

EMF-NET WP7														
COUNTRY		ROMANIA												
Project number	Full title	Keywords	Belongs to programme? (acronym)	Principal investigator	PI's Email & Web	Institute(s) involved	Start & end dates (MM/YYYY)	End date (MM/YYYY)	duration (months)	Funding (amount in k€)	Funding (sources)	Link to report and/or information	Additional remarks	
1	Electromagnetic field modeling in conditions specific to mobile telephoning	numerical modeling, EMF, exposure levels, mobile telephoning	National Academic Research Program CNCISIS	Mihaela Morega	mihaela@iem.pub.ro	POLITEHNICA University of Bucharest	1/5/2002	30/10/2004	30	7	Ministry of Education and Research	http://www.enscis.ro/index_alisare_1.php?id=1558		
2	Management of risks generated by electromagnetic fields due to cellular mobile telecommunications equipments	EMF, mobile phone equipment, biological effect, risk management	National Research Program INFOSOC	Stefan Victor Nicolaescu	stnicol@co.ensc.ro	INSCC Bucharest, ICMET Craiova, The Medicine and Pharmacy Univ. of Bucharest, University of Craiova	14/8/2002	31/3/2004	20	31	Ministry of Education and Research	http://www.inscc.ro		
3	Microwave dosimetry for applications in medicine and biology	microwave dosimetry, numerical modeling	National Academic Research Program CNCISIS	Mihaela MOREGA	mihaela@iem.pub.ro	POLITEHNICA University of Bucharest	1/3/2005	30/10/2007	32	10	Ministry of Education and Research	http://www.iem.pub.ro/~mihaela		
4	Research on bio-electromagnetic interaction and on the biologic impact of human exposure to radiofrequency and microwaves electromagnetic fields	RF (Human) exposure, RF dosimetry, RF biological effects	National Research Program CEEEX	Simona MICLAUS	miclaus@armacadem.ro, simo.miclaus@gmail.com	Land Forces Academy Sibiu, Center for Informatics and Communication Sibiu, Nat. Inst. for R&D for Isotopic and Molecular Technologies Cluj Napoca, Nat. Inst. for R&D for Microtechnologies Bucharest, Univ. ALL. Cuza - Physics Faculty Iasi, Inst. For Research in Electrotechnique S.A. Bucharest	10/10/2005	30/08/2007	22	353	Ministry of Education and Research	http://www.armacadem.ro/cosacretare/bioelmag/		
5	EcoEM Electromagnetic Ecology - field sources, biological effects, limiting exposure measures	electromagnetic environment, ELF, radiofrequency human exposure	National Research Program CEEEX	Vilhelm KAPPEL	kappel@icpe-ca.ro	National R&D Institute for Electrical Engineering ICPE-CA Bucharest, POLITEHNICA Univ. of Bucharest, The University of Bucharest, The Medicine and Pharmacy Univ. of Bucharest, The Naval Academy of Constanta, ERGAMED SRL	10.10.2005	10/09/2008	33	441	Ministry of Education and Research	www.ecologielectromagnetic.ro/eng/ezza.htm		
6	Complex system for thermal monitoring, at tactical level, of fighting capacity of the military personnel exposed to electromagnetic radiation -RF Securit	ELF and RF human exposure, tomography	National Research Program SECURITY	Horia POPESCU	horiapoescu73@yahoo.com	Military Equipment & Technologies Research Agency Bucharest, National R&D Institute for Electrical Engineering ICPE	1/11/2005	31/10/2006	12	55	Ministry of Education and Research	horiapoescu73@yahoo.com		
7	Microwaves data logger detector for biological protection	microwaves detector, data logger, biological protection	National Program CERES	Emanoil SURDUCAN	esurducan@gmail.com, www.itim-cj.ro	National Institute of Research and Development for Isotopic and Molecular Technologies Cluj Napoca	11/04/2004	15/09/2006	22	-27	Ministry of Education and Research	www.incdtim.net/firms.com/detector.htm		
8	Microwaves interaction with molecular and biomolecular systems	microwaves absorption; non-invasive monitoring; biological culture exposure; microwaves treatment	National Research Program CEEEX	Emanoil SURDUCAN	esurducan@gmail.com, www.itim-cj.ro	National Institute of Research and Development for Isotopic and Molecular Technologies Cluj Napoca, Babes-Bolyai Univ. Cluj Napoca, Inst. for Biological Research Cluj Napoca, Inst. for Chemical Research Cluj Napoca, Land Forces Academy Sibiu, Communications and Informatics	20/11/2005	30/06/2008	31	-420	Ministry of Education and Research	www.incdtim.net/firms.com/interactia_microundelor.htm		
9	European Network for Research and Innovation in Domain of Electromagnetic Ecology, EuNetElemagEco	Ecology, CEM, EMF's	CEEEX National Programme, M III 2006	Phds. Eros-Alexandru PATROI	alexandroeros@icpe-ca.ro	INCIE ICPE-CA	1/8/2006	1/8/2008	24	57	National Authority for Scientific Research			
10	Unconventionally ecological biotechnologies for treatment of the plants with physical fields for environment conservation	Plants, biotechnologies	CEEEX National Programme, M I 2006	Prof. Dr. Petru NICULITA	petruniculita@yahoo.com	USAMY, INCIE ICPE-CA	2/8/2006	30/11/2008	27	389	National Authority for Scientific Research			
11	Mobile laboratory for electromagnetic radiation monitoring in urban environment	electromagnetic environment, ELF and RF human exposure	National Research Program CEEEX	Horia POPESCU	horiapoescu73@yahoo.com	Military Equipment & Technologies Research Agency Bucharest	10/8/2006	31/10/2008	18	NA	Ministry of Education and Research	horiapoescu73@yahoo.com		
12	The impact of anthropic electromagnetic fields on ecosystems	Ecosystems	CEEEX National Programme, M I 2006	Dr. Eng. Iosif LINGYAY	lingyay@icpe-ca.ro	AMCSIT, UPB, INCIE ICPE-CA, UT Cluj-Napoca, Univ. Babes-Bolyai, Univ. Sapientia	10/10/2006	10/9/2008	23	400	National Authority for Scientific Research	http://www.amcsit.ro/semestf		
13	Study on potential cancer risk and other adverse effects of electromagnetic fields in occupational exposure	ELF, RF fields, health risk, cancer risk, occupational exposure	National Program of Community Health PN 14	Razvan Danulescu	razdan@iasi.mednet.ro	Institute of Public Health of Iasi	01/01/2003	31/12/2007	60	30	Ministry of Public Health	http://www.pub-health-iasi.ro		
14	Development of methodology for electromagnetic field measurement used in occupational exposure assessment.	ELF, RF field characterization, methods and procedures	National Program of Community Health PN 14	Cristian Goiceanu	goiceanu@iasi.mednet.ro	Institute of Public Health of Iasi	01/01/2004	31/12/2005	24	10	Ministry of Public Health	http://www.pub-health-iasi.ro		
15	Electromagnetic field levels in work environment - Assessment of occupational exposure at specific workplaces	electromagnetic field, work environment, occupational assessment	National Program of Community Health PN 14	Razvan Danulescu, Cristian Goiceanu	razdan@iasi.mednet.ro, goiceanu@iasi.mednet.ro	Institute of Public Health of Iasi	01/01/2007	31/12/2010	48	22	Ministry of Public Health	http://www.pub-health-iasi.ro		
OTHER PROJECTS COMPLEMENTARY TO EMF - NET TOPICS														
16	Artificial intelligence controlled system for the electromagnetic field pollution monitoring and electrical apparatus	artificial intelligence, electromagnetic field pollution, monitoring, diagnostic	National Academic Research Program CNCISIS	Baraboi Adrian	abaraboi@ee.tuiasi.ro, adrianabaraboi@yahoo.ro	Technical University "Gh. Asachi" of Iasi, Romania	1/3/2005	1/12/2006	21	NA	Ministry of Education and Research	www.enscis.ro		
17	EAL-DCME Extension of the activity for an EMC accredited laboratory for the determination of interference electromagnetic environment	electromagnetic field, electromagnetic pollution, environment location, electromagnetic coupling, disturbance attenuation	National Research Program CEEEX	Andrei Marinescu	marinescu@icmet.ro	ICMET Craiova	09/07/2005	28/2/2007	18	160	Ministry of Education and Research	http://www.icmet.ro		
18	New Type of Electromagnetic Shields	Shields	Nucleu Programme	Phds. Iulian IORDACHE	iordache@icpe-ca.ro	INCIE ICPE-CA	continuous	continuous	continuous	120	Industry and government			
19	Innovative therapies for the treatment of some neoplasia by synergetic activity of some bioactive derivatives, accelerated electrons and microwaves	in vitro, human and mouse melanoma cells culture, C57 Lf6 mice with malignant melanoma, cells membrane fluidity and potential measurement simultaneous	National Research Programme CEEEX, VIASAN	Prof. Dr. Sabina Cinea (oncology) Dr. Ing. Diana Martin (microwave and electron beam systems)	scinea@iob.ro, martin_infpr@yahoo.com	"A. Trestioreanu" oncology Institute; Bucharest University, Chemistry Faculty, National Institute for Lasers, Plasma and Radiation Physics; Organic Chemistry Center of Romanian Academy; "Carol Davila" University of Human Medicine and Pharmacy; DDS Diagnostic SRL	15/10/2005	15/10/2008	36	NA	Ministry of Education and Research	www.mcl.ro		
20	Development of a biotechnology for ruminant infections specific prophyllitis pododermitis produced by fusobacterium necrophorum by microwave and electron beam utilization	Fusobacterium necrophorum (F.n.), ruminant pododermitis, F.n. esotozine releasing or/and inactivation, microwave, electron beam	National Research Programme CEEEX, BIOTECH	Prof. Dr. Iulian Togoei (microbiology) Dr. Gabriela Craciun (biophysics) Dr. Ing. Diana Martin (microwave and electron beam systems)	togoei@yahoo.com, gabriela.craciun@infpr.ro, martin_infpr@yahoo.com	Agronomical Sciences and Veterinary Medicine University Bucharest, National Institute for Lasers, Plasma and Radiation Physics, Agronomical Sciences and Veterinary Medicine University "Ioan Ionescu, Brad, ROMVAC Company, National	10/01/2005	31/8/2008	34	NA	Ministry of Education and Research	www.mcl.ro		
21	Electron beam and microwave irradiation effects on biomaterials properties with applications in medicine	blood cells, membrane fluidity, fluorescence anisotropy, drugs uptake, cell shape analysis, in vitro, human and mouse melanoma cells, separate, successive and simultaneous microwave irradiation	National Research Programme, MATNANTECH	Dr. Ing. Elena Manaila (biochemistry) Dr. Ing. Diana Martin (microwave and electron beam systems)	elenam_infpr@yahoo.com, martin_infpr@yahoo.com	National Institute for Lasers, Plasma and Radiation Physics, "Carol Davila" University of Human Medicine and Pharmacy, ICPE Electrostatics, National Institute for Scientific Research in Electrostatics and Electrotechnologies	10/01/2003	21/3/2005	18	NA	Ministry of Education and Research	www.mcl.ro		
22	Study of electron beam and microwave irradiation effects on some products with alimentary and therapeutic use	separate, successive and simultaneous irradiation with electron beam and microwave, microorganisms irradiation, minced beef, wheat flour, milk	National Research Programme, BIOTECH	Dr. Ing. Diana Martin (microwave and electron beam systems)	martin_infpr@yahoo.com	National Institute for Lasers, Plasma and Radiation Physics, Institute of alimentary bioresources, ICPE Electrostatics, National Institute for Scientific Research in Electrostatics and Electrotechnologies	10/01/2003	05/10/2005	20	NA	Ministry of Education and Research	www.mcl.ro		
23	Biogels obtained by microwave for protein fractions electrophoresis with applications in diagnosis and therapy	agarose gel, microwave heating, electron beam sterilization, proteic fraction, electrophoresis kit homologation	National Research Programme, MATNANTECH	Prof. Dr. Ion Baciu (biochemistry) Dr. Ing. Diana Martin (microwave and electron beam systems)	martin_infpr@yahoo.com	Bucharest University Faculty of Chemistry, National Institute for Lasers, Plasma and Radiation Physics, DDS Diagnostics	10/01/2004	10/09/2006	24	NA	Ministry of Education and Research	www.mcl.ro		
24	Study of electron beam and microwave irradiation effects on human blood proteins	human serum and plasma, protein fractions, ALT, AST, GGT, ALP, LDH, enzymatic activity, human blood cells, separate, successive and simultaneous microwave irradiation	National Research Programme, CERES	Dr. Ing. Elena Manaila (biochemistry) Dr. Ing. Diana Martin (microwave and electron beam systems)	elenam_infpr@yahoo.com, martin_infpr@yahoo.com	National Institute for Lasers, Plasma and Radiation Physics, Bucharest University Faculty of Chemistry, National Institute for Materials Physics	11/04/2004	30/6/2006	20	NA	Ministry of Education and Research	www.mcl.ro		
25	Noninvasive methods and techniques with microwaves for early breast cancer detection - CANCERDET	Microwaves (M.V), e.m. shielding	National Program of Excellence - Viasan	Octavian Baltag	obaltag@umfiiasi.ro	Univ. of Medicine and Pharmacy Faculty of Medical Bioengineering	01/09/2005	01/06/2008	22	200	Ministry of Education and Research			
26	Magnetometric methods and techniques for cardiac activity investigation - CARDIOMAG	Biomagnetic fields, electromagnetic shielding, dynamic shielding	National Program of Excellence - Viasan	Octavian Baltag	obaltag@umfiiasi.ro	Univ. of Medicine and Pharmacy Faculty of Medical Bioengineering - Iasi	01/09/2006	01/12/2008	27	400	Ministry of Education and Research			
27	Shield for special building based on Chiral- structure	shielding material, e.m. shielding, E.M. exposure reduction	National Research Program MATNANTECH	Valeriu David	valdavid@ee.tuiasi.ro	Technical Univ. "Gh. Asachi" Iasi	Sep-06	Dec-08	27	400	Ministry of Education and Research			
28	Substantion of nano/micro-components built inside textile composite materials for the purpose of achieving some intelligent functions of protection equipment in aggressive environment - EPIntel	intelligent materials, nanomaterials, E.M. protection	National Research Program MATNANTECH	Carmen Loghin	cloghin@te.tuiasi.ro	Technical Univ. "Gh. Asachi" Iasi	Sep-06	Dec-08	27	400	Ministry of Education and Research			