/2021	10/12/2021