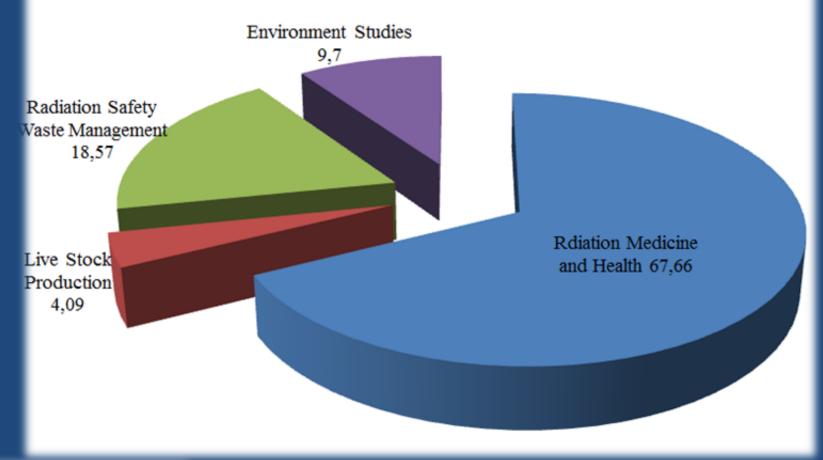


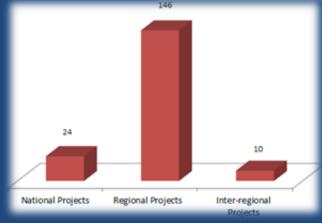






National Projects from 2005 to 2017 (%)











Sixty years and beyond: Contributing to development

30 May–1 June 2017 Vienna, Austria



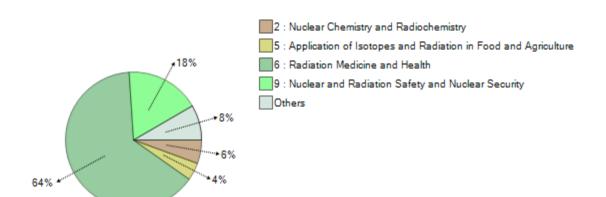




Fellows and Scientific visitors with nationality: Bosnia and Herzegovina

Show sub field of activity

Field of Activity	Fellows	Scientific visitors	Total
0 : General Atomic Energy Development	0	3	3
1 : Nuclear and Atomic Physics	0	3	3
2 : Nuclear Chemistry and Radiochemistry	6	6	12
3 : Fuel Cycle and Waste Management	1	0	1
4 : Nuclear Engineering and Technology	4	0	4
5 : Application of Isotopes and Radiation in Food and Agriculture	7	2	9
6 : Radiation Medicine and Health	102	36	138
7 : Application of Isotopes and Radiation in Biology and Environmental Studies	1	0	1
8 : Isotope Hydrology and Applications of Isotopes and Radiation in Industry	6	0	6
9 : Nuclear and Radiation Safety and Nuclear Security	13	25	38
Total	140	75	215







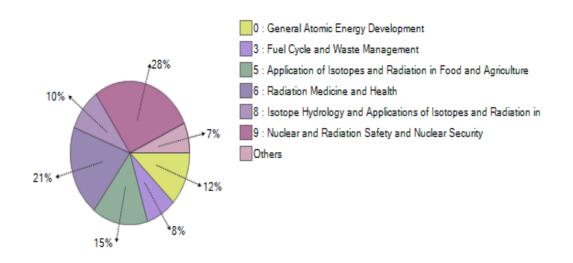




Experts where duty country is Bosnia and Herzegovina

Show sub field of activity

Field of Activity	International experts	National experts	Meeting participants	Total
0 : General Atomic Energy Development	29	4	20	53
1 : Nuclear and Atomic Physics	9	0	0	9
2 : Nuclear Chemistry and Radiochemistry	9	0	0	9
3 : Fuel Cycle and Waste Management	11	0	25	36
4 : Nuclear Engineering and Technology	3	0	0	3
5 : Application of Isotopes and Radiation in Food and Agriculture	13	0	53	66
6 : Radiation Medicine and Health	70	0	20	90
7 : Application of Isotopes and Radiation in Biology and Environmental Studies	2	0	7	9
8 : Isotope Hydrology and Applications of Isotopes and Radiation in Industry	12	1	29	42
9 : Nuclear and Radiation Safety and Nuclear Security	67	0	55	122
Total	225	5	209	439





Preventing Brucellosis in Bosnia and Herzegovina

The economy of Bosnia and Herzegovina depends significantly on agricul employment for approximately 20% of the country's workforce and contributes 16 the country. The national animal population is estimated to be 458,000 cattle. goes and 529 000 pigs. However, the prevalence of transboundary animal dise and Herzegovina has increased due to a lack of considercy in the courtry's dise Zoonotic TADs, which can easily be transmitted to humans, are of particular co control measures for brucelosis in Boshia and Herzegovina, for example, led to the disease among the human population, reaching a peak of approximately 1000

The project ...

As the primary source of brucellosis is farm animals, especially sheep and goats, early disease detaction using nuclear-related diagnostic platforms. as well as the upgrade of epidemiological strategies, became a priority for the State Veterinary Office and the ertire veterinary service. An IAEA technical cooperation project supported the upgrade of laboratory capacities and the implementation of standardized protectis. A strategically important epidemiological team, competent to design and enforce scientifically pushfied epidemiological models for the control of brucelosis and other TADs in the courtry, was designated and trained



As a result of the project, a disease control strategy based on quantitative epdeveloped and implemented to embance Boarda and Herzegorina's disease system. Today, samples collected under the established surveillance strategy (screening laboratories, and samples from animal focks that test postne are reference laboratories. The surveillance results are reported to the competent au such as the removal of diseased animals. The new system has improved the Veterinary Service to detect, control or eradicate brucellosis and has established A network of advanced epidemiological unto has been set up, and standard an

techniques and diagnostic protocols are being implemented. As a result of the TC project, Bosnia and Herzegovina is now better able to

Technical cooperation project BCH/5,001: Reducing the Incidence of BruceBosis Humans by Surveillance and Control



Technical Cooperation Programme

September 2013

Establishing a medical physics training centre in Bosnia and Herzegovina

There is a significant gap between the supply and demand for experienced medical physicals in Bosnia. and here yours, and continuous education and clinical training is needed. Over the past three years, the number of tradestartory candles in the country has increased groupy, in 2009 there was only one THERE SOORY THERE HE EVE. The number of medical physicists employed in the hospitals has doubled in

Since 1997, the clinical training of medical physicists in Bosnia and Herzegovina has been carried out almost exclusively through the LEAS technical cooperation programme. In order to ensure our sustainability and safe medical practices, it was necessary to develop a national intrastructure for burring, including a formal curriculum covering radiation imaging, radiativerary and nuclear medicine.

The project aimed to establish a medical radiation physics centre in the Departments of Medical Physics at the Carrical Centre of the University of Surajevo (NCSUS) and the Clinical Centre Barca Luka. The centres would train medical physicists and provide suntainable training as well as continuing professional development in line with internationally accepted standards.

Training for local medical physicists from Sarajevi) and Banca Luka was organized in proof to prepare for the utilization of quality control (QC) and governety equipment also provided through the project and to



A medical physicial from Sarajero di roccessible QC heals for long; such colleagues from Malino.

An expert muscion was organized to installe collaboration with medical physics departments in the region An expert measurer was organized to wisease consoverance went miscours projects departments in the region and to adults on the development of medical physics in Bosnia and Herbegovina. The experts reviewed unions advise on the development of medical physics in sported and recognized. The expens reviews current activities in medical physics and reduction protection, and reliated academic and clinical based. programmes or resource streets and collected information from other hospitals. These activities provided an evaluation of academic and clinical training programmes in medical physics, identified apacitic areas for represents on guarantees, were constant alarming programming or creation projects, speciment appeals, areas set improvement, as well as quistance on the establishment of a tramework for full future direct cooperation with the institutions in Sarajevo and Banis Luka.

A medical radiation physics centre has been established at KCUS and educational training of medical physicish is underway. The project has helped to create a larger professional body of medical properties to universities. The project has netwest to create a cargo generational pool of network and, in cooperation with the Faculty of Sciences at the University of Sciences, has established the foundations by education and clinical training in medical physics and takation entercorrect and representative entercorrect and control and analysis and physical and regulation of the acceptant and application in entertain intercords acceptant attendants are now available for training in all major areas of medical radiation physics, tadiotherapy, diagnostic radiotoy; and nuclear medicine. The experience gained in Salajero will be used for other centres in the country.



September 2016

Monitoring NORM and other pollutants in Bosnia and Herzegovina

The challenge...

In Boseia and Herzegovina, many past and present industrial activities have produced weather that contain high levels of natural occurring radioactive material (NORM), often is combinate with other pollutants such as heavy metals, in addition, around 70% of the country's electricity is generated by coal-fired power plants, which can lead to significant increases at the exposure of workers and the public to NORM and other pollutants. In order to identify if corrective measures to reduce exposure should be implemented, it was necessary to identify and report on occupational activities of concern, and to monitor the environment.

The project...

In the past, several coal and aluminium processing activities were identified and stadied as potential sources of environmental radioactivity contamination: the coal borning power plants in Gacko, Kakani, Tuzta and Upijovik, as well as the aluminium processing industries is Mostar and Zvornik. Given the general lack of data on natural radioactivity in the environment, the project participants critically reviewed the existing data and misoitured selected stressmirrorments affected by the major classes of wastes containing natural radionucides.



The Francis residence reportation site was

With IAEA assistance, stayerodors seek trained through indiveships in redicessifical and sampling factariques, and is exercised assignment execution. Existing toboratories in the country were purposed with the primition of ensuring an appropriate for the determination of reducement contains and purposed for the controlled for the determination of reducement contains and foodstaffs and the constrolled.

The impact...

A review of past and present acceptabilities that produce mysters with enhanced levels of natural radioactivity has been prepared. Two real mines and prior confirmed power plants, along with their exhalic depovins, weign biningless, an HOREA conformation sites. Apart from elevated radio levels, no cred at level of search anticectory in also marry bette and water were found. Measurements indicate on organi, many in minute representation actions for radiation hazards in the areas structured. An analysis repert was propared along with specific per minor delices to the Giver minute in have to alternation the conclude monitoring.

Consumer protection was unbasced as the project contributes indirectly to radioactive safety for emported find expirited fined quote, and let the value of food exports by certifying their fluedospical quality. The improved anterstories are also now in a position to support activities to indirect anterconcers.

Technical appearance project BOIeT-902: Indoor and Outdoor Manituring of Naturally Occurring



Training in earlier measurement



Active National Projects (5)

100

Pr Est Est

Ad

UI

Ad

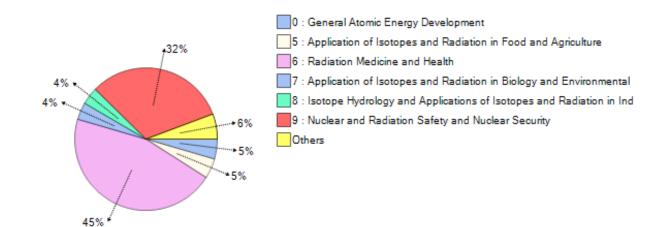
Active Regional/Int

RER2010

RER2012

Lecturers/Participants with nationality: Bosnia and Herzegovina Training Courses

Field of Activity	Lecturers	Participants	Total
0 : General Atomic Energy Development	2	13	15
1 : Nuclear and Atomic Physics	0	2	2
2 : Nuclear Chemistry and Radiochemistry	0	4	4
3 : Fuel Cycle and Waste Management	0	7	7
4 : Nuclear Engineering and Technology	3	3	6
5 : Application of Isotopes and Radiation in Food and Agriculture	0	15	15
6 : Radiation Medicine and Health	2	149	151
7 : Application of Isotopes and Radiation in Biology and Environmental Studies	0	13	13
8 : Isotope Hydrology and Applications of Isotopes and Radiation in Industry	0	13	13
9 : Nuclear and Radiation Safety and Nuclear Security	3	103	106
Total	10	322	332



Supporting Radiological Management of Abandoned Areas Following the Chemobyl Accident and Dissemination of





International Conference on the IAEA Technical Cooperation Programme

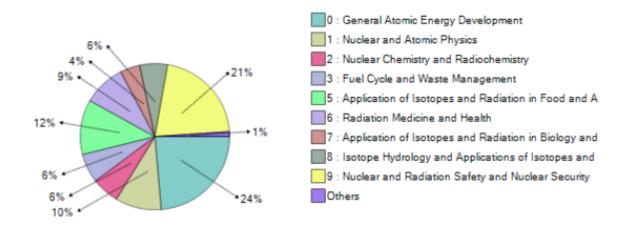
Sixty years and beyond: Contributing to development

30 May–1 June 2017 Vienna, Austria #Atoms4Dev2017



Experts with nationality: Bosnia and Herzegovina Meetings

Field of Activity	International experts	National experts	Meeting participants	Total
0 : General Atomic Energy Development	10	0	123	133
1 : Nuclear and Atomic Physics	8	0	48	56
2 : Nuclear Chemistry and Radiochemistry	7	1	26	34
3 : Fuel Cycle and Waste Management	3	0	33	36
4 : Nuclear Engineering and Technology	0	5	1	6
5 : Application of Isotopes and Radiation in Food and Agriculture	0	0	68	68
6 : Radiation Medicine and Health	0	5	47	52
7 : Application of Isotopes and Radiation in Biology and Environmental Studies	0	0	24	24
8 : Isotope Hydrology and Applications of Isotopes and Radiation in Industry	0	21	13	34
9 : Nuclear and Radiation Safety and Nuclear Security	12	8	99	119
Total	40	40	482	562











After the bifter war ended in 1995, Bosnia and Herzegovina was in the process of major reconstruction and in the need of support from international partners. Regarding the peaceful application of nuclear technologies, as well as nuclear safety and securrity, the situation in Bosnia and Herzegovina was extremely difficult.

UniCredit Ba and Herzegovina was extrem fechnologies, as well as nuc infernafignal parfners. K We hope that in the near future Bosnia and Herzegovina will become a

provider of expertise within the IAEA ...