



**European Cooperation
in Science and Technology
- COST -**

Brussels, 11 November 2010

Secretariat

COST 4182/10

NOTE

From : JAF
To COST Committee of Senior Officials (CSO)
Subject : 180th CSO meeting on 1 - 2 December 2010, agenda item 9
- Approval of new COST Actions

The JAF Group, at its meeting on 3 - 4 November 2010, agreed to recommend that the CSO, at its 180th meeting on 1 - 2 December 2010, would approve the following 30 proposals for new COST Actions (11 from Natural Sciences Cluster, 10 from Life Sciences Cluster and 9 from Science in Society cluster)¹.

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

Natural Sciences

COST doc.	Action number	Domain	Title	Proposal from
4183/10	CM1004	CMST	Synthetic Probes for Chemical Proteomics and Elucidation of Biosynthetic Pathways	NL
4184/10	CM1005	CMST	Supramolecular Chemistry in Water	IT
4185/10	CM1006	CMST	EUFEN: European F-Element Network	UK
4186/10	ES1006	ESSEM	Evaluation, improvement and guidance for the use of local-scale emergency prediction and response tools for airborne hazards in built environments	DE
4187/10	ES1005	ESSEM	Towards a more complete assessment of the impact of solar variability on the Earth's climate	FR
4188/10	ES1004	ESSEM	European framework for online integrated air quality and meteorology modelling	DK
4189/10	MP1006	MPNS	Fundamental Problems in Quantum Physics	IT
4190/10	MP1005	MPNS	From nano to macro biomaterials (design, processing, characterization, modeling) and applications to stem cells regenerative orthopedic and dental medicine (NAMABIO).	IT
4191/10	MP1004	MPNS	Hybrid Energy Storage Devices and Systems for Mobile and Stationary Applications	DE
4192/10	TD1007	TDP/MPNS (MPNS, CMST, BMBS)	"Bimodal PET-MRI molecular imaging technologies and applications for in vivo monitoring of disease and biological processes"	EL
4193/10	TD1004	TDP/CMST (CMST, BMBS)	Theranostics Imaging and Therapy: An Action to Develop Novel Nanosized Systems for Imaging-Guided Drug Delivery	AT

Life Sciences

COST doc.	Action number	Domain	Title	Proposal from
4194/10	BM1007	BMBS	Mast Cells and Basophils - Targets for Innovative Therapies	DE
4195/10	BM1006	BMBS	Next Generation Sequencing Data Analysis Network	SE
4196/10	BM1005	BMBS	Gasotransmitters: from basic science to therapeutic applications (ENOG: European Network on Gasotransmitters)	EL
4197/10	FA1006	FA	Plant Metabolic Engineering for High Value Products	DE
4198/10	FA1005	FA	Improving health properties of food by sharing our knowledge on the digestive process (INFOGEST)	FR
4199/10	FA1004	FA	Conservation Physiology of Marine Fishes	FR
4200/10	FP1004	FPS	Enhance mechanical properties of timber, engineered wood products and timber structures	SE
4201/10	FP1005	FPS	Fibre suspension flow modelling - a key for innovation and competitiveness in the pulp & paper industry	PL
4202/10	FP1006	FPS	Bringing new functions to wood through surface modification	AT
4203/10	TD1006	TDP/BMBS (BMBS, ICT)	European Network on Robotics for NeuroRehabilitation	ES

Science in Society

COST doc.	Action number	Domain	Title	Proposal from
4204/10	IS1004	ISCH	WEBDATANET: web-based data-collection - methodological challenges, solutions and implementations.	ES
4205/10	IS1005	ISCH	Medieval Europe - Medieval Cultures and Technological Resources	IT
4206/10	IS1007	ISCH	Investigating Cultural Sustainability	FI
4207/10	IS1006	ISCH	Unraveling the grammars of European sign languages: pathways to full citizenship of deaf signers and to the protection of their linguistic heritage	ES
4208/10	IC1005	ICT	HDRi: The digital capture, storage, transmission and display of real-world lighting	UK
4209/10	IC1004	ICT	Cooperative Radio Communications for Green Smart Environments	IT
4210/10	TU1004	TUD	Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems	UK
4211/10	TU1003	TUD	MEGAPROJECT: The Effective Design and Delivery of Megaprojects in the European Union	UK
4212/10	TD1005	TDP/ISCH (ISCH, BMBS)	Pain Assessment in Patients with Impaired Cognition, especially Dementia	DE