



# COST

## European Cooperation in the Field of Scientific and Technical Research

Participation of Switzerland

Annual Report 2010



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

Federal Department of Home Affairs FDHA  
State Secretariat for Education and Research SER

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Federal Department of Home Affairs DHA  
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in the Field of Scientific  
and Technical Research**

**Participation of Switzerland**

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## Introduction

In 2010, discussions at international level already began to focus on the period after 2013 when the next EU framework program will start. COST has to position itself in the European Research and Innovation Area ERA and a milestone on this way was the successful mid-term review of the COST contract between the European Science Foundation, as the implementing agent of COST, and the EU Commission. Another important milestone of the year 2010 was the COST Ministerial Conference held on 15 June 2010 in Palma, Spain, where the Representatives of the Governments of the COST Member States and of the European Commission discussed the future role of COST in the ERA. The Ministers endorsed a Declaration on COST that will guide COST through the coming years.

COST in Switzerland has been assessed during 2010 and a comprehensive evaluation and impact study has been presented to the SER by external evaluators. (Red.: The evaluation can be downloaded from the SER website). The report confirms that COST plays an important role as a networking tool for European scientists as well as a precursor to future research cooperation and as an instrument to foster the development of junior researchers. The complementary roles of COST, the cumulative effects of COST grants and the significant socioeconomic impact were all deemed relevant. Also participants' satisfaction with the COST system in Switzerland is judged to be high.

The high level of Swiss participation in more than 200 COST Actions that has been reached in 2009, could be consolidated during 2010. Thus, Switzerland participates in about 85% of all COST Actions.

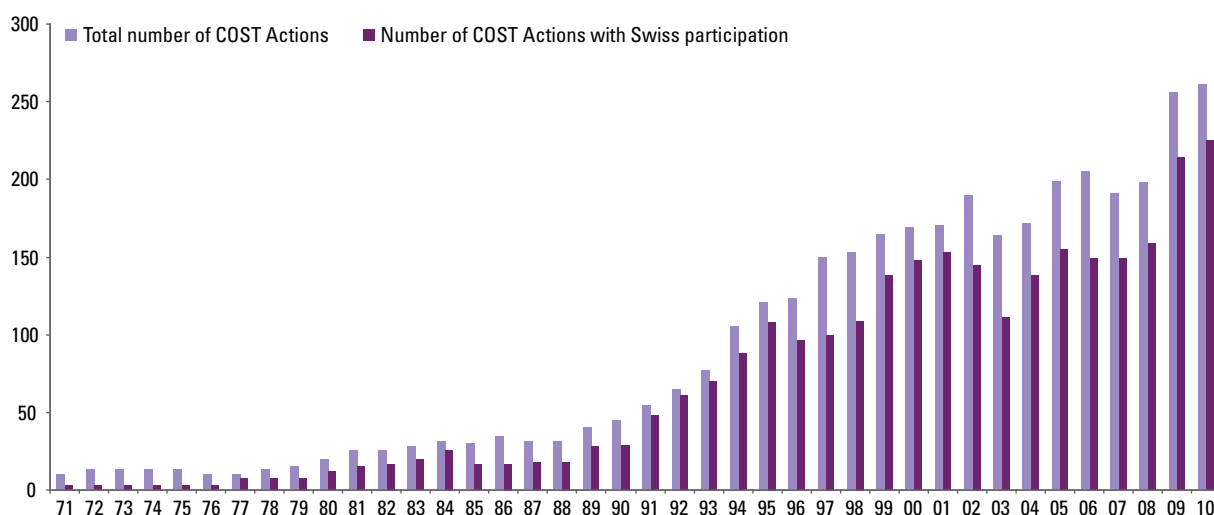
The Annual Report 2010 provides an overview of COST activities in Switzerland and at international level, Swiss representation in various technical committees and Swiss participation in COST Actions. The SER has again produced a CD-ROM, which provides more information regarding Swiss participation in COST. The COST CD-ROM may be ordered from the SER Web site.

## Swiss participation in COST in 2010

### Participation in new COST Actions

The Committee of Senior Officials (CSO) approved 60 new COST Actions in 2010. 2 of these new Actions were the result of Swiss proposals (ES1002, IC1003) and are under Swiss chairmanship. Presently, a total of 22 COST Actions originating from Swiss proposals are active.

Figure 1: Number of COST Actions since 1971



In 2010, Switzerland joined 47 COST Actions that had been approved by the CSO in 2009 or 2010. Over the course of 2010, Switzerland was involved in 225 of the 261 ongoing Actions (Figure 1). Switzerland has held a “150 Actions line” since the year 2000 (except 2003). In 2009 Swiss participation has increased substantially to 214 Actions and to an all time high of 225 Actions in 2010. This amounts to a participation rate of 86% in all ongoing COST Actions.

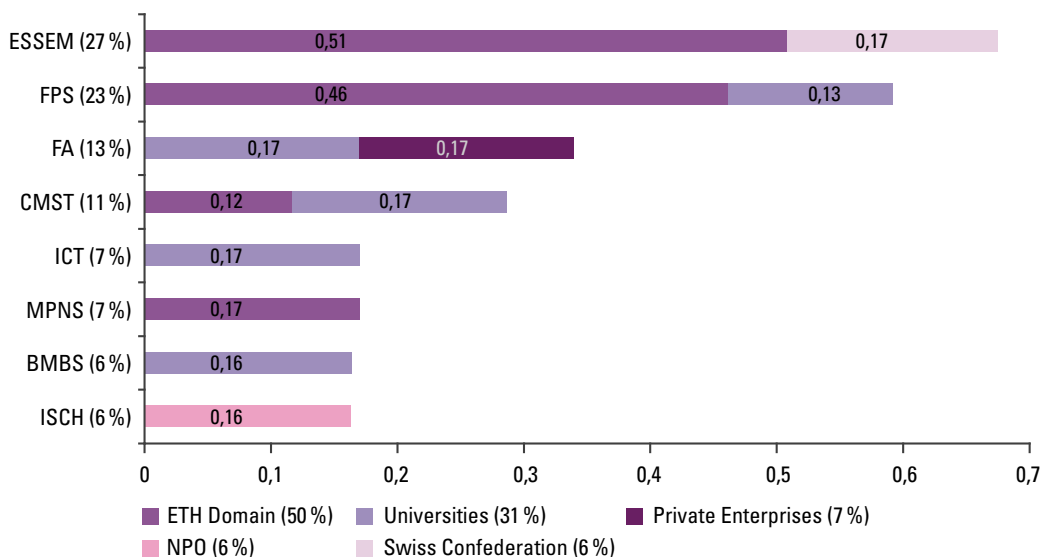
### Switzerland’s total budget for COST-related activities (2008-2011)

#### Commitment credit

Switzerland’s commitment credit for COST-related activities for the period 2008 – 2011 stands at CHF 28 million. Of this total, CHF 2.56 million was allocated in 2010 to projects in the various COST Domains. The commitments in 2010 were somewhat lower than in previous years to secure the cash flow for the remaining year of this financial period.

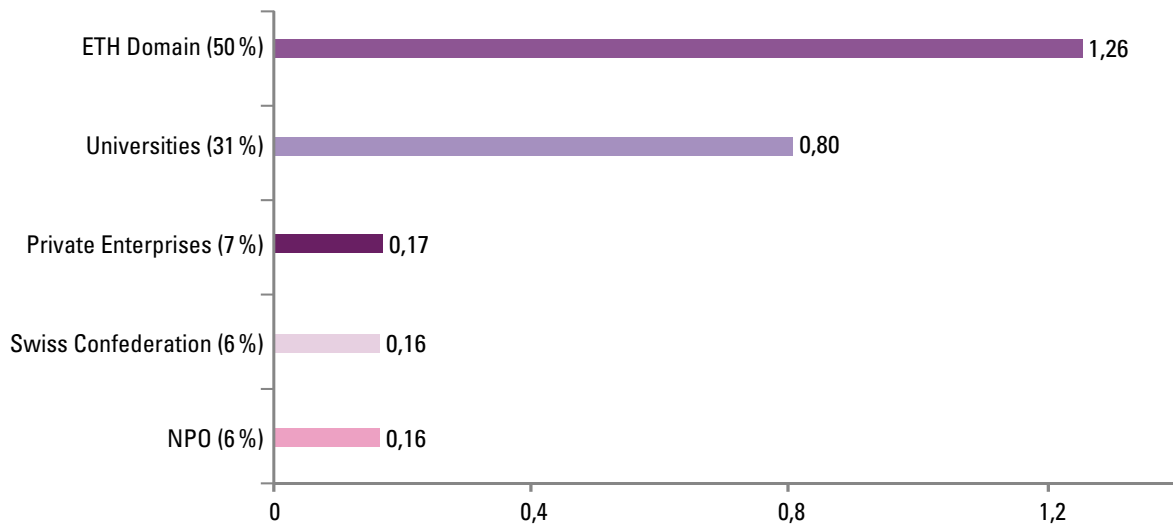
Table 1 and Figure 2 show that only two COST Domains, Earth System Science and Environmental Management (ESSEM) and Forests, their Products and Services (FPS) got allocated more than CHF 500.000. Allocations ranging between CHF 200.000 and CHF 400.000 went to Food and Agriculture (FA) and Chemistry and Molecular Sciences and Technologies (CMST). The four areas, Information and Communication Technologies (ICT), Individuals, Societies, Cultures and Health (ISCH), Biomedicine and Molecular Biosciences (BMBS) and Materials, Physical and Nanosciences (MPNS) received less than CHF 180.000 (see Figure 2 and Table 1).

Figure 2: Distribution of commitments by scientific domain and type of institution in 2010 (total CHF 2.56m)



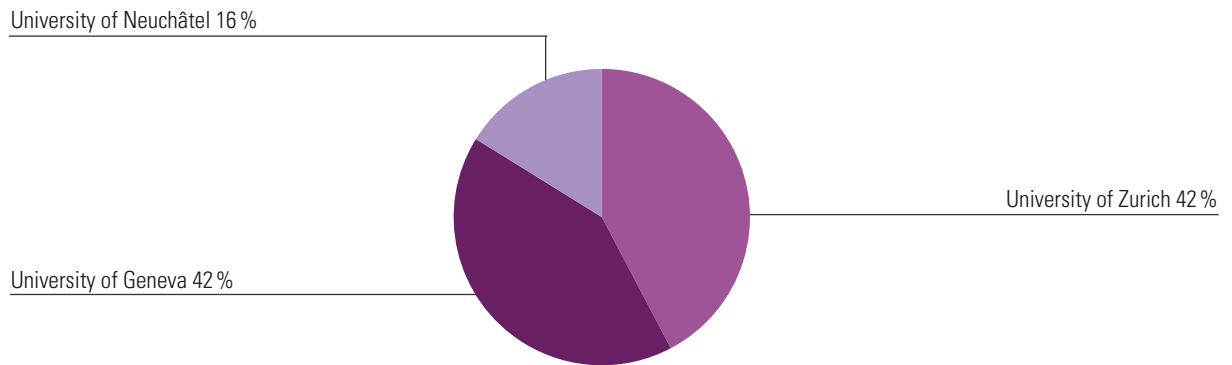
COST is primarily an instrument for tertiary-level institutions (Figure 3): 50% of the allocations went to the ETH Domain and 31% went to cantonal universities. Private institutions received 7% and Non profit organization (NPO) received 6% of a share of the funding allocated in 2010. The Swiss government’s research institutes (e.g. Agroscope, MeteoSwiss, etc.) secured 6% of the funding allocated in 2010.

Figure 3: Distribution of commitments by type of institution in 2010 (total CHF 2.56m)



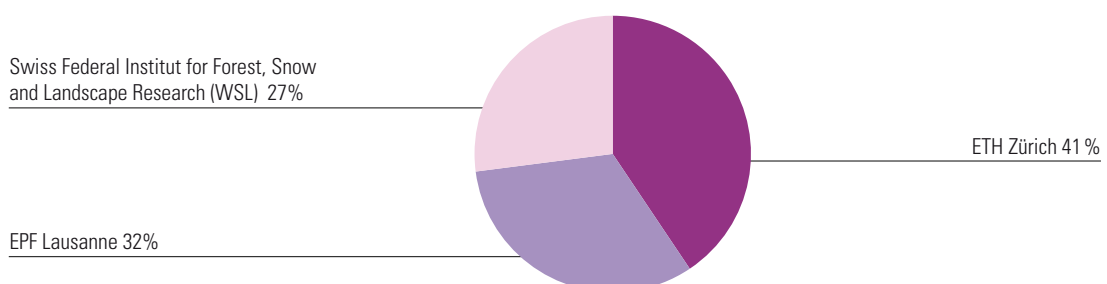
More than half of the funding allocated to cantonal universities in 2010 (Figure 4) went to western Switzerland: the University of Geneva (42%) and the University of Neuchâtel (16%). The University of Zurich received 42%.

Figure 4: Commitments in 2010: distribution among the universities (total CHF 0.803m)



Within the ETH domain (Figure 5), funding was allocated as follows: ETH Zurich (41%); EPF Lausanne (32%) and the Federal Institute for Forest, Snow and Landscape Research in Birmensdorf (WSL) (27%).

Figure 5: Commitments in 2010: distribution within the ETH Domain (total CHF 1.256m)

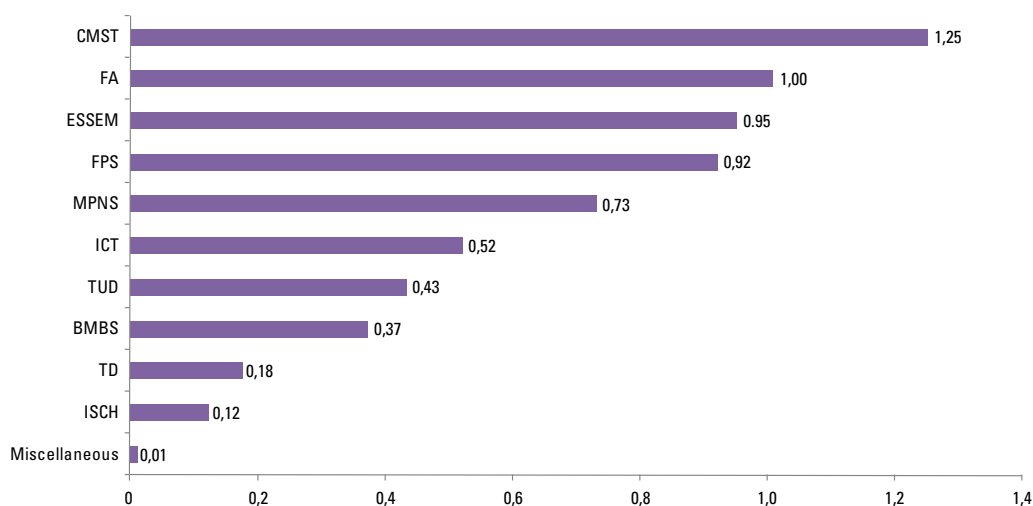


### Budget for COST-related activities

Switzerland's 2010 budget for COST-related activities amounted to CHF 6.5 million. This funding was fully allocated (Table 2).

The highest amount of funding (CHF 1 million or more) went to two main COST Domains: 1) Chemistry and Molecular Sciences and Technologies (CMST) (CHF 1.25 million) and 2) Food and Agriculture (FA) (CHF 1 million). The following four COST Domains received the following payments (over CHF 500.000): Earth System Science and Environmental Management (ESSEM) (CHF 950.000), Forests, their Products and Services (FPS) (CHF 922.000), Materials, Physical and Nanosciences (MPNS) (CHF 731.000) and Information and Communication Technologies (ICT) (CHF 523.000). Finally Transport and Urban Development (TUD) (CHF 433.000), Biomedicine and Molecular Biosciences (BMBS) (CHF 371.000), Trans Domain (TD) (CHF 175.000) and Individuals, Societies, Cultures and Health (ISCH) (122.000) received less than CHF 450.000 each in 2010 (see Figure 6).

Figure 6: Payments by scientific domain in 2010 (total CHF 6.49m)



### Swiss COST evaluation and impact study

In the subsidy report issued by the Federal Council on 30 May 2008, the State Secretariat for Education and Research (SER), which is part of the Federal Department of Home Affairs (FDHA), was asked to conduct a review of public service activities to determine whether an independent COST grant funding channel (i.e. the SER/COST budget) was truly necessary.

In response to this mandate and in anticipation of the next Federal Council Dispatches on the Promotion of Education, Research and Innovation, the SER commissioned two consulting firms to conduct an impact analysis of Swiss involvement in COST: Interface Policy Studies Research Consulting in Lucerne; and Technopolis Forschungs- und Beratungsgesellschaft, in Vienna.

Statistical data from SER's own COST database were analysed and other COST-related documents and studies from Switzerland and abroad were assessed. Researchers also were contacted for the purpose of filling out an online questionnaire. Respondents included not only researchers who had taken part in COST Actions but also those who had not yet had any experience with COST. In addition, three case studies were conducted on Swiss projects sponsored within the framework of various COST Actions. Finally, interviews were held with experts.

At the heart of the study, questions were raised to determine the degree of familiarity with COST, the level of satisfaction of participants, the importance of COST for Swiss researchers and the level of support that participants received from the SER's COST competency centre. The impact analysis also carefully considered the impact of COST grants and the cost/benefit ratio.

The impact analysis report confirms that the research projects sponsored by the SER within the framework of COST Actions have had a generally positive scientific, economic, and social impact. The report also states that specific project

grants pave the way for the next generation of scientists and encourage the mobility of junior researchers. The report also shows that national and international cooperation has helped to reduce the level of fragmentation of research in Switzerland. Participation in a COST Action can also improve one's chances of successfully taking part in other programmes (e.g. EU framework programmes). All of the empirical methods used (i.e. the online questionnaire, the case studies and interviews with experts) point to the fact that SER-sponsored projects have a positive cost/benefit ratio. In addition to the positive scientific effects, the report revealed that the projects also had socioeconomic and socio-political effects. Finally, the study found that the SER's COST competency centre was competent, transparent, efficient and deemed entirely satisfactory by the researchers who took part in the study.

To sum up, the report confirms that COST plays an important role as a precursor to future research cooperation as well as an instrument to foster the development of junior researchers. The complementary roles of COST, the cumulative effects of COST grants and the significant socioeconomic impact were all deemed relevant.

Looking towards the future, the report makes three recommendations:

- COST grant funding should continue;
- COST-related information gaps should be closed;
- Clearer distinctions should be made between the criteria used to award COST grants and the criteria used to award other grants.

Recommendations 2 and 3 have already been acted upon. SER's information practices regarding COST will be analysed, intensified and adapted to current conditions. Initial steps have also been taken to ensure that SER-sponsored projects are even more closely aligned with the objectives of each COST Action. Additional steps to implement the recommendations made on the basis of the impact analysis will be taken in the upcoming months as well as after release of the Federal Council Dispatch on the Promotion of Education, Research and Innovation for 2013 – 2016.

### COST events and publications in Switzerland

In 2010, COST was represented at a number of information events to raise the level of awareness of COST activities within the Federal Administration and the Swiss research community. The COST Competence Centre at SER works on a regular and efficient basis with the Euresearch information network.

Below is a list of the most important 2010 events that COST carried out or was involved in.

- COST Presentation „*COST – a flexible research networking tool to foster innovation*“ at the „Research & Innovation in the Food Sector“ Conference and „one to one“ meetings, Bern, 22 April 2010
- COST Presentation at the „Clinical Trials Unit - CTU“ at Inselspital, Bern, 11 May 2010
- COST Presentation at the annual Euresearch retreat, Olten, 17 May 2010
- Participation of COST at the conference „Schweizer Beteiligung an internationaler Berggebiets-Forschung: Benefits für Politik und Verwaltung“, Bern, 25 June 2010
- COST Presentation „*La spécificité du réseau COST*“ at the Food, Agriculture and Biotechnology Event, University of Lausanne, 1 July 2010
- Swiss COST Grant Holder Meeting, Bern, 28 September 2010
- COST Cluster Meeting - Life Sciences (BMBS, FA, FPS), Bern, 11 November 2010
- COST Cluster Meeting - Science in Society (ICT, ISCH, TUD), Bern, 16 November 2010
- COST Cluster Meeting - Natural Sciences (CMST, ESSEM, MPNS), Bern, 25 November 2010

### Information materials produced in 2010:

- Euresearch Info (regular involvement)
- Swiss COST Annual Report 2009 (600 copies distributed)
- Swiss COST CD-ROM 2010 with scientific short reports, annual report and documentation on COST (600 copies circulated)

### **COST Action meetings in Switzerland, which were partially sponsored by the SER:**

The SER spent a total of CHF 9000.- to partially fund 2 international conferences or workshops in Switzerland. These events were related to the COST Actions:

- COST BM0802: COST Action Meeting “Life or death of protozoan parasites (Working Groups and MC Meeting)”, Lausanne, 11-13 April 2010
- COST IC0803: 5th management Committee/Working Group Meeting and Workshop “RF/Microwave Communication Subsystems for Emerging Wireless Technologies”, Lausanne, 8-9 November 2010

Switzerland’s National COST Coordinator also attended the following events and helped to prepare several documents for the COST CSO:

- COST Ministerial Conference, 14-15 June 2010
- Three CSO meetings (23-24 March, 24-25 May, 2-3 December 2010)
- Two JAF meetings (24-25 February and 3-4 November 2010)
- One COST-ESF High Level Group and strategy meeting (11-12 November 2010)

## **COST at the international level in 2010**

### **Committee of Senior Officials (CSO)**

#### **▪ COST Ministerial Conference on 15 June 2010:**

The Representatives of the Governments of the COST Member States and of the European Commission met at the COST Ministerial Conference in Palma de Mallorca at the invitation of the Spanish Ministry of Science and Innovation. The Conference took stock of the developments in COST operations since the last Ministerial Conference in 2003 and discussed the future role of COST to contribute to achieving the objectives of the European Research and Innovation Area (ERA) and priorities of the EU 2020 strategy.

The delegations endorsed a Declaration on COST. (Annex 1).

Four CSO meetings took place in 2010: 23-24 March, 8 June, 24-25 May, 2-3 December 2010

- **Amendment to the COST contract (between the European Commission and the ESF):** The third amendment to the COST contract between the European Commission and the European Science Foundation (ESF) was signed in June 2010. This contract covers COST funding for 2010/2011.

#### **▪ Legal form of COST:**

It was confirmed during 2010 that the ESF does not wish to maintain the function of implementing agent for COST after 2013 due to their own internal developments.

An independent legal body, called the “COST Office Association” has been founded under Belgian law on 12 July 2010. The statutes have been published in the “Moniteur Belge” in September 2010. Founding members are: Bosnia & Herzegovina, Bulgaria, Croatia, Czech Republic, Finland, Germany, Hungary, Italy, Spain and Turkey.

Switzerland is, at present, not a member of this association.

The COST Office association may become the implementing agent for COST after 2013.

- **COST Open Call:**

**COST Open Call 2009-2:** In the Open Call 2009-2 (deadline 25 September 2009), a total of 467 COST Action proposals were submitted, 12 of which were from Switzerland. After the initial selection, 80 researchers were asked to prepare and submit full proposals. The CSO has accepted 30 new COST Actions, among which 2 Swiss proposals, in its meeting 25-26 May 2010 in Riga.

**COST Open Call 2010-1:** In the Open Call 2010-1 (deadline 25 March 2009), a total of 583 COST Action proposals were submitted, 16 of which were from Switzerland. After the initial selection, 77 researchers were asked to prepare and submit full proposals. The CSO has accepted 30 new COST Actions on 2 December 2010 resulting from this call.

- **COST Fund:** The COST Fund covers the CSO's operating costs. The Financial Report 2010 and Budget 2011 were approved by the CSO. This year's auditing of the COST Fund took place on 18 January 2010 and was done by the Swiss and the Belgian CSO members.

The CSO asked COST member countries to make a third contribution to the 5<sup>th</sup> COST Fund (based on CSO Decision reached on 10-11 March 2003). Switzerland's contribution will be EUR 6741.- (total Swiss contribution: EUR 26962.-) to be paid by June 2011.

- **Membership of Bosnia and Herzegovina in COST:** the application for COST membership by Bosnia and Herzegovina has been confirmed by the COST Ministerial Conference in Spain in June 2010.
- **COST reciprocal agreements:** A new reciprocal agreement has been signed with Argentina for the duration of 5 years.

#### **Executive Group of the CSO (JAF)<sup>1</sup>**

The JAF met five times in 2010 (24-25 February, 28-29 April, 21 May, 16 September, 3-4 November) for the purpose of preparing for the Ministerial Conference and the CSO meetings.

- **Participation of research institutes from non-COST member countries:** In the three meetings held in 2010, the JAF Group confirmed that research institutes from about 120 research institutions from Egypt, Albania, Algeria, Argentina, Armenia, Azerbaijan, Australia, Brazil, Belarus, Canada, China / Hong Kong, Columbia, India, Japan, Korea, Morocco, Moldavia, New Zealand, Pakistan, Russia, South Africa, Taiwan, Tunisia, USA, Ukraine as well as the European Commission (JRC) will be taking part in various COST Actions.

#### **Scientific COST Secretariat (= COST Office) in Brussels**

In 2010 the COST Office published the 2009 Annual Report and a booklet entitled "About COST 2010". Both publications were sent to all Swiss participants in COST and to a broader public. They were also distributed at various events.

In 2010, the COST Office published 3 issues of the COST Office Newsletter, which is distributed to interested parties in Switzerland (Swiss mailshot to 700 addresses).

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<sup>1</sup> This group deals with legal, administrative, financial and strategic questions on behalf of the Committee of Senior Officials (CSO).

## Glossary

COST	European Cooperation in Science and Technology
CSO	Committee of Senior Officials
ERA	European Research Area
ESF	European Science Foundation
ETH	Federal Institutes of Technology (Lausanne and Zurich)
JAF	Executive Group of the CSO
WSL	Federal Institute for Forest, Snow and Landscape Research in Birmensdorf
EMPA	Swiss Federal Laboratories for Materials Testing and Research

## COST domains:

BMBS	Biomedicine and Molecular Biosciences
CMST	Chemistry and Molecular Sciences and Technologies
ESSEM	Earth System Science and Environmental Management
FA	Food and Agriculture
FPS	Forests, their Products and Services
ISCH	Individuals, Societies, Cultures and Health
ICT	Information and Communication Technologies
MPNS	Materials, Physical and Nanosciences
TUD	Transport and Urban Development
Other	IE = Interdisciplinary Exploratoria / TD = Trans Domain Projects

## Swiss Delegates in the Domain Committees (DC)

### ICT – COST Domain: Information and Communication Technologies

Ansorge Michael, University of Applied Sciences Western Switzerland, College of Engineering and Architecture, 1705 Fribourg, michael.ansorge@hefr.ch

### TUD – COST Domain: Transport and Urban Development

Hüsler Willy, W. Hüsler AG, IBV Ingenieurbüro für Verkehrsplanung, 8001 Zurich, ibv@ibv-zuerich.ch

### MPNS – COST Domain: Materials, Physical and Nanosciences

Rohr Lukas, Bern University of Applied Sciences, Engineering and Information Technology, 2501 Biel/Bienne, lukas.rohr@bfh.ch

### ESSEM - COST Domain: Earth System Science and Environmental Management

Saskia Willemse, Federal Institute for Meteorology and Climatology, MeteoSwiss, 8046 Zurich, saskia.willemse@meteoswiss.ch

### FA – COST Domain: Food and Agriculture

Schwitzguébel Jean-Paul, EPF Lausanne, 1015 Lausanne, jean-paul.schwitzguebel@epfl.ch

### ISCH – COST Domain: Individuals, Societies, Cultures and Health

NN

### BMBS – COST Domain: Biomedicine and Molecular Biosciences

Balant Luc, Geneva, luc.balant@romandie.com

### CMST – COST Domain: Chemistry and Molecular Sciences and Technologies

Renaud Philippe, University of Berne, 3012 Berne, philippe.renaud@ioc.unibe.ch

### FPS – COST Domain: Forests, Their Products and Services

Pichelin Frédéric, Bern University of Applied Sciences, Architecture, Wood and Civil Engineering, 2500 Biel/Bienne 6, frederic.pichelin@bfh.ch

## Running Actions with Swiss participation and their Swiss Delegates (=Coordinators) in the Management Committee (MC) of the respective Action

### Actions completed in 2010 or Actions decided by SER in 2010

#### ICT - Information and Communication Technologies

Action	Title	Name, First Name	Institution	E-Mail
<b>298</b>	Participation in the Broadband Society (Complete Jan 2010)	Heinzmann Peter	CNLAB, Rapperswil	peter.heinzmann@cnlab.ch
		von Stokar Thomas	INFRAS, Zürich	thomas.vonstokar@infras.ch
<b>299</b>	Optical Fibres for New Challenges Facing the Information Society (Complete Jan 2010)	Thévenaz Luc	EPFL	luc.thevenaz@epfl.ch
		Beugnot Jean-Charles		jean-charles.beugnot@epfl.ch
		Krainer Lukas	Onefive GmbH, Zürich	Lukas.krainer@onefive.com
<b>2100</b>	Pervasive Mobile & Ambient Wireless Communications (Complete Dec 2010)	Wittneben Armin	ETHZ	wittneben@nari.ee.ethz.ch
<b>2101</b>	Biometrics for Identity Documents and Smart cards (BIDS) (Complete Dec 2010)	Drygajlo Andrzej	EPFL	andrzej.drygajlo@epfl.ch
		Richiardi Jonas		jonas.richiardi@epfl.ch
		Kryszczuk Krzysztof	PatternLab, Lausanne	kkryszczuk@patternlab.ch
<b>2102</b>	Cross-Modal Analysis of Verbal and Non-Verbal Communication (Complete Nov 2010)	Tschacher Wolfgang	Uni BE	tschacher@spk.unibe.ch
<b>IC0601</b>	Sonic Interaction Design (SID)	Crevoisier Alain	HES-SO, HEIG-VD Yverdon	alain.crevoisier@heig-vd.ch
		Franinovic Karmen	FHS-ZH	k.franinovic@gmail.com
<b>IC0602</b>	Algorithmic Decision Theory	Pu Pearl H.Z.	EPFL	pearl.pu@epfl.ch
		Pratsini Eleni	IBM, Rueschlikon	pra@zurich.ibm.com
		Mosig Juan R.	EPFL	juan.mosig@epfl.ch
<b>IC0603</b>	Antenna Systems & Sensors for Information Society Technologies	Vaccaro Stefano	JAST, Lausanne	stefano.vaccaro@jast.ch
<b>IC0604</b>	Anatomic Telepathology Network (EURO-TELEPATH)	Ebrahimi Touradj	EPFL	touradj.ebrahimi@epfl.ch
		Pospischil Andreas	Uni ZH	apos@vetpath.uzh.ch
<b>IC0701</b>	Formal Verification of Object-Oriented Software	Kuncak Viktor	EPFL	viktor.kuncak@epfl.ch
		Mueller Peter	ETHZ	peter.mueller@inf.ethz.ch
<b>IC0702</b>	Combining Soft Computing Techniques and Statistical Methods to Improve Data Analysis Solutions	Crestani Fabio	USI Lugano	fabio.crestani@lu.unisi.ch
		Gilli Manfred	Uni GE	manfred.gilli@unige.ch
<b>IC0703</b>	Data Traffic Monitoring and Analysis: theory, techniques, tools and applications for the future networks	Konstantas Dimitri	Uni GE	dimitri.konstantas@unige.ch
		until Mar 2010: May Martin	ETHZ	may@tik.ee.ethz.ch
		new: Dimitropoulos Xenofontas		fontas@tik.ee.ethz.ch
<b>IC0801</b>	Agreement Technologies	Schumacher Michael Ignaz	HES-SO, Wallis, Sierre	michael.schumacher@hevs.ch
		Colombetti Marco	USI Lugano	marco.colombetti@lu.unisi.ch
<b>IC0802</b>	Propagation tools and data for integrated Telecommunication, Navigation and Earth Observation systems	Berne Alexis	EPFL	alexis.berne@epfl.ch
<b>IC0803</b>	RF/Microwave Communication Subsystems for Emerging Wireless Technologies (RFCSET)	Mattes Michael	EPFL	michael.mattes@epfl.ch
<b>IC0804</b>	Energy efficiency in large scale distributed systems	Braun Torsten	Uni BE	braun@iam.unibe.ch
		Kropf Peter	Uni NE	peter.kropf@unine.ch
<b>IC0805</b>	Open European Network for High Performance Computing on Complex Environments	Chopard Bastien	Uni GE	bastien.chopard@unige.ch
		Kuonen Pierre	HES-SO EIA, Fribourg	pierre.kuonen@hefr.ch
<b>IC0806</b>	Intelligent Monitoring, Control and Security of Critical Infrastructure Systems	Lygeros John	ETHZ	jlygeros@ethz.ch
		Sami Maria Giovanna	USI Lugano	maria.giovanna.sami@lusi.ch

<b>IC0901</b>	Rich-Model Toolkit: An Infrastructure for Reliable Computer Systems	Kuncak Viktor Sharygina Natasha Buchs Didier	EPFL USI Lugano Uni GE	viktor.kuncak@epfl.ch natasha.sharygina@usi.ch didier.buchs@unige.ch
<b>IC0903</b>	MOVE: Knowledge Discovery from Moving Objects	Weibel Robert	Uni ZH	weibel@geo.uzh.ch
<b>IC0904</b>	TOwards the IntegRation of TransecTOrial IT DeSign and Evaluation (TORTOISE)	Spaccapietra Stefano Law Lai-Chong Effie	EPFL ETHZ	stefano.spaccapietra@epfl.ch law@tik.ee.ethz.ch
<b>IC0905</b>	Techno-Economic Regulatory Framework for Radio spectrum Access for Cognitive Radio/Software Defined Radio - TERRA	von der Emden Dirk-Oliver	UVEK	dirk-olivier.von-der-emden@bakom.admin.ch
<b>IC0906</b>	Wireless Networking for Moving Objects (WiNeMO)	Braun Torsten	Uni BE	braun@iam.unibe.ch
<b>IC1001</b>	Transactional Memories: Foundations, Algorithms, Tools, and Applications (Euro-TM)	Felber Pascal Guerraoui Rachid	Uni NE	pascal.felber@unine.ch rachid.guerraoui@epfl.ch
<b>IC1003</b>	European Network on Quality of Experience in Multimedia Systems and Services (QUALINET)	Ebrahimi Touradj Ansoerge Michael	EPFL HEFR, Fribourg	touradj.ebrahimi@epfl.ch michael.ansoerge@hefr.ch

#### TUD – Transport and Urban Development

Action	Title	Name, First Name	Institution	E-Mail
<b>356</b>	Towards the definition of a measurable environmentally sustainable transport (Complete Jan 2010)	Wäger Patrick	EMPA, St. Gallen	patrick.waeger@empa.ch
<b>358</b>	Pedestrians' Quality Needs (Complete Nov 2010)	Sauter Daniel	Urban Mobility Research, Zürich	daniel.sauter@urban-mobility.ch
		Von Der Mühl Dominique	EPFL	dominique.vondermuehl@epfl.ch
<b>C25</b>	Sustainability of Constructions – Integrated Approach to Life-time Structural Engineering (Complete Dec 2010)	Cadoni Ezio	SUPSI, Cannobio	ezio.cadoni@supsi.ch
		Teruzzi Tiziano	SUPSI, Cannobio	tiziano.teruzzi@supsi.ch
<b>C26</b>	Urban Habitat Constructions under Catastrophic Events (Complete Jun 2010)	Faber Michael H.	ETHZ	faber@ibk.baug.ethz.ch
<b>C27</b>	Sustainable Development Policies for Minor Deprived Urban Communities (Complete Nov 2010)	Boulianne Louis-M. Richoiz Simon	EPFL Uni LS	louis.boulianne@epfl.ch simon.richoiz@unil.ch
<b>TU0601</b>	Robustness of Structures	Faber Michael H. Hoj Niels Peter	ETHZ Hoj Consulting, Brunnen	faber@ibk.baug.ethz.ch niels.hoj@hoj.ch
<b>TU0602</b>	Land Management for Urban Dynamics	Golay François Prélaz-Droux Roland	EPFL HES-SO HEIG-VD, Yverdon	francois.golay@epfl.ch roland.prelaz-droux@heig-vd.ch
<b>TU0603</b>	Buses with a high level of service	Weidmann Ulrich	ETHZ	weidmann@ivt.baug.ethz.ch
<b>TU0701</b>	Improving the Quality of Suburban Building Stocks	Huber Joachim	BFH-AHB, Burgdorf	joachim.huber@bfh.ch
<b>TU0702</b>	Real-time Monitoring, Surveillance and Control of Road Networks under Adverse Weather Conditions	Bhaskar Ashish Cypra Thorsten	EPFL Boschung Mecatronic AG, Granges-Paccot	ashish.bhaskar@epfl.ch thorsten.cypra@boschung.com
<b>TU0801</b>	Semantic enrichment of 3D city models for sustainable urban development	Métral Claudine Streilein André	Uni GE Swisstopo, Bern	Claudine.Metral@unige.ch andre.streilein@swisstopo.ch
<b>TU0802</b>	Next generation cost effective phase change materials for increased energy efficiency in renewable energy systems in buildings. NeCoE-PCM	Weber Robert Egolf Peter	EMPA, Dübendorf HEIG-VD, Yverdon-les-Bains	robert.weber@empa.ch peter.egolf@heig-vd.ch

<b>TU0803</b>	Cities Regrowing Smaller – Fostering Knowledge on Regeneration Strategies in Shrinking Cities across Europe	Schumacher Maresa	yellow z urbanism architecture AG, Zürich	zuerich@yellowz.net
		Schenkel Walter	Synergo, Zürich	schenkel@synergo.ch
<b>TU0804</b>	SHANTI – Survey Harmonisation with New Technologies Improvement	Axhausen Kay W.	ETHZ	axhausen@ivt.baug.ethz.ch
<b>TU0901</b>	Integrating and Harmonizing Sound Insulation Aspects in Sustainable Urban Housing Constructions	Krajci Lubos	EMPA, Dübendorf	lubos.krajci@empa.ch
		Desarnaulds Victor	EcoAcoustique SA, Lausanne	desarnaulds@ecoacoustique.ch
<b>TU0902</b>	Integrated assessment technologies to support the sustainable development of urban areas	Pütz Marco	WSL, Birmensdorf	marco.puetz@wsl.ch
		van Wezemaal Joris	Uni FR	joris.vanwezemaal@unifr.ch
<b>TU0903</b>	Methods and tools for supporting the use, calibration and validation of traffic simulation models	Flötteröd Gunnar	EPFL	gunnar.floetteroed@epfl.ch
<b>TU0904</b>	Integrated Fire Engineering and Response	Frangi Andrea	ETHZ	frangi@ibk.baug.ethz.ch
		Köhler Jochen	ETHZ	jochen.koehler@ibk.baug.ethz.ch
<b>TU0905</b>	Structural Glass: Novel Design Methods and Next Generation Products	Lebet Jean-Paul	EPFL	jean-paul.lebet@epfl.ch
		Louter Christian	EPFL	christian.louter@epfl.ch
<b>TU1001</b>	Public Private Partnerships in Transport: Trends and Theory	Lienhard Andreas	Uni BE	andreas.lienhard@kpm.unibe.ch
		Jeanrenaud Claude	Uni NE	claud.jeanrenaud@unine.ch

**MPNS – Materials, Physical and Nanosciences**

Action	Title	Name, First Name	Institution	E-Mail
<b>540</b>	Photocatalytic technologies and novel nanosurfaces materials –critical issues (“PHONASUM”) (Complete Jan 2010)	Kiwi John	EPFL	john.kiwi@epfl.ch
		Pulgarin César	EPFL	cesar.pulgarin@epfl.ch
<b>543</b>	Research and Development of Bioethanol Processing for Fuel Cells	Diethelm Stefan	EPFL	stefan.diethelm@epfl.ch
<b>P15</b>	Advanced Paramagnetic Resonance Methods in Molecular Biophysics (Complete Feb 2010)	Palivan Cornelia	Uni BS	cornelia.palivan@unibas.ch
		Jeschke Gunnar	ETHZ	gunnar.jeschke@phys.chem.ethz.ch
<b>P19</b>	Multiscale modeling of materials (Complete Feb 2010)	Vallée Till	BFH – AHB, Biel/Bienne	till.vallee@bfh.ch
<b>P20</b>	Large-Eddy Simulation for Advanced Industrial Design (“LES-AID”) (Complete Feb 2010)	Kleiser Leonhard	ETHZ	kleiser@ifd.mavt.ethz.ch
<b>P21</b>	Physics of droplets (Complete Oct 2010)	Wolf Jean-Pierre	Uni GE	jean-pierre.wolf@unige.ch
<b>MP0601</b>	Short Wavelength Laboratory Sources	Bleiner Davide	Uni BE	davide.bleiner@iap.unibe.ch
<b>MP0602</b>	Advanced Solder Materials for High Temperature Application (HISOLD)	Botsis John	EPFL	john.botsis@epfl.ch
		Janczak-Rusch Jolanta	EMPA, Dübendorf	jolanta.janczak@empa.ch
<b>MP0603</b>	Chemical imaging by means of CARS-microscopy	Wolf Jean-Pierre	Uni GE	jean-pierre.wolf@unige.ch
<b>MP0604</b>	Optical Micro-Manipulation by Nonlinear Nanophotonics	Salathé René	EPFL	rene.salathe@epfl.ch
<b>MP0701</b>	Composites with Novel Functional and Structural Properties by Nanoscale Materials (Nano Composite Materials-NCM)	Plummer Christopher	EPFL	christopher.plummer@epfl.ch
		Vaucher Sébastien	EMPA, Thun	sebastien.vaucher@empa.ch
<b>MP0702</b>	Towards Functional Sub-Wavelength Photonic Structures	Houdré Romuald	EPFL	romuald.houdre@epfl.ch
<b>MP0801</b>	Physics of Competition and Conflicts	Schweitzer Frank	ETHZ	fschweitzer@ethz.ch
		De Los Rios Paolo	EPFL	paolo.delosrios@epfl.ch
<b>MP0802</b>	Self-assembled guanosine structures for molecular electronic devices	Luedtke Nathan W.	Uni ZH	luedtke@oci.uzh.ch

<b>MP0803</b>	Plasmonic components and devices	Martin Olivier J.F. until Dec 2010: Sandoghdar Vahid new Aug 2010: Agio Mario	EPFL ETHZ	olivier.martin@epfl.ch vahid.sandoghdar@ethz.ch
<b>MP0804</b>	Highly Ionised Pulse Plasma Processes	Patscheider Jörg Kiwi John	EMPA, Dübendorf EPFL	mario.agio@phys.chem.ethz.ch joerg.patscheider@empa.ch john.kiwi@epfl.ch
<b>MP0805</b>	Novel Gain Materials and Devices Based on III-V-N Compounds	Kapon Eli	EPFL	eli.kapon@epfl.ch
<b>MP0806</b>	Particles in turbulence	Luethi Beat	ETHZ	beat.luethi@ifu.baug.ethz.ch
<b>MP0901</b>	Designing novel materials for nanodevices: From Theory to Practise (NanoTP)	Haluska Miroslav Erni Rolf	ETHZ EMPA, Dübendorf	haluska@micro.mavt.ethz.ch rolf.erni@empa.ch
<b>MP0902</b>	Composites of Inorganic Nanotubes and Polymers (COINAPO)	Jazbinsek Mojca Mezzenga Raffaele	Rainbow Photonics AG, Zürich ETHZ	mojca@rainbowphotonics.com raffaele.mezzenga@agrl.ethz.ch
<b>MP0903</b>	Nanoalloys as advanced materials: from structure to properties and applications	Janczak-Rusch Jolanta Brune Harald	EMPA, Dübendorf EPFL	jolanta.janczak@empa.ch harald.brune@epfl.ch
<b>MP0904</b>	Single- and multiphase ferroics and multiferroics with restricted geometries (SIMUFER)	Setter Nava Paruch Patrycja	EPFL Uni GE	nava.setter@epfl.ch Patrycja.Paruch@unige.ch
<b>MP1001</b>	Ion Traps for Tomorrow's Applications	Willitsch Stefan	Uni BS	stefan.willitsch@unibas.ch
<b>MP1003</b>	European Scientific Network for Artificial Muscles (ESNAM)	Kovacs Gabor	EMPA, Dübendorf	gabor.kovacs@empa.ch

#### ESSEM – Earth System Science and Environmental Management

Action	Title	Name, First Name	Institution	E-Mail
<b>637</b>	Metals and Related Substances in Drinking Water (Complete Nov 2010)	Plata Nadia Pfeifer Hans-Rudolf	EPTES, Vevey Uni LS	nadia.plata@eptes.com hans-rudolf.pfeifer@unil.ch
<b>639</b>	Greenhouse gas budget of soils under changing climate and land use (BurnOut) (Complete Dec 2010)	Hagedorn Frank Körner Christian	WSL, Birmensdorf Uni BS	hagedorn@wsl.ch christian.koerner@unibas.ch
<b>729</b>	Assessing and Managing Nitrogen Fluxes in the Atmosphere-Biosphere System in Europe (Complete Mar 2010)	Gehrig Robert	EMPA, Dübendorf	robert.gehrig@empa.ch
<b>731</b>	Propagation of Uncertainty in Advanced Meteo-Hydrological Forecast Systems (Complete Jun 2010)	Zappa Massimiliano Germann Urs	WSL, Birmensdorf MeteoSchweiz	massimiliano.zappa@wsl.ch urs.germann@meteoswiss.ch
<b>733</b>	Harmonisation and Applications of Weather Types Classifications for European Regions (Complete Sep 2010)	Appenzeller Christof Frei Christoph	MeteoSchweiz MeteoSchweiz	christof.appenzeller@meteoswiss.ch christoph.frei@meteoswiss.ch
<b>734</b>	Impacts of Climate Change and Variability on European Agriculture: CLIVAGRI	Calanca Pierluigi	Agroscope ART, Zürich	pierluigi.calanca@art.admin.ch
<b>735</b>	Tools for Assessing Global Air–Sea Fluxes of Climate and Air Pollution Relevant Gases	Gruber Nicolas	ETHZ	nicolas.gruber@env.ethz.ch
<b>ES0601</b>	Advances in chubert tion methods of climate series: an integrated approach (HOME)	Brönnimann Stefan Crocì-Maspoli Mischa	ETHZ MeteoSchweiz	Stefan.bronnimann@env.ethz.ch mischa.crocì-maspoli@meteoswiss.ch
<b>ES0603</b>	Assessment of production, release, distribution and health impact of allergenic pollen in Europe (EUPOL)	Gehrig Bichsel Regula Michel Dominik	MeteoSchweiz Uni BS	regula.gehrig@meteoswiss.ch dominik.michel@unibas.ch

<b>ES0604</b>	Atmospheric Water Vapour in the Climate System (WaVaCS)	Kämpfer Niklaus	Uni BE	niklaus.kaempfer@mw.iap.unibe.ch
<b>ES0701</b>	Improved Constraints on Models of Glacial Isostatic Adjustment	Dach Rolf	Uni BE	rolf.dach@aiub.unibe.ch
<b>ES0702</b>	European Ground-Based Observations of Essential Variables for Climate and Operational Meteorology (EG-CLIMET)	Ruffieux Dominique until Apr 2010: Mätzler Christian new: Kämpfer Niklaus	MeteoSchweiz  Uni BE	dominique.ruffieux@meteoswiss.ch matzler@iap.unibe.ch niklaus.kaempfer@iap.unibe.ch
<b>ES0801</b>	The ocean chemistry of bioactive trace elements and paleoclimate proxies	Reynolds Ben	ETHZ	reynolds@erdw.ethz.ch
<b>ES0802</b>	Unmanned aerial systems (UAS) in atmospheric research	Neininger Bruno	ZHAW, Winterthur	nuno@zhaw.ch
<b>ES0803</b>	Developing space weather products and services in Europe	Schmutz Werner Flückiger Erwin O.	WRC, Davos Uni BE	werner.schmutz@pmodwrc.ch erwin.flueckiger@space.unibe.ch
<b>ES0804</b>	Advancing the integrated monitoring of trace gas exchange between biosphere and atmosphere	Ammann Christof Buchmann Nina	Agroscope ART, Zürich ETHZ	christof.ammann@art.admin.ch nina.buchmann@ipw.agrl.ethz.ch
<b>ES0805</b>	The Terrestrial Biosphere in the Earth System	Kaplan Jed O. Hodson Elke	EPFL WSL, Birmensdorf	jed.kaplan@epfl.ch elke.hodson@wsl.ch
<b>ES0806</b>	Stable Isotopes in Biosphere-Atmosphere-Earth System Research (SIBAE)	Buchmann Nina Emmenegger Lukas	ETHZ EMPA, Dübendorf	nina.buchmann@ipw.agrl.ethz.ch lukas.emmenegger@empa.ch
<b>ES0902</b>	Permafrost and gas hydrate related methane release in the Arctic and impact on climate change: European cooperation for long-term monitoring: PERGAMON	Kipfer Rolf Schubert Carsten	EAWAG, Dübendorf EAWAG, Dübendorf	rolf.kipfer@eawag.ch carsten.schubert@eawag.ch
<b>ES0903</b>	Spectral sampling tools for vegetation Biophysical Parameters and Flux measurements in Europe	Kneubühler Mathias	Uni ZH	kneub@geo.uzh.ch
<b>ES0905</b>	Basic Concepts for Convection Parameterization in Weather Forecast and Climate Models	Arpagaus Marco	MeteoSchweiz	marco.arpagaus@meteoswiss.ch
<b>ES0907</b>	The INTIMATE Project: INTeegrating Ice core, MARine and TERrestrial records (60,000 to 8000 years ago)	Hajdas Irena	ETHZ	hajdas@phys.ethz.ch
<b>ES1002</b>	Short-Term High Resolution Wind and Solar Energy Production Forecasts	Heimo Alain Cattin René Calpini Bertrand	Meteotest Meteotest MeteoSchweiz	Heimo@meteotest.ch rene.cattin@meteotest.ch bertrand.calpini@meteoswiss.ch

**FA – Food and Agriculture**

Action	Title	Name, First Name	Institution	E-Mail
<b>862</b>	Bacterial toxins for insect control (Complete Aug 2010)	Keel Christoph	Uni LS	christoph.keel@unil.ch
<b>863</b>	Euroberry Research: from Genomics to Sustainable Production, Quality & Health (Complete Sep 2010)	Grunder Jürg M. Carlen Christoph	FHS-ZH, Wädenswil Agroscope ACW, Conthey	j.grunder@hsw.ch christoph.carlen@acw.admin.ch
<b>864</b>	Combining traditional and advanced strategies for plant protection in pome fruit growing	Duffy Brion	Agroscope ACW, Wädenswil	duffy@acw.admin.ch
<b>865</b>	See domain BMBS for Bioencapsulation multiscale interaction analysis			
<b>866</b>	Green Care in Agriculture (Complete Aug 2010)	Bächtiger Jean-Bernard Wydler Hans	FHS-ZH, Wädenswil Agroscope ART, Ettenhausen	j.baechtiger@hsw.ch hans.wydler@art.admin.ch
<b>867</b>	Welfare of Fish in European Aquaculture	Segner Helmut Vaughan Lloyd	Uni BE Uni ZH	helmut.segner@itpa.unibe.ch vaughanl@vetpath.uzh.ch

	renewable polymeric materials	Zinn Manfred	EMPA, St. Gallen	Manfred.Zinn@empa.ch
<b>869</b>	Mitigation options for reducing nutrient emission to surface water and groundwater	Stamm Christian Frossard Emmanuel	EAWAG, Dübendorf ETHZ	christian.stamm@eawag.ch emmanuel.frossard@ipw.agrl.ethz.ch
<b>870</b>	From production to application of arbuscular mycorrhizal fungi in agricultural systems: a multidisciplinary approach	Mascher-Frutschi Sanders Ian R.	Agroscope ACW, Nyon Uni LS	fabio.mascher@acw.admin.ch ian.sanders@unil.ch
<b>871</b>	Cryopreservation of crop species in Europe (Complete Dec 2010)	Angstl Julia Rios Thalmann Elena	ZHAW, Wädenswil ZHAW, Wädenswil	anju@zhaw.ch elena.rios@zhaw.ch
<b>872</b>	Exploiting genomics to understand plant-nematode interactions	Kiewnick Sebastian	Agroscope ACW, Wädenswil	sebastian.kiewnick@acw.admin.ch
<b>873</b>	Bacterial diseases of stone fruits and nuts	Blum Bernard Duffy Brion	Agrometrix Basel Agroscope ACW, Wädenswil	agrometrix.blum@balcab.ch duffy@acw.admin.ch
<b>929</b>	A European Network for Environmental and Food Virology (Complete Nov 2010)	Butot Sophie Beuret Christian	Nestlé, Lausanne BABS, Spiez	sophie.butot@rdls.nestle.com christian.beuret@babs.admin.ch
<b>FA0601</b>	Fish reproduction and fisheries	Rubin Jean-François	Ecole d'Ingénieurs de Lullier EIL, Jussy	jean-francois.rubin@hesge.ch
<b>FA0603</b>	Plant proteomics in Europe (EUPP)	Gruissem Wilhelm until Jun 2010: Baginsky Sacha new: Martinoia Enrico	ETHZ ETHZ Uni ZH	wilhelm.gruissem@ipw.biol.ethz.ch sbaginsky@ethz.ch enrico.martinoia@botinst.uzh.ch
<b>FA0604</b>	Triticeae genomics for the advancement of essential European crops (TritiGen)	Keller Beat Fossati Dario	Uni ZH Agroscope ACW, Nyon	bkeller@botinst.uzh.ch dario.fossati@acw.admin.ch
<b>FA0605</b>	Signaling control of stress tolerance and production of stress protective compounds in plants	Sperisen Christoph Sticher Siu Liliane	WSL, Birmensdorf Uni FR	sperisen@wsl.ch liliane.sticher@unifr.ch
<b>FA0701</b>	Arthropod Symbiosis: From Fundamental Studies to Pest and Disease Management	Aebi Alexandre	Agroscope ART, Zürich	alexandre.aebi@art.admin.ch
<b>FA0702</b>	Maternal Interaction with Gametes and Embryos	until Aug 2010: Dosch Roland new: Nef Serge	Uni GE	roland.dosch@unige.ch serge.nef@unige.ch
<b>FA0801</b>	Critical success factors for fish larval production in European Aquaculture: a multidisciplinary network (LARVANET)	Stamer Andreas	FiBL, Frick	Andreas.stamer@fibl.org
<b>FA0802</b>	Feed for health	Bruckmaier Rupert Hess Hans Dieter	Uni BE Agroscope ALP Posieux	rupert.bruckmaier@physio.unibe.ch dieter.hess@alp.admin.ch
<b>FA0803</b>	Prevention of honeybee Colony Losses (COLOSS)	Neumann Peter Dietemann Vincent	Agroscope ALP, Bern Agroscope ALP, Bern	peter.neumann@alp.admin.ch vincent.dietemann@alp.admin.ch
<b>FA0804</b>	Molecular farming: plants as a production platform for high value proteins	Eibl Regine Gruissem Wilhelm	ZHAW, Wädenswil ETHZ	regine.eibl@zhaw.ch wilhelm.gruissem@ipw.biol.ethz.ch
<b>FA0805</b>	Goat-parasite interactions: from knowledge to control (CAPARA)	Heckendorn Felix Hertzberg Hubertus	FiBL, Frick Uni ZH	felix.heckendorn@fibl.org hubertus.hertzberg@access.uzh.ch
<b>FA0806</b>	Plant virus control employing RNA-based vaccines: A novel non-transgenic strategy.	Hohn Thomas Farinelli Laurent	Uni BS FASTERIS SA, Plan-les-Quates	thomas.hohn@fmi.ch laurent.farinelli@fasteris.com
<b>FA0807</b>	Integrated Management of Phytoplasma Epidemics in Different Crop Systems	Schaerer Santiago Kehrli Patrik	ACW, Nyon ACW, Nyon	santiago.schaerer@acw.admin.ch patrik.kehrli@acw.admin.ch

<b>FA0903</b>	Harnessing plant reproduction for crop improvement	Köhler Claudia Grossniklaus Ueli	ETHZ Uni ZH	koehlerc@ethz.ch grossnik@botinst.uzh.ch
<b>FA0904</b>	Eco-sustainable Food Packaging based on Polymer Nanomaterials	Plummer Christopher Yildirim Selçuk	EPF Lausanne ZHAW, Wädenswil	christopher.plummer@epfl.ch selcuk.yildirim@zhaw.ch
<b>FA0905</b>	Mineral-Improved Crop Production for Healthy Food and Feed	Gupta Satish Lenz Markus	ETH Zürich FHNW, Muttenz	satish.gupta@env.ethz.ch markus.lenz@fhnw.ch
<b>FA0906</b>	UV-B radiation: A specific regulator of plant growth and food quality in a changing climate (acronym: UV4growth)	Ulm Roman	Uni GE	roman.ulm@unige.ch
<b>FA0907</b>	Yeast Flavour Production - New Biocatalysts and Novel Molecular Mechanisms Acronym: BIOFLAVOUR	Plata Nadia	EPTES Sàrl, Vevey	nadia.plata@eptes.com
<b>FA1002</b>	Farm Animal Proteomics	Lisacek Frédérique	SIB GE	Frederique.Lisacek@isb-sib.ch
<b>FA1003</b>	East-West Collaboration for Grapevine Diversity Exploration and Mobilization of Adaptive Traits for Breeding	Viret Olivier	Agroscope Changins-Wädenswil ACW	olivier.viret@acw.admin.ch

**ISCH – Individuals, Societies, Cultures and Health**

Action	Title	Name, First Name	Institution	E-Mail
<b>IS0601</b>	Comparative Research into Current Trends in Public Sector Organization	until May 2010: Emery Yves new: Steiner Reto Ladner Andreas	IDHEAP, Chavannes Uni BE IDHEAP, Chavannes	yves.emery@idheap.unil.ch reto.steiner@kpm.unibe.ch andreas.Ladner@idheap.unil.ch
<b>IS0602</b>	International Law in Domestic Courts	Ziegler Andreas R.	Uni LS	andreas.ziegler@unil.ch
<b>IS0603</b>	Health and Social Care for Migrants and Ethnic Minorities in Europe	Chimienti Milena Bischoff Alexander	Uni GE Uni BS	milena.chimienti@unige.ch alexander.bischoff@unibas.ch
<b>IS0604</b>	Science and Technology Research In a Knowledge-based Economy	Foray Dominique	EPFL	dominique.foray@epfl.ch
<b>IS0605</b>	A Telecommunications Economics COST Network (Econ@Tel)	Stiller Burkhard	Uni ZH	stiller@ifi.uzh.ch
<b>IS0701</b>	Comparative Analysis of Enterprise Data: Industry Dynamics, Firm Performance, and Worker Outcomes	Wäfler Toni	FHNW, Olten	Toni.waefler@fhnw.ch
<b>IS0703</b>	The European Research Network on Learning to Write Effectively	Kruse Otto Perrin Daniel	ZHAW, Winterthur ZHAW, Winterthur	kreo@zhaw.ch daniel.perrin@zhaw.ch
<b>IS0801</b>	Cyberbullying: coping with negative and enhancing positive uses of new technologies, in relationships in educational settings	Alsaker Françoise Perren Sonja	Uni BE Uni ZH	alsaker@psy.unibe.ch perren@jacobscenter.unizh.ch
<b>IS0802</b>	The Transformation of Global Environmental Governance: Risks and Opportunities (TGEG)	Hufty Marc Pütz Marco	Institut de hautes études internationales et du développement, Genève WSL, Birmensdorf	Marc.hufty@graduateinstitute.ch Marco.puetz@wsl.ch
<b>IS0805</b>	New Challenges of Peacekeeping and the European Union's Role in Multilateral Crisis Management	Tardy Thierry	GCSP, Genf	t.tardy@gcsp.ch
<b>IS0806</b>	The True European Voter: A Strategy For Analysing the Prospects of European Electoral Democracy That Includes the West, the South and the East of the Continent.	Lutz Georg Lachat Romain	Uni LS Uni ZH	georg.lutz@fors.unil.ch mail@romain-lachat.ch
<b>IS0807</b>	Living in Surveillance Societies (LiSS)	Langheinrich Marc Klauser Francisco	USI, Lugano Uni NE	marc.langheinrich@unisi.ch francisco.klauser@unine.ch

<b>IS0901</b>	Women Writers in History: Toward a New Understanding of European Literary Culture.	Cossy Valérie until Aug 2010:	Uni LS	valerie.cossy@unil.ch
<b>IS0902</b>	Systemic Risks, Financial Crises and Credit: the roots, dynamics and consequences of the Subprime Crisis	Stohler Ursula	Uni BE	ursula.stohler@edu.unibe.ch
<b>IS0903</b>	Enhancing the Role of Medicine in the Management of European Health Systems: Implications for Control, Innovation and User Voice	Graz Jean-Christophe	Uni LS	jean-christophe.graz@unil.ch
<b>IS0904</b>	European Architecture beyond Europe: Sharing Research and Knowledge on Dissemination Processes, Historical Data and Material Legacy (19th-20th centuries)	Calciolari Stefano	USI, Lugano	stefano.calciolari@usi.ch
		Meneguzzo	USI, Lugano	marco.meneguzzo@usi.ch
<b>IS0905</b>	The Emergence of Southern Multinationals and Their Impact on Europe	EI-Wakil Leila	Uni GE	leila.el-wakil@unige.ch
		Radwan Nadia	Uni GE	nadia.radwan@unige.ch
<b>IS0906</b>	Transforming Audiences, Transforming Societies	Rios-Morales Ruth	HES Les Roches-Gruyères - LRG	ruth.riosmorales@glion.edu
		Gugler Philippe	Uni GE	philippe.gugler@unifr.ch
<b>IS0907</b>	Childbirth Cultures, Concerns, and Consequences: Creating a dynamic EU framework for optimal maternity care	Cola Marta	Università della Svizzera italiana	marta.col@usi.ch
		Mierzejewska Bozena Izabela	Uni SG	Bozena.Mierzejewska@unisg.ch
		Luyben Ans	BFH	ans.luyben@bfh.ch
		Kaiser Barbara	HES-SO Genève	barbara.kaiser@hesge.ch

#### BMBS – Biomedicine and Molecular Biosciences

Action	Title	Name, First Name	Institution	E-Mail
<b>B28</b>	Array Technologies for BSL3 and BSL4 Pathogens (Complete May 2010)	Schrenzel Jacques	Uni GE	jacques.schrenzel@unige.ch
		Frey Joachim	Uni BE	joachim.frey@vbi.unibe.ch
<b>865</b>	Bioencapsulation multiscale interaction analysis (Complete Jan 2010)	Wandrey Christine	EPFL	christine.wandrey@epfl.ch
		Lacroix Christophe	ETHZ	christophe.lacroix@ilw.agrl.ethz.ch
<b>BM0601</b>	Advanced Methods For The Estimation Of Human Brain Activity And Connectivity (NEUROMATH)	Grave de Peralta	Uni GE	rolando.grave@hcuge.ch
		Menendez Rolando		
<b>BM0602</b>	Adipose Tissue: A Key Target for Prevention of the Metabolic Syndrome	Jäncke Lutz	Uni ZH	l.jaencke@psychologie.uzh.ch
		Carpentier Jean-Louis	Uni GE	Jean-Louis.Carpentier@unige.ch
<b>BM0603</b>	Inflammation in Brain Disease (NEURINFNET)	Niessen Markus	Universitätsspital Zürich	markus.niessen@dim.usz.ch
		Becher Burkhard	Uni ZH	burkhard.becher@neuroimm.uzh.ch
<b>BM0604</b>	Myelin orphan diseases in health (MYELINET)	Engelhart Britta	Uni BE	bengel@tki.unibe.ch
		Lienhard Myriam	ELA Suisse, Tavannes	info@ela-asso.ch
<b>BM0605</b>	Consciousness: A transdisciplinary, integrated approach	Müller Andreas	Gehirn und Trauma-Stiftung, Chur	a.mueller@gtsg.ch
<b>BM0607</b>	Targeted Radionuclide Therapy (TRNT)	Mäcke Helmut R.	Uni BS	hmaecke@uhbs.ch
		Schibli Roger	PSI, Villigen	roger.schibli@psi.ch
<b>BM0701</b>	Antibiotic Transport and Efflux: New Strategies to combat bacterial resistance (ATENS)	Köhler Thilo	Uni GE	thilo.kohler@unige.ch
<b>BM0702</b>	Urine and Kidney Proteomics	until Feb 2010 : Domon Bruno	ETHZ	domon@imsb.biol.ethz.ch
		new Dec 2010: Pellegrini Christian	UNI GE	christian.pellegrini@unige.ch
<b>BM0703</b>	Cancer and Control of Genomic Integrity (CANGENIN)	Halazonetis Thanos	Uni GE	thanos.halazonetis@unige.ch
<b>BM0704</b>	Emerging EMF Technologies and Health Risk Management	Dürrenberger Gregor	ETHZ	gregor@ifh.ee.ethz.ch
		Moser Mirjana	BAG, Bern	mirjana.moser@bag.admin.ch
		Kuster Niels	ETHZ	kuster@itis.ethz.ch

<b>BM0801</b>	Translating genomic and epigenetic studies of MDS and AML	Müller Beatrice	Universitätsspital Bern	beatrice.mueller@insel.ch
<b>BM0802</b>	Life or death of protozoan parasites	Fasel Nicolas	Uni LS	nicolas.fasel@unil.ch
<b>BM0803</b>	A European network of the HLA diversity for histocompatibility, clinical transplantation, epidemiology and population genetics (HLA-NET)	Sanchez-Mazas Alicia De Abreu Nunes José Manuel	Uni GE Uni GE	alicia.sanchez-mazas@unige.ch jose.DeAbreuNunes@unige.ch
<b>BM0804</b>	European Network on Fish Biomedical Models (Acronym: EUFishBioMed) – a community resource to enable effective zebrafish partnering in EU projects targeting human diseases	Tiercy Jean-Marie Schorderet Daniel  Polok Bozena	Uni GE IRO, Sion  IRO, Sion	Jean-marie.tiercy@unige.ch daniel.schorderet@irovision.ch  bozena.polok@unige.ch
<b>BM0805</b>	HOX and TALE transcription factors in Development and Disease	Duboule Denis Rijli Filippo	Uni GE Friedrich Miescher Institute for Biomedical Research, Basel	denis.duboule@unige.ch filippo.rijli@fmi.ch
<b>BM0806</b>	Recent advances in histamine receptor H4R research	Akdis Cezmi	SIAF, Davos	akdisac@siaf.uzh.ch
<b>BM0901</b>	SYSGENET –European systems genetics network for the study of complex genetic human diseases using mouse genetic reference populations	Franken Paul  Andreux Pénélope	Uni LS  EPFL	paul.franken@unil.ch  penelope.andreux@epfl.ch
<b>BM0902</b>	Network of experts in the diagnosis of myeloproliferative disorders (MPD)	Oppliger Leibundgut Elisabeth	Universitätsspital Inselsspital, Bern	elisabeth.oppliger@insel.ch
<b>BM0904</b>	HDL - from biological understanding to clinical exploitation	von Eckardstein Arnold  James Richard W.	Universitätsspital Zürich  Hôpitaux Universitaires de Genève HUG	arnold.voneckardstein@usz.ch  richard.james@hcuge.ch
<b>BM0905</b>	European Network for the Study of Gilles de la Tourette Syndrome	Schüpbach Michael	Universitätsspital Bern	michael.schuepbach@insel.ch
<b>BM0906</b>	Regulatory RNAs in bacterial pathogenicity: new targets for alternative therapies.	Schrenzel Jacques  Loessner Martin J.	Hôpital Cantonal de Genève  ETHZ	jacques.schrenzel@hcuge.ch  martin.loessner@ethz.ch
<b>BM1003</b>	Microbial cell surface determinants of virulence as targets for new therapeutics in Cystic Fibrosis	Robinson John A. Eberl Leo	Uni ZH Uni ZH	robinson@oci.uzh.ch leberl@botinst.uzh.ch

**CMST – Chemistry and Molecular Sciences and Technologies**

Action	Title	Name, First Name	Institution	E-Mail
<b>D34</b>	Molecular Targeting and Drug Design in Neurological and Bacterial Diseases (Complete Jun 2010)	Reymond Jean-Louis	Uni BE	jean-louis.reymond@ioc.unibe.ch
<b>D35</b>	From Molecules to Molecular Devices: Control of Electronic, Photonic, Magnetic and Spintronic Behaviour	Berke Heinz	Uni ZH	hberke@aci.uzh.ch
<b>D36</b>	Molecular structure-performance relationships at the surface of functional materials	Girault Hubert	EPFL	hubert.girault@epfl.ch
<b>D37</b>	Grid Computing in Chemistry: GRIDCHEM (Complete Jul 2010)	Luethi Hans P. Hutter Jürg	ETHZ Uni ZH	luethi@igc.phys.chem.ethz.ch hutter@pci.uzh.ch
<b>D38</b>	Metal-Based Systems for Molecular Imaging Applications	Mäcke Helmut R. Helm Lothar	Uni BS EPFL	hmaecke@uhbs.ch lothar.helm@epfl.ch
<b>D39</b>	Metallo-Drug Design and Actions	Alberto Roger Dyson Paul J.	Uni ZH EPFL	ariel@aci.uzh.ch paul.dyson@epfl.ch
<b>D40</b>	Innovative Catalysis: New Processes and Selectivities	Alexakis Alexandre Bochet Christian	Uni GE Uni FR	alexandre.alexakis@unige.ch christian.bochet@unifr.ch
<b>D41</b>	Inorganic oxides: surfaces and interfaces (Complete Sep 2010)	Grolimund Daniel	PSI, Villigen	daniel.grolimund@psi.ch

<b>D42</b>	Chemical Interactions between Cultural Artefacts and the Indoor Environment (EnviArt) (Complete Oct 2010)	Wörle-Soares Marie	Schweizer Landesmuseum, Affoltern a. Albis	marie.woerle@slm.admin.ch
		Wuelfert Stefan	BFH	stefan.wuelfert@hkb.bfh.ch
<b>D43</b>	Colloid and Interface Chemistry for Nanotechnology	Borkovec Michal	Uni GE	michal.borkovec@unige.ch
		Schurtenberger Peter	Uni FR	peter.schurtenberger@unifr.ch
<b>CM0601</b>	Electron Controlled Chemical Lithography (ECCL)	Allan Michael	Uni FR	michael.allan@unifr.ch
		Ernst Karl-Heinz	EMPA, Dübendorf	karl-heinz.ernst@empa.ch
<b>CM0602</b>	Inhibitors of angiogenesis: design, synthesis and biological exploitation	Altmann Karl-Heinz	ETHZ	karl-heinz.altmann@pharma.ethz.ch
		Reymond Jean-Louis	Uni BE	jean-louis.reymond@ioc.unibe.ch
<b>CM0603</b>	Free Radicals in Chemical Biology (CHEMBIORADICAL)	Renaud Philippe	Uni BE	philippe.renaud@ioc.unibe.ch
<b>CM0701</b>	Cascade Chemoenzymatic Processes – New Synergies Between Chemistry and Biochemistry	Wohlgemuth Roland	Sigma-Aldrich, Buchs	rwohlgemuth@sial.com
		Reymond Jean-Louis	Uni BE	jean-louis.reymond@ioc.unibe.ch
<b>CM0702</b>	Chemistry with Ultrashort Pulses and Free-Electron Lasers: Looking for Control Strategies Through “Exact” Computations	Chergui Majed	EPFL	majed.chergui@epfl.ch
<b>CM0703</b>	Systems Chemistry	Walde Peter	ETHZ	peter.walde@mat.ethz.ch
		Siegel Jay	Uni ZH	jss@oci.uzh.ch
<b>CM0801</b>	New drugs for neglected diseases	Fasel Nicolas	Uni LS	nicolas.fasel@unil.ch
<b>CM0802</b>	European Phosphorus Sciences Network (PhoSciNet)	Grützmacher Hansjörg	ETHZ	hgruetzmacher@ethz.ch
<b>CM0803</b>	Functional peptidomimetic foldamers: from unnatural amino acids to self-assembling nanomaterials	Wennemers Helma	Uni BS	helma.wennemers@unibas.ch
<b>CM0804</b>	Chemical Biology with Natural Products	Altmann Karl-Heinz	ETHZ	karl-heinz.altmann@pharma.ethz.ch
		Gertsch Jürg	Uni Bern	juerg.gertsch@mci.unibe.ch
<b>CM0805</b>	The Chemical Cosmos; Understanding Chemistry in Astronomical Environments	Cherchneff Isabelle	Uni BS	isabelle.cherchneff@unibas.ch
<b>CM0901</b>	Detailed chemical kinetic models for cleaner combustion	Gerber Thomas	PSI, Villigen	thomas.gerber@psi.ch
		Rossi Michel J.	PSI, Villigen	michel.rossi@psi.ch
<b>CM0902</b>	Molecular machineries for ion translocation across biomembranes	Bernier-Latmani Rizlan	EPFL	rizlan.bernier-latmani@epfl.ch
		Creus Marc	Uni BS	marc.creus@unibas.ch
<b>CM0903</b>	Utilisation of Biomass for Sustainable Fuels & Chemicals (UBIOCHEM)	Schwitzguébel Jean-Paul	EPFL	jean-paul.schwitzguebel@epfl.ch
<b>CM0904</b>	Network for intermetallic compounds as catalysts for steam reforming of methanol (IMC-SRM)	Höhener Karl	TEMAS AG, Arbon	karl.hoehener@temas.ch
<b>CM0905</b>	Organocatalysis - ORCA	Alexakis Alexandre	Uni GE	alexandre.alexakis@unige.ch
		Wennemers Helma	Uni BS	Helma.Wennemers@unibas.ch
<b>CM1002</b>	CODECS: COntvergent Distributed Environment for Computational Spectroscopy	Daul Claude	Uni FR	claudedaul@unifr.ch
		Corminboeuf Anne-Clémence	EPFL	clemence.corminboeuf@epfl.ch

#### FPS – Forests, Their Products and Services

Action	Title	Name, First Name	Institution	E-Mail
<b>E45</b>	European forest externalities (EUROFOREX) (Complete Dec 2010)	Zimmermann Willi	ETHZ	willi.zimmermann@env.ethz.ch
		Ott Walter	Econcept AG, Zürich	walter.ott@econcept.ch
<b>E51</b>	Integrating Innovation and Development Policies for the Forest Sector (Complete Mar 2010)	Zimmermann Willy	ETHZ	willi.zimmermann@env.ethz.ch
		Seeland Klaus	ETHZ	klaus.seeland@env.ethz.ch
<b>E52</b>	Evaluation of Beech Genetic Resources for Sustainable Forestry (Complete Sep 2010)	Mühlethaler Urs	FHS-BE, Zollikofen	urs.muehlethaler@shl.bfh.ch
		Weber Pascale	WSL, Birmensdorf	Pascale.weber@wsl.ch

<b>E53</b>	Quality control for wood and wood products (Complete Mar 2010)	Köhler Jochen Steiger René	ETHZ EMPA, Dübendorf	jochen.koehler@ibk.baug.ethz.ch rene.steiger@empa.ch
<b>E54</b>	Characterisation of the fine structure and properties of papermaking fibres using new technologies (Complete Dec 2010)	Breguet Jean-Marc	CSEM, Neuchâtel	jean-marc.breguet@csem.ch
<b>E55</b>	Modeling of the Performance of Timber Structures	Köhler Jochen Faber Michael H.	ETHZ ETHZ	jochen.koehler@ibk.baug.ethz.ch faber@ibk.baug.ethz.ch
<b>FP0601</b>	Forest Management and the Water Cycle (FORMAN)	Schleppi Patrick Thormann Jean-Jacques	WSL, Birmensdorf FHS-BE, Zollikofen	patrick.schleppi@wsl.ch jean-jacques.thormann@shl.bfh.ch
<b>FP0602</b>	Biotechnology for lignocellulose biorefineries (BIOBIO)	Abächerli Alfred Von Arx Urs	ILI, Lausanne FHS-BE, Biel	abaecherli.ili@bluewin.ch urs.vonarx@bfh.ch
<b>FP0603</b>	Forest models for research and decision support in sustainable forest management	Bugmann Harald Lischke Heike	ETHZ WSL, Birmensdorf	harald.bugmann@env.ethz.ch heike.lischke@wsl.ch
<b>FP0701</b>	Post-Fire Forest Management in Southern Europe	Conedera Marco	WSL, Bellinzona	marco.conedera@wsl.ch
<b>FP0702</b>	Net-Acoustics for Timber based Lightweight Buildings end Elements	Schmid Matthias Desarnaulds Victor	FHS-BE, Biel Bureau d'Ingénieurs G. Monay, Lausanne	matthias.schmid@bfh.ch desarnaulds@monay.ch
<b>FP0703</b>	Expected Climate Change and Options for European Silviculture (ECHOES)	Brang Peter Seeland Klaus	WSL, Birmensdorf ETHZ	peter.brang@wsl.ch klaus.seeland@env.ethz.ch
<b>FP0801</b>	Established and Emerging Phytophthora: Increasing Threats to Woodland and Forest Ecosystems in Europe	Lefort François Rigling Daniel	HES-SO, EIL, Jussy WSL, Birmensdorf	francois.lefort@hesge.ch daniel.rigling@wsl.ch
<b>FP0802</b>	Experimental and Computational Micro-Characterisation Techniques in Wood Mechanics	Niemz Peter Navi Parviz	ETHZ BFH-AHB, Bienne	niemzp@ethz.ch parviz.navi@bfh.ch
<b>FP0803</b>	Belowground carbon turnover in European forests	Brunner Ivanno until Nov 2010: Rogiers Nele New: Augustin Sabine	WSL, Birmensdorf BAFU, Bern	ivanno.brunner@wsl.ch nele.rogiers@bafu.admin.ch sabine.augustin@bafu.admin.ch
<b>FP0804</b>	Forest Management Decision Support Systems (FORSYS)	Brang Peter Rosset Christian	WSL, Birmensdorf SHL, Zollikofen	peter.brang@wsl.ch
<b>FP0901</b>	Analytical Techniques for Biorefineries	Abächerli Alfred Lora Jairo	ILI, Lausanne GreenValue SA, Lausanne	abaecherli.ili@bluewin.ch jhlora@greenvalue-sa.com
<b>FP0903</b>	Climate Change and Forest Mitigation and Adaptation in a Polluted Environment	Dobbertin Matthias Eugster Werner	WSL, Birmensdorf ETHZ	matthias.dobbertin@wsl.ch werner.eugster@ipw.agrl.ethz.ch
<b>FP0904</b>	Network for intermetallic compounds as catalysts for steam reforming of methanol (IMC-SRM)	Navi Parviz Ganne-Chédeville Christelle Mannes David	BFH BFH PSI, Villigen	parviz.navi@bfh.ch christelle.ganne-chedeville@bfh.ch david.mannes@psi.ch
<b>FP1001</b>	Chemistry of non-enzymatic protein modification - modulation of protein structure and function	Lanz Adrian Brassel Peter	WSL, Birmensdorf WSL, Birmensdorf	adrian.lanz@wsl.ch peter.brassel@wsl.ch
<b>FP1002</b>	CODECS: CONvergent Distributed Environment for Computational Spectroscopy	Kenis Marc Rigling Daniel	CABI, Delémont WSL, Birmensdorf	m.kenis@cabi.org daniel.rigling@wsl.ch

**IE - Interdisciplinary Exploratoria and TD – Trans Domain**

Action	Title	Name, First Name	Institution	E-Mail
<b>IE0601</b>	Wood Science for Conservation of Cultural Heritage (WoodCultHer)	Lehmann Eberhard Wörle-Soares Marie	PSI, Villigen Schweizer Landesmuseum, Zürich	eberhard.lehmann@psi.ch marie.woerle@slm.admin.ch
<b>TD0801</b>	Statistical challenges on the 1000€ genome sequences in plants	Bruggmann Rémy	Uni ZH/ETHZ	remy.bruggmann@fgcz.ethz.ch

<b>TD0802</b>	Dendrimers in Biomedical Applications	Danani Andrea Darbre Tamis	SUPSI, Manno Uni BE	andrea.danani@supsi.ch tamis.darbre@ioc.unibe.ch
<b>TD0803</b>	Detecting evolutionary hot spots of antibiotic resistances in Europe (DARE)	Bürgmann Helmut  McArdell-Buergisser Christa	EAWAG, Kastanienbaum EAWAG, Dübendorf	helmut.buergmann@eawag.ch  christa.mcardell@eawag.ch
<b>TD0804</b>	Soundscape of European Cities and Landscapes	Heutschi Kurt Franinovic Karmen	EMPA, Dübendorf ZFH	kurt.heutschi@empa.ch karmen.franinovic@zhdk.ch
<b>TD0901</b>	Hypoxia sensing, signaling and adaptation	Wenger Roland Gassmann Max Spierer Lucas	Uni ZH Uni ZH Centre hospitalier universitaire vaudois – CHUV, Lausanne	roland.wenger@access.uzh.ch maxg@access.uzh.ch Lucas.spierer@chuv.ch
<b>TD0904</b>	Time In Mental activitY: theoretical, behavioral, bioimaging, and clinical perspectives (TIMELY)	Tschacher Wolfgang	Uni BE	tschacher@spk.unibe.ch
<b>TD0905</b>	Epigenetics: Bench to Bedside	Creus Marc	Uni BS	marc.creus@unibas.ch
<b>TD0906</b>	Biological adhesives: from biology to biomimetics	Schwotzer Willi  Kiwi John	Nolax AG, Sempach-Station EPFL	WSC@nolax.com  john.kiwi@epfl.ch
<b>TD1001</b>	Novel and Reliable Optical Fibre Sensor Systems for Future Security and Safety Applications (OFSeSa)	Thévenaz Luc Iten Michael	EPFL ETHZ	luc.thevenaz@epfl.ch michael.iten@igt.baug.ethz.ch
<b>TD1002</b>	European network on applications of Atomic Force Microscopy to NanoMedicine and Life Sciences (AFM4NanoMed&Bio)	Dietler Giovanni	EPFL	Giovanni.Dietler@epfl.ch
<b>TD1003</b>	Bio-inspired nanotechnologies: from concepts to applications	Hoogerwerf Arno Liley Martha	CSEM, Neuchâtel CSEM, Neuchâtel	arno.hoogerwerf@csem.ch martha.liley@csem.ch

## COST Actions in preparation by Switzerland/*COST Actions open for participation*

<b>COST Domain ICT – Information and Communication Technologies</b>		<b>Contact</b>
IC1002	Multilingual and multifaceted interactive information access (MUMIA)	Stéphane Marchand-Maillet, Uni GE, stephane.marchand-maillet@unige.ch
IC1004	Cooperative Radio Communications for Green Smart Environments	COST@sbf.admin.ch
IC1005	HDRi: The digital capture, storage, transmission and display of real-world lighting	COST@sbf.admin.ch
<b>COST Domain TUD – Transport and Urban Development</b>		<b>Contact</b>
TU1002	Accessibility instruments for planning practice in Europe	Maik Hömke, ETHZ, mhoemke@ethz.ch
TU1003	MEGAPROJECT: The Effective Design and Delivery of Megaprojects in the European Union	Rolf Wüstenhagen, Uni SG, rolf.wuestenhagen@unisg.ch
TU1004	<i>Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems</i>	COST@sbf.admin.ch
<b>COST Domain MPNS – Materials, Physical and Nanosciences</b>		<b>Contact</b>
MP1002	<i>Nano-scale insights in ion beam cancer therapy Nano-IBCT</i>	COST@sbf.admin.ch
MP1004	Hybrid Energy Storage Devices and Systems for Mobile and Stationary Applications	Rüdiger Kötz, PSI, Villigen, ruediger.koetz@psi.ch
MP1005	From nano to macro biomaterials (design, processing, characterization, modeling) and applications to stem cells regenerative orthopedic and dental medicine (NAMABIO)	Mauro Alini, AO Research Institute Davos, mauro.alini@aofoundation.org Thimios Mitsiadis, Uni ZH, thimios.mitsiadis@zzm.uzh.ch
MP1006	Fundamental Problems in Quantum Physics	Matthias Christandl, ETHZ, christandl@phys.ethz.ch Stefan Wolf, ETHZ, wolf@inf.ethz.ch
<b>COST Domain ESSEM – Earth System Science and Environmental Management</b>		<b>Contact</b>
ES1001	<i>SMOS Mission Oceanographic Data Exploitation</i>	COST@sbf.admin.ch
ES1003	<i>Development and implementation of a pan-European Marine Biodiversity Observatory System (EMBOS)</i>	COST@sbf.admin.ch
ES1004	European framework for online integrated air quality and meteorology modelling	Sebnem Aksoyoglu, PSI, Villigen sebnem.aksoyoglu@psi.ch Dominik Brunner, EMPA, Dübendorf, dominik.brunner@empa.ch
ES1005	Towards a more complete assessment of the impact of solar variability on the Earth's climate	Werner Schmutz, PMOD/WRC, Davos, werner.schmutz@pmodwrc.ch Eugene Rozanov, PMOD/WRC, Davos, e.rozanov@pmodwrc.ch
ES1006	<i>Evaluation, improvement and guidance for the use of local-scale emergency prediction and response tools for airborne hazards in built environments</i>	COST@sbf.admin.ch
<b>COST Domain FA – Food and Agriculture</b>		<b>Contact</b>
FA1001	The application of innovative fundamental food-structure-property relationships to the design of foods for health, wellness and pleasure.	Magali Chollet, Agroscope, Bern, magali.chollet@alp.admin.ch Dominik Guggisberg, Agroscope, Bern dominik.guggisberg@alp.admin.ch

FA1004	<i>Conservation Physiology of Marine Fishes</i>	<i>COST@sbf.admin.ch</i>
FA1005	Improving health properties of food by sharing our knowledge on the digestive process (INFOGEST)	Guy Vergères, Agroscope, Bern, guy.vergeres@alp.admin.ch
FA1006	Plant Metabolic Engineering for High Value Products	Iris Poggendorf, ZHAW, iris.poggendorf@zhaw.ch

#### **COST Domain ISCH – Individuals, Societies, Cultures and Health**

#### **Contact**

IS1001	Bio-objects and their boundaries: governing matters at the intersection of society, politics, and science	Michael Richter, EMPA, St.Gallen, michael.richter@empa.ch
IS1002	<i>Modernet, a network for development of new techniques for discovering trends in occupational and work-related diseases and tracing new and emerging risks</i>	<i>COST@sbf.admin.ch</i>
IS1003	<i>International Law Between Constitutionalisation and Fragmentation: the role of law in the post-national constellation</i>	<i>COST@sbf.admin.ch</i>
IS1004	WEBDATANET: web-based data-collection - methodological challenges, solutions and implementations.	Nicoletta Fornara, USI, Lugano nicoletta.fornara@usi.ch
IS1005	Medieval Europe - Medieval Cultures and Technological Resources	Carmen Cardelle de Hartmann, Uni ZH, cardelle@access.uzh.ch
IS1006	<i>Unraveling the grammars of European sign languages: pathways to full citizenship of deafsigners and to the protection of their linguistic heritage</i>	<i>COST@sbf.admin.ch</i>
IS1007	Investigating Cultural Sustainability	Gertrude Hirsch Hadorn, ETHZ, hirsch@env.ethz.ch

#### **COST Domain BMBS – Biomedicine and Molecular Biosciences**

#### **Contact**

BM1001	Brain Extracellular Matrix in Health and Disease (ECMNet)	Bernhard Wehrle-Haller, Uni GE, Bernhard.Wehrle-Haller@unige.ch
		Ruth Chiquet-Ehrismann, FMI, Basel, chiquet@fmi.ch
BM1002	Nanomechanics of intermediate filament networks - NANONET	Siegfried Derler, EMPA St. Gallen siegfried.derler@empa.ch
BM1004	<i>Enhancing the scientific study of early autism: A network to improve research, services and outcomes</i>	<i>COST@sbf.admin.ch</i>
BM1005	<i>Gasotransmitters: from basic science to therapeutic applications (ENOG: European Network on Gasotransmitters)</i>	<i>COST@sbf.admin.ch</i>
BM1006	Next Generation Sequencing Data Analysis Network	Bastien Chevreux, DSM Nutritional Products AG, Basel, bastien.chevreux@dsm.com
		Laurent Falquet, SIB, Lausanne, laurent.falquet@isb-sib.ch
BM1007	Mast Cells and Basophils – Targets for Innovative Therapies	Clemens A. Dahinden, Uni BE, clemens.dahinden@iib.unibe.ch

#### **COST Domain CMST – Chemistry and Molecular Sciences and Technologies**

#### **Contact**

CM1001	<i>Chemistry of non-enzymatic protein modification - modulation of protein structure and function</i>	<i>COST@sbf.admin.ch</i>
CM1003	Biological oxidation reactions - mechanisms and design of new catalysts	Xile Hu, EPFL, xile.hu@epfl.ch
CM1004	Synthetic Probes for Chemical Proteomics and Elucidation of Biosynthetic Pathways	Hilal A. Lashuel, EPFL, hilal.lashuel@epfl.ch
CM1005	Supramolecular Chemistry in Water	Patrick Shahgaldian, FH NW, patrick.shahgaldian@fhnw.ch
CM1006	<i>EUFEN: European F-Element Network</i>	<i>COST@sbf.admin.ch</i>

<b>COST Domain FPS – Forests, Their Products and Services</b>		<b>Contact</b>
<i>FP1003</i>	<i>Impact of renewable materials in packaging for sustainability - development of renewable fibre and bio-based materials for new packaging applications</i>	<i>COST@sbf.admin.ch</i>
FP1004	Enhance mechanical properties of timber, engineered wood products and timber structures	Robert Widmann, EMPA, Dübendorf robert.widmann@empa.ch Till Vallée, HEFR, till.vallee@hefr.ch



Table 1: Financial commitments 2010 per COST-Domain and contract

Domain	SER No.	Action	Project title	Name	First Name	Institution	Start Date	End Date	Amount (CHF)
BMBS Biomedicine and Molecular Biosciences	C09.0164	BM0702	Mining High Dimensional and Heterogenous Data in EuroKUP	Pellegrini	Christian	Université de Genève	01.01.2011	30.09.2012	163 890
	C09.0021	CM0703	Adaptive Chemical Systems as Sensors	Severin	Kay	EPF Lausanne	01.01.2010	31.12.2011	116 475
CMST Chemistry and Molecular Sciences and Technologies	C09.0104	CM0802	Four and Six-Coordinated Chiral Phosphorus Anions in Asymmetric Analysis, Synthesis and Catalysis	Lacour	Jérôme	Université de Genève	01.01.2011	31.12.2013	170 000
ESSEM Earth System Science and Environmental Management	C09.0028	ES0804	Eddy covariance measurements of total reactive nitrogen - An essential complement to greenhouse gas flux monitoring	Ammann	Christof	Agroscope Reckenholz-Tänikon ART, Zürich170	01.01.2010	30.06.2011	166 300
	C09.0157	ES0804	Assessing the up-scaling of FLUXNET site data for regional signal extraction and model validation	Seneviratne	Sonia	ETH Zürich	01.01.2011	31.12.2012	169 891
	C09.0054	ES0805	Dynamic Wetland Modeling During Abrupt Climate Change (DyWET)	Kaplan	Jed O.	EPF Lausanne	01.01.2010	31.12.2011	168 220
	C09.0159	ES0806	Carbon allocation from the canopy to the soil/root system in response to environmental stress	Buchmann	Nina	ETH Zürich	01.01.2011	31.12.2013	170 000
FA Food and Agriculture	C09.0039	867	Pathobiology of chlamydial epitheliocystis agents: zebrafish as a model of infection	Vaughan	Lloyd	Universität Zürich	01.01.2010	31.12.2011	170 000
	C09.0176	FA0806	Next generation sequencing for studying viruses and RNA silencing-based antiviral defense in crop plants	Farinelli	Laurent	FASTERIS SA, Plan-les-Ouates	01.01.2011	31.12.2013	170 000

Domain	SER No.	Action	Project title	Name	First Name	Institution	Start Date	End Date	Amount (CHF)
FPS Forests, their Products and Services	C09.0163	FP0702	Détermination du découplage acoustique Lissek des installations techniques et sanitaires dans les constructions en bois par méthode de mesurage impulsionnelle	Lissek	Hervé	EPF Lausanne	01.01.2011	31.12.2012	122 000
	C09.0139	FP0801	Survey and diagnostic of oomycete diversity and taxonomy in natural and forest ecosystems using non culture based ap-proaches: pyrosequencing, T-RFLP and full ribosome shotgun sequencing	Belbahri	Lassaad	Université de Neuchâtel	01.01.2011	31.12.2011	130 000
	C09.0130	FP0803	Cold ecosystems in a warmer world: tracing radiocarbon in plants and soils of high altitudes at different soil and air temperatures	Hagedorn	Frank	Eidg. Forschungsanstalt WSL, Brunnensdorf	01.01.2011	31.12.2013	169 626
	C09.0117	FP0804	Governance of forest recreation - analysing the role of actors and institutions in forest management decision making	Pütz	Marco	Eidg. Forschungsanstalt WSL, Brunnensdorf	01.01.2011	31.12.2012	170 000
ICT Information and Communication Technologies	C09.0167	IC0903	Context-Aware Simulation of trajectories of Moving Objects (CASIMO)	Weibel	Robert	Universität Zürich	01.01.2011	31.12.2013	170 000
ISCH Individuals, Societies, Cultures and Health	C09.0162	IS0802	Can small players make a difference? A multilevel governance assessment of the Swiss contribution to the establishment of an international regime on Biodiversity (SWIC)	Hufty	Marc	Institut de hautes études internationales et du développement, Genève	01.01.2011	30.06.2013	163 660
MPNS Materials, Physical and Nanosciences	C09.0156	MP0901	Improvement of electrical SWCNT-metal interface properties for nanodevice sensors	Haluska	Miroslav	ETH Zürich	01.01.2011	31.12.2013	170 000
<b>Total</b>									<b>2 560 062</b>



Table 2: Payments in 2010 per Domain

Payments 2010	Amount (CHF)
CMST	
Chemistry and Molecular Sciences and Technologies	1 252 039
FA	
Food and Agriculture	1 008 004
ESSEM	
Earth System Science and Environmental Management	950 342
FPS	
Forests, their Products and Services	922 136
MPNS	
Materials, Physical and Nanosciences	731 417
ICT	523 147
Information and Communication Technologies	
TUD	
Transport and Urban Development	433 502
BMBS	
Biomedicine and Molecular Biosciences	371 424
TD	
Transdomain	175 227
ISCH	
Individuals, Societies, Cultures and Health	122 640
Miscellaneous	10 112
<b>Total</b>	<b>6 499 990</b>



## Annex 1: Declaration on COST



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

**Secretariat**

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**Palma de Mallorca, 15 June 2010**

**COST 4175/10**

### **NOTE**

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Subject : **Conference of European Ministers responsible for European Cooperation  
in Science and Technology<sup>1</sup> (COST)**

**- DECLARATION ON COST**

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The Representatives of the Governments of the COST Member States and of the European  
Commission,

meeting at the COST Ministerial Conference in Palma de Mallorca on 15 June 2010,

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<sup>1</sup> *Formerly also referred to as "European Cooperation in the field of Scientific and Technical  
Research".*

**Whereas** COST is an intergovernmental framework for the co-ordination of research at a European level, set up by the exchange of letters initiated by the President of the Council of the European Communities on 4 November 1969 and 24 July 1970, and the Ministerial Resolution of 22 - 23 November 1971 and subsequently developed by further COST Ministerial Conferences; COST is characterised by the following main principles:

- "bottom-up" initiative from the European scientific and technical community,
- "à la carte" or "variable geometry" concept for organisation of networks,
- "co-ordination of research capacity" using the network of national co-ordinators and committees consisting of high level national representatives of the scientific community ("Domain committees"),
- "openness to participation beyond Europe", and
- "flexible structure" (easy implementation and light management of the research networking initiatives);

**Whereas** COST has proved to be a flexible, fast, integrative, effective and efficient tool to network and coordinate nationally funded research activities at project level, bringing motivated scientists together under light strategic guidance and letting them work out their ideas, thus contributing to overcome the fragmentation of research in the European Research Area (ERA) and also contributing broadly to Europe's competitiveness and socio-economic development;

**Whereas** the Representatives of the Governments of the COST Member States and the European Commission at the COST Ministerial Conference in Dubrovnik on 27 May 2003<sup>2</sup> confirmed their commitment to COST as an effective asset for European research because of its demonstrated contribution to scientific capacity building, through networking, cooperation and coordination;

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<sup>2</sup> Doc. COST 252/03.

**Whereas** COST has carried out a major modernisation of its *modus operandi*, in accordance with recommendations of a series of reviews, including notably its scientific management, by: introducing a new Domain structure; by increasing interdisciplinarity; by updating its Guidelines for assessment, monitoring and evaluation of COST Actions; introducing an open call; establishing a rigorous system of peer review and quality control; further facilitating the participation of early-stage researchers; and reinforcing its European and international dimension;

**Whereas** the European scientific community has continued to show high interest to COST as demonstrated by an overwhelming response to the COST Open Call; the number of requests for participation to COST Actions by institutions from non-COST countries has also constantly increased;

**Whereas** COST should continue to improve its performance whilst maintaining its best traditions;

1. **WELCOME** the report by the COST Committee of Senior Officials (CSO)<sup>3</sup> and **ARE SATISFIED** with the progress made since the previous COST Ministerial Conference in Dubrovnik in 2003;
2. **ACKNOWLEDGE** the success of COST as flexible, fast and efficient tool to network and coordinate research activities under light strategic guidance, **ARE CONVINCED** of the continued added value of COST activities in future;
3. **RECONFIRM** their commitment to COST and **UNDERTAKE** to enable and encourage national COST authorities to continue to commit themselves in terms of managerial and scientific personnel resources to fully exploit COST's potential;
4. **WELCOME** the membership of Bosnia and Herzegovina in COST as agreed by the CSO at its meeting of 26 - 27 May 2009;

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<sup>3</sup> Doc. COST 4158/10.

5. **APPRECIATE** the cooperation between COST and the European Science Foundation (ESF) and the professional and successful way in which the ESF has acted as the implementing agent for COST, and **TRUST** that ESF and COST will continue to deepen useful scientific cooperation for the benefit of the European scientific community as a whole;
6. **WELCOME** the vision of COST regarding its role in the ERA 2020, as set out in the Annex to this Declaration, and **INVITE** CSO to keep it under review, and update it as appropriate;
7. **FIND** that COST must continue and should be encouraged to develop as a European initiative and a mechanism of prime importance for the implementation and strengthening of the ERA;
8. **EMPHASISE** that COST must:
  - maintain an efficient organisation for the execution of its work in serving the European scientific community and society at large,
  - strengthen its role as an active player in the ERA both in its European and global dimension and
  - respond in a flexible manner to any future developments;

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**To this effect the Representatives of the Governments of the COST Member States express their commitment to the development of COST and:**

9. **INSTRUCT** CSO to continue to work efficiently and effectively as the main decision making body of COST;
10. **ACKNOWLEDGE** the work by the CSO in examining the options for the future legal status and governance of COST; **ENCOURAGE** the CSO to pursue this preparatory work, in particular by studying the conclusions of the FP7 mid-term evaluation of COST, so that it could, at the latest well before the end of FP7, come forward with appropriate conclusions and/or proposals in this respect which would ensure maintaining COST as a viable framework in compliance with the principles set out above; **INVITE** CSO to take any decisions in this regard, which fall within its remit, in a timely manner, and/or put forward any further proposals for the Governments of the COST Member States to consider;
11. **ACKNOWLEDGE** the establishment on 8 June 2010 of the "*COST Office International Scientific Non Profit Making Association*", by interested Member States, under Belgian law (hereinafter "the COST Office Association");
12. **STRESS** the importance of the European Union maintaining a strong and active involvement in all aspects of COST also in the future **RECOGNISING** the advantages that COST has through cooperation with the European Union and its RTD programmes;
13. **STRESS** the importance of ensuring a seamless continuation of COST operations; **CALL ON** the Commission to facilitate this process; and **ENCOURAGE** the CSO to actively liaise with the ESF;
14. **INVITE** the CSO to report to the next COST Ministerial Conference on the achievements realised;

15. **FIND** that the level of EU funding should allow COST to meet present tasks and future expectations and, in the light of the reforms undertaken and in line with the Decision of the Council of the EU of 19 December 2006 on the FP7 Specific Programme 'Cooperation'<sup>4</sup>, **ACKNOWLEDGE** with satisfaction the positive FP7 mid-term evaluation of COST, which should be a good basis for allocating to COST a total budget of EUR 250 million for the duration of FP7 representing the upper limit of the *fourchette* indicated in that Decision; and, finally;
16. **LOOK FORWARD** to the future developments of the ERA and to the role that COST can play in that context.
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<sup>4</sup> Official Journal of the European Union, L 54, 22.2.2007, p. 30.

## THE ROLE OF COST IN THE ERA 2020<sup>5</sup>

In Europe's balanced multitude of different systems for the support of research, education and innovation, COST continues to play a very distinct role and to complement other actors in the ERA, providing openness and equality of access to activities in a unique way. There continues to be a strong demand for coordination of bottom-up research activities, and the basic principles of COST – flexibility and openness – are widely recognised. Therefore the level of COST's activities has been maintained and those activities broadened. COST's Vision of its place in the European Research Area in 2020 is:

- **COST continues to be a flexible, fast, effective and efficient tool to network and coordinate nationally funded research activities at project level, bringing motivated scientists together under light strategic guidance and letting them work out their ideas, thus contributing to overcome the fragmentation of research in the ERA. A significant share of the European scientific community is involved, directly or indirectly, in COST activities.**
- **COST responds to future needs; it acts as an *exploratorium* for ideas and addresses emerging and unforeseen developments. It addresses ambitious goals and more complex questions and has enhanced its precursor role. COST Actions are objective-driven and often multidisciplinary. Their objectives are clearly defined and information arising from COST Actions provides well-structured evidence-based input for policy making and they contribute to Europe's competitiveness and socio-economic development. Whilst maintaining its bottom-up character, COST is open to support longer-term planning processes in the development of new COST Actions.**
- **COST acts as a catalyst for long-term networking and in particular supports early career scientists and newly established research groups, strengthening their future participation in European and other international research initiatives.**
- **COST provides a framework for pre-normative cooperation leading to international norms and standards.**
- **COST is an inclusive and flexible international framework for the benefit of the European scientific community. COST has a worldwide geographical coverage which will be further extended in a pragmatic way by continuing to involve non-member countries in its Actions and through a more structured series of collaborative arrangements.**

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<sup>5</sup> Extract from doc. COST 252/09.







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Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

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