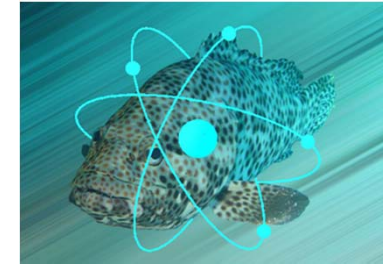


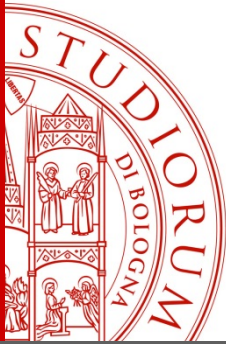
15th CHERNE workshop
UNICT-UNIBO
PORTO PALO (SR), 2-5 JUNE 2019



Brief report on the RADIUM project

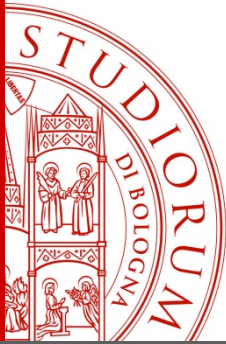
Domiziano Mostacci

Porto Palo, 4/JUNE/2019



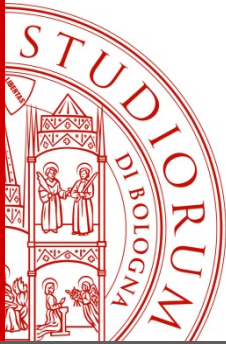
OVERVIEW

- Capacity Building program in the framework of ERASMUS+
- The project was developed jointly by all partners, but with special input by BSU and Bologna
- The idea is to set in place a new MS program in nuclear and radiological safety, for the Belarusian academy
- A few details follow



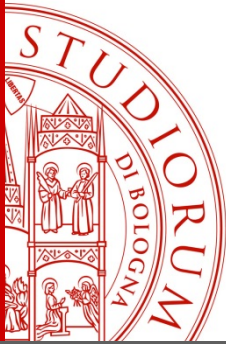
Background infos

Belarus has started a nuclear power program, and it is well known that reactors can impact the environment and the health of the population. Radiations can be very harmful if not properly harnessed. The branch of Health Physics deals with the safe handling of radiations. Nuclear engineering is at the core of the safe use of nuclear power. All those topics are addressed in the curriculum that it is proposed to develop, a significant contribution to public and environmental safety



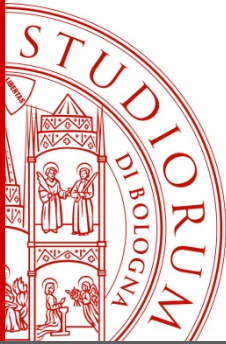
Digest of the project

The project proposes to develop innovative curricula at the Master level along Bologna principles, with theoretical learning, advanced laboratory training, internships. The plan calls also for “training the trainers”, i.e., form a new instructors’ generation. The hands-on approach and the internships will guarantee professional competence of the graduates. Society will profit from personnel expert in safe nuclear and radiation.



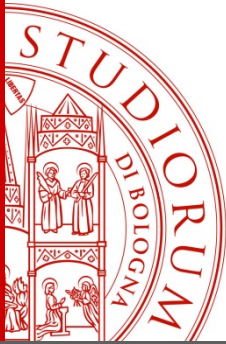
Key aims

- To screen, map and identify weaknesses and strengths of Radiation Protection and Nuclear Safety Culture (RP&NSC) education and its relevance to national labor market demands and nuclear safety requirements;
- To enhance ability of BY HEIs in developing EU best practices-based education in the field of RP&NSC;
- To develop educational content for EU best practices-based RP&NSC program;
- To create innovative study infrastructure supporting education activities in the field of RP&NSC;
- To implement and promote educational programs in the sphere of RP&NSC at HEIs in Belarus.



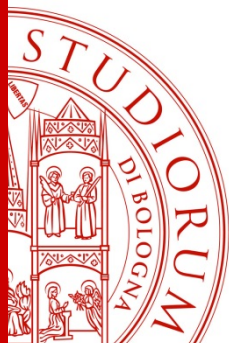
10 partners

P1	UNIBO	Bologna
P2	BSU	Minsk
P3	UPV	Valencia
P4	Hasselt Universiteit	Hasselt
P5	Hochschule Mannheim	Mannheim
P6	Belarusian State University of informatics and radioelectronics	Minsk
P7	Polotsk State University	Novopolotsk
P8	Polesky State University	Pinsk
P9	Francisk Skorina Gomel State University	Gomel
P10	Yanka Kupala State University of Grodno	Grodno



Associate partners

Name of organisation	City	Role in the project	Activities and related Work Packages
Westinghouse Electric Germany GmbH	Mannheim	Host trainees; give expert advice	Advice in development of curriculum (WP3). Offer traineeships (WP4)
SCK-CEN	Mol	Host trainees	Offer traineeships (WP4)
Atomtex	Minsk	Host trainee	Advice in development of curriculum (WP3). Offer traineeships (WP4). Advise in equipment acquisition (WP3)
Ministry of Education of Belarus	Minsk	Accreditation of MS course	Collaborate on accreditation (WP4)
ConstFlash Brand "AR.TEAM"	Minsk	IT support	Development of educational multimedia programs, virtual reality (WP3 and WP5)



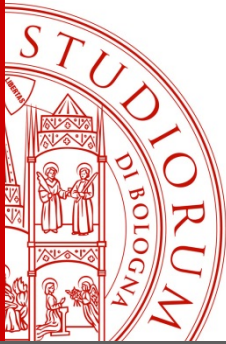
Budget details

Budget Breakdown by Workpackage / Budget Headings

WorkPackage	1. Staff Costs	2. Travel Costs	3. Costs of Stay	4. Equipment Costs	5. Subcontracting Costs	6. Exceptional Costs	Total (EUR)
Preparation	39.456,00	-	-	-	4.000,00	-	43.456,00
Development	178.710,00	33.180,00	91.700,00	270.000,00	36.000,00	-	609.590,00
Quality Plan	53.585,00	15.490,00	19.440,00	-	24.000,00	-	112.515,00
Dissemination & Exploitation	78.880,00	-	-	-	15.000,00	-	93.880,00
Management	46.966,00	27.235,00	49.080,00	-	17.000,00	-	140.281,00
Total	397.597,00	75.905,00	160.220,00	270.000,00	96.000,00	-	999.722,00

Budget Breakdown by Programme or Partner Countries / Budget Headings

Countries	1. Staff Costs	2. Travel Costs	3. Costs of Stay	4. Equipment Costs	5. Subcontracting Costs	6. Exceptional Costs	Total (EUR)
Programme Countries	247.917,00	20.260,00	43.620,00	-	68.000,00	-	379.797,00
Partner Countries	149.680,00	55.645,00	116.600,00	270.000,00	28.000,00	-	619.925,00
Total	397.597,00	75.905,00	160.220,00	270.000,00	96.000,00	-	999.722,00



Budget details

Budget Breakdown by Partner / Work Package						
Partner N°	Preparation	Development	Quality Plan	Dissemination & Exploitation	Management	Total (EUR)
P1	8.886,00	70.825,00	29.370,00	25.350,00	37.520,00	171.951,00
P2	10.170,00	86.025,00	15.350,00	15.830,00	17.435,00	144.810,00
P3	2.740,00	28.850,00	22.495,00	2.150,00	14.311,00	70.546,00
P4	4.280,00	40.145,00	5.800,00	3.450,00	13.985,00	67.660,00
P5	4.280,00	40.145,00	5.800,00	3.450,00	15.965,00	69.640,00
P6	2.620,00	68.720,00	6.740,00	8.730,00	8.213,00	95.023,00
P7	2.620,00	68.720,00	6.740,00	8.730,00	8.213,00	95.023,00
P8	2.620,00	68.720,00	6.740,00	8.730,00	8.213,00	95.023,00
P9	2.620,00	68.720,00	6.740,00	8.730,00	8.213,00	95.023,00
P10	2.620,00	68.720,00	6.740,00	8.730,00	8.213,00	95.023,00



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