

Domenii CDI potențial abordabile conform Anexei I. Domenii prioritare de cercetare științifică la nivel European – Programul FP7, 2007 - 2013

2.1	Sustainable production and management of biological resources from land, forest, and aquatic environments	1. Enabling Research	<ul style="list-style-type: none"> 1. Development of new tools and processes to support R&D in crop plants: molecular breeding 2. Mining genomics information of farm animals to generate new information on the genetic basis of phenotypes important to sustainable animal production 	
		2. Increased sustainability of all production systems (agriculture, fisheries and aquaculture); Plant health and crop protection	<ul style="list-style-type: none"> 1. Annual Food crops with improved tolerance to multiple abiotic stresses 2. Reducing the need for external inputs in high-value protected horticultural and ornamental crops 3. Novel forest tree breeding 4. Developing new methods for valuing and marketing of currently non-marketable forest goods and services 	
		3. Optimised animal health production and welfare across agriculture, fisheries and aquaculture	<ul style="list-style-type: none"> 1. Breeding tools for improved livestock products 	
		4. Socio-economic research and support to policies	<ul style="list-style-type: none"> 1. Developing the knowledge-based bio-economy (KBBE) 2. Enabling efficient transfer of technology in the knowledge-based bio-economy 3. The farm of tomorrow 4. GMO cost-effective and crop-specific co-existence measures 5. Enlargement network - agro-economic policy analysis of the accession and the candidate states and the Western Balkan countries 6. Comparative analysis of factor markets for agriculture across the Member States 7. Assessing the impact of rural development policies (including Leader) 	
2.2	Fork to farm: Food, health and well being	1. Environmental impacts and total food chain	<ul style="list-style-type: none"> 1. Assessment of short and long term effects of GMOs on human and animal 	

			health	
2.3	Life Sciences and Biotechnology for sustainable non-food products and processes	1. Improved biomass and plant based renewables	1. ENERGY PLANTS - Novel plants for energy production 2. GREEN OIL - Plants providing oils of the future 3. FOREST PRODUCTS - New forest based products and processes 4. FUTURE CROPS - Technical, socio-economic, environmental and regulatory aspects of future non-food crop systems	
5.	ENERGY			
		2. Biomass	1. Advanced gas cleaning technologies for biomass	
		2. Wind	1. External conditions, resource assessment and forecasting for wind energy	
6.	ENVIRONMENT (INCLUDING CLIMATE CHANGE)			
6.1	Climate change, pollution, and risks	1. Pressures on environment and climate	2. Climate Change Natural and Socio-economic Impacts	1. Climate change impacts and adaptation strategies in water policies 2. Climate change impacts on vulnerable mountain regions
			3. Response strategies: Adaptation, Mitigation and Policies	1. Impacts and feed-backs of climate policies on land use and ecosystems in Europe 2. Exploitation and dissemination of climate change research results and public perception
		2. Environment and Health	1. Integrated approaches for environment and health risk assessment	1. European network on human biomonitoring 2. European cohort on air pollution 3. Health impacts of drought and desertification including related socio-economic aspects
		1. Natural hazards		
			1. Vulnerability assessment and societal impacts	1. Frame for better vulnerability assessment

			2. Risk assessment and management	2. Investigating Europe's risk from droughts
			3. Multi-risk evaluation and mitigation strategies	European (multi) hazard database analysis
6.2	Sustainable management of resources	1. Conservation and sustainable management of natural and man-made resources and biodiversity	1. Integrated Resource Management	
		16.	2. Biodiversity	1. Contribution of biodiversity to ecosystem services 2. Use of natural resources: the impact on biodiversity, ecosystem, goods and services 3. Biodiversity values, sustainable use and livelihoods
6.3	Environmental technologies	1. Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment	2. Soil	1. Development and improvement of technologies for data collection in (digital) soil mapping 2. Development of technologies and tools for soil contamination assessment and site characterization, towards sustainable remediation
		8.	3. Waste	1. Development of integrated waste management technologies for maximising material and energy recovery/recycling of the organic (humid) fraction of municipal solid waste
			1. Clean Technologies	Networking and preparatory action in view of control of mercury in industrial processes and products
		2. Protection, conservation and enhancement of cultural heritage, including human habitat	1. Assessment and conservation in cultural heritage	Damage assessment, diagnosis and monitoring for the preventive conservation and maintenance of the cultural heritage
			2. Networking, knowledge transfer and optimisation of results in cultural heritage	1. ERA-NET for the preservation of the tangible cultural heritage 2. Consolidation and dissemination

				of results related to cultural heritage
			3. Environment technologies for archaeology and landscapes	
			4. Fostering the integration of cultural heritage in urban and rural settings	
11	ERC			
11.1	Starting Grants			
12	PEOPLE			
12.1	Initial training of researchers	Marie Curie Action: "Initial Training Networks"		
12.2	Life-long training and career development	1. Marie Curie Action: "Intra-European Fellowships for Career Development" 2. Marie Curie Action: "European Reintegration Grants"		
12.3	Industry-academia partnerships and pathways	Marie Curie Action: "Industry-Academia Partnerships and Pathways"		
12.4	The international dimension	1. Marie Curie Action: "International Outgoing Fellowships for Career Development" 2. Marie Curie Action: "International Incoming Fellowships" 3. Marie Curie Action: "International Reintegration Grants"		
12.5	Specific actions	Marie Curie Action: "Researchers' Night 2007"		
13.	RESEARCH INFRASTRUCTURES			
13.1	Support to existing research infrastructures	ICT-based e-Infrastructures	1. Scientific Digital Repositories 2. Deployment of e-Infrastructures for scientific communities	
13.2	Support to new research infrastructures	1. Design Studies	1. Design studies for research infrastructures in all S&T fields 2. Design studies for e-Infrastructures	
		2. Construction of new infrastructures	1. Preparatory phase for the projects in	

		(or major upgrades) - preparatory phase	the 2006 ESFRI Roadmap 2. Preparatory phase for "Computer and Data Treatment" research infrastructures in the 2006 ESFRI Roadmap	
13.3	Support for policy development and programme implementation, including support to emerging needs	<ol style="list-style-type: none"> 1. ERA-NET supporting cooperation for research infrastructures in all S&T fields 2. Coordination actions to support emerging needs 3. Trans-national co-operation among NCPs 4. Support to ensure the continuity of FP6 actions 		
14.	RESEARCH FOR THE BENEFIT OF SMES			
14.1	Research for SMEs	SME-1 - Research for SMEs		
14.2	Research for SME associations	SME-2 Research for SME associations		
14.3	Coordination and Support Activities	SME-3 - Coordination and Support Activities		
15.	REGIONS OF KNOWLEDGE			
15.1	Analysis, mentoring and integration of research actors	<ol style="list-style-type: none"> 1. Bringing the benefits of research to SMEs 2. Research and rural economies including economies undergoing structural changes 		
15.2	Facilitating the emergence of new clusters and mutual information	<ol style="list-style-type: none"> 1. Bringing the benefits of research to SMEs 2. Research and rural economies including economies undergoing structural changes 		
15.3	Other Activities	All thematic priorities' domains of the FP7		
16.	RESEARCH POTENTIAL			
16.1	Unlocking and developing the	All thematic priorities' domains of the		

	research potential in the EU's convergence regions and outermost regions	FP7		
16.2	Providing evaluation facilities for research organisation in the EU's convergence regions and outermost regions	All thematic priorities' domains of the FP7		
16.3	International co-operation	All thematic priorities' domains of the FP7		
16.4	Trans-national co-operation among NCPs	All thematic priorities' domains of the FP7		
17.	SCIENCE IN SOCIETY			
17.1	A more dynamic governance of the science and society relationship	1. Better understanding of the place of science and technology in society	1. Research on relationships between science, democracy and law	Revisiting the challenges of the interaction between science and politics in the European knowledge-based society
			2. Research on ethics in science and technology	1. Ethical frameworks of new technologies 2. Research underpinning policy related to ethics, precaution and sustainable development
			3. Research on the reciprocal influence of science and culture	Action to establish a transdisciplinary research community on science and culture
		2. Broader engagement to anticipate and clarify political, societal and ethical issues	1. Developing governance on science-related questions	1. CSO capacity building in research 2. Co-operative research processes
			2. Conditions for an informed debate on ethics and science	1. European ethics and documentation centre 2. Forum of National Ethics Councils 3. Ethics and security research 4. International dialogue: capacity building in developing countries
			3. Cross Thematic activities	1. Sustainable consumption and production 2. Nanoscience and Nanotechnology

17.2	Strengthening potential, broadening horizons	1. Gender and Research	Strengthening the role of women in scientific research	Survey of positive action schemes in the area of Research Decision-making
		2. Young People and Science	1. Supporting formal and informal science education in schools as well as through science centres and museums and other relevant means	1. Links between science education and research 2. Teaching methods