



**European Cooperation  
in the field of Scientific  
and Technical Research  
- COST -**

**Brussels, 7 May 2010**

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**Secretariat**

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**COST 4150/10**

**NOTE**

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From : JAF  
To : COST Committee of Senior Officials (CSO)  
Subject : 178th CSO meeting on 25 - 26 May 2010, agenda item 10  
- Approval of new COST Actions

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The JAF Group, at its meeting on 28 - 29 May 2010, agreed to recommend that the CSO, at its 178th meeting on 25 - 26 May 2010, would approve the following 30 proposals for new COST Actions (10 from Natural Sciences Cluster, 11 from Life Sciences Cluster and 9 from Science in Society cluster)<sup>1</sup>, subject to the outcome of the MTE and its proposal for the COST budget.

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<sup>1</sup> Action proposals can be found on the website: <http://w3.cost.eu/index.php?id=1894>

## Natural Sciences

<b>COST doc.</b>	<b>Action number</b>	<b>Domain</b>	<b>Title</b>	<b>Proposal from</b>
4120/10	CM1001	CMST	Chemistry of non-enzymatic protein modification - modulation of protein structure and function	DE
4121/10	CM1002	CMST	CODECS: COntvergent Distributed Environment for Computational Spectroscopy	IT
4122/10	CM1003	CMST	Biological oxidation reactions - mechanisms and design of new catalysts	SE
4123/10	ES1001	ESSEM	SMOS Mission Oceanographic Data Exploitation	ES
4124/10	ES1002	ESSEM	Short-Term High Resolution Wind and Solar Energy Production Forecasts	CH
4125/10	ES1003	ESSEM	Development and implementation of a pan-European Marine Biodiversity Observatory System (EMBOS)	NL
4126/10	MP1001	MPNS	Ion Traps for Tomorrow's Applications	FR
4127/10	MP1002	MPNS	Nano-scale insights in ion beam cancer therapy (Nano-IBCT)	DE
4128/10	MP1003	MPNS	European Scientific Network for Artificial Muscles (ESNAM)	IT
4129/10	TD1003	TDP/CMST (CMST BMBS MPNS)	Bio-inspired nanotechnologies: from concepts to applications	FR

## Life Sciences

<b>COST doc.</b>	<b>Action number</b>	<b>Domain</b>	<b>Title</b>	<b>Proposal from</b>
4130/10	BM1001	BMBS	Brain Extracellular Matrix in Health and Disease (ECMNet)	IT
4131/10	BM1002	BMBS	Nanomechanics of intermediate filament networks - NANONET	NL
4132/10	BM1003	BMBS	Microbial cell surface determinants of virulence as targets for new therapeutics in Cystic Fibrosis	IT
4133/10	BM1004	BMBS	Enhancing the scientific study of early autism: A network to improve research, services and outcomes	UK
4134/10	FA1001	FA	The application of innovative fundamental food-structure-property relationships to the design of foods for health, wellness and pleasure.	IT
4135/10	FA1002	FA	Farm Animal Proteomics	UK
4136/10	FA1003	FA	East-West Collaboration for Grapevine Diversity Exploration and Mobilization of Adaptive Traits for Breeding	IT
4137/10	FP1001	FPS	USEWOOD: Improving Data and Information on	DK

			the Potential Supply of Wood Resources: A European Approach from Multisource National Forest Inventories	
4138/10	FP1002	FPS	Pathway Evaluation and pest Risk Management In Transport - PERMIT	UK
4139/10	FP1003	FPS	Impact of renewable materials in packaging for sustainability - development of renewable fibre and bio-based materials for new packaging applications	SE
4140/10	TD1002	TDP/BMBS (BMBS CMST MPNS)	European network on applications of Atomic Force Microscopy to NanoMedicine and Life Sciences (AFM4NanoMed&Bio)	FR

### Science in Society

<b>COST doc.</b>	<b>Action number</b>	<b>Domain</b>	<b>Title</b>	<b>Proposal from</b>
4141/10	IS1001	ISCH	Bio-objects and their boundaries: governing matters at the intersection of society, politics, and science	AT
4142/10	IS1002	ISCH	Modernet, a network for development of new techniques for discovering trends in occupational and work-related diseases and tracing new and emerging risks	NL
4143/10	IS1003	ISCH	International Law Between Constitutionalisation and Fragmentation: the role of law in the post-national constellation	NL
4144/10	IC1001	ICT	Transactional Memories: Foundations, Algorithms, Tools, and Applications (Euro-TM)	PT
4145/10	IC1002	ICT	Multilingual and multifaceted interactive information access (MUMIA)	EL
4146/10	IC1003	ICT	European Network on Quality of Experience in Multimedia Systems and Services (QUALINET)	CH
4147/10	TU1001	TUD	Public Private Partnerships in Transport: Trends and Theory	EL
4148/10	TU1002	TUD	Accessibility instruments for planning practice in Europe	NL
4149/10	TD1001	TDP/ICT (ICT MPNS)	Novel and Reliable Optical Fibre Sensor Systems for Future Security and Safety Applications (OFSeSa)	IE