

Actualité: Nouvelles Actions COST avec participation suisse

Le Secrétariat d'Etat à l'éducation et à la recherche a décidé le 13 janvier 2012 la participation de la Suisse à 20 nouvelles Actions COST, dans les domaines de la médecine, de la chimie, de l'environnement, de l'agriculture, des forêts et de la technologie du bois, de la télécommunication, des sciences sociales, des matériaux et de l'urbanisme.

BM1105	GnRH deficiency: Elucidation of the neuroendocrine control of human reproduction
CM1105	Functional metal complexes that bind to biomolecules
CM1106	Chemical Approaches to Targeting Drug Resistance in Cancer Stem Cells
ES1104	Arid Lands Restoration and Combat of Desertification: Setting Up a Drylands and Desert Restoration Hub
ES1105	Cyanobacterial blooms and toxins in water resources: Occurrence, impacts and management
ES1106	Assessment of EUROpean AGRiculture WATER use and trade under climate change (EURO-AGRIWAT)
FA1104	Sustainable production of high-quality cherries for the European market
FA1105	Towards a sustainable and productive EU organic greenhouse horticulture
FP1103	Fraxinus dieback in Europe: elaborating guidelines and strategies for sustainable management (FRAXBACK)
FP1105	Understanding wood cell wall structure, biopolymer interaction and composition: implications for current products and new material innovation
FP1106	STReESS - Studying Tree Responses to extreme Events: a Synthesis
IC1104	Random Network Coding and Designs over GF(q)
IC1106	Integrating Biometrics and Forensics for the Digital Age
IS1102	Social services, welfare state and places. The restructuring of social services in europe and its impacts on social and territorial cohesion and governance (so.s.cohesion)

IS1107	European Network for Conflict Research (ENCoRe)
MP1105	Sustainable flame retardancy for textiles and related materials based on nanoparticles substituting conventional chemicals. (Acronym : FLARETEX)
TD1105	European Network on New Sensing Technologies for Air-Pollution Control and Environmental Sustainability - EuNetAir
TD1106	Urban Agriculture Europe (UAE)
TD1107	Biochar as option for sustainable resource management
TU1104	Smart Energy Regions

La Suisse peut donc participer de plein droit à ces Actions et les chercheurs, intéressés à l'un ou l'autre de ces thèmes de recherche, peuvent s'adresser pour les questions scientifiques au contact suisse de l'Action concernée et pour les questions administratives au Secrétariat d'Etat à l'éducation et à la recherche.

BM1105 GnRH deficiency: Elucidation of the neuroendocrine control of human reproduction

The main objective of the Action is to identify genes and mechanisms controlling puberty and reproduction; to inform and validate the human research studies by corresponding research in animal and cellular model systems; and to translate the scientific findings into improved patient care, including genetic counseling for GnRH deficient patients and families.

Durée de l'Action: 4 ans

Contact en Suisse

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CM1105 Functional metal complexes that bind to biomolecules

The main objective of the Action is to develop and evaluate in a structure-targeted approach new metal-based compounds that exert their function as metallo-drugs, as research tools, or as diagnostic tools by binding to biomolecules, and to understand their modes of action.

Durée de l'Action: 4 ans

Contact en Suisse

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CM1106 Chemical Approaches to Targeting Drug Resistance in Cancer Stem Cells

The main objective of the Action is to unite researchers with expertise in rational drug design and medicinal chemistry of synthetic and natural compounds with biomedical investigators dedicated to the understanding the mechanisms governing drug resistance in cancer stem cells.

Durée de l'Action: 4 ans

Contact en Suisse

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ES1104 Arid Lands Restoration and Combat of Desertification: Setting Up a Drylands and Desert Restoration Hub

The main objective of the Action is to create an Arid Lands Restoration Hub which will assemble a multidisciplinary network of European and world experts concentrating on arid lands restoration and combat of desertification through the establishment and management of vegetation.

Durée de l'Action: 4 ans

Contact en Suisse

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ES1105 Cyanobacterial blooms and toxins in water resources: Occurrence, impacts and management

The main objective of the Action is to increase, disseminate and harmonize capabilities across Europe for the risk management of cyanobacteria and cyanotoxins in water bodies by establishing strong and synergistic links between academia, authorities, industry and citizens.

Durée de l'Action: 4 ans

Contact en Suisse

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ES1106 Assessment of EUROpean AGRiculture WATER use and trade under climate change (EURO-AGRIWAT)

The main objective of the Action is to deliver integrated methodologies and databases for the European wide assessment of water use and trade associated to key food and energy crops at different spatial scales under current and future climatic conditions.

Durée de l'Action: 4 ans

Contact en Suisse

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FA1104 Sustainable production of high-quality cherries for the European market

The main objective of the Action is to develop innovative strategies to safeguard European cherry production by the adaptation of cherry varieties and cultivation to climate change, the development of sustainable cultivation practices, and the promotion of high-quality fruits.

Durée de l'Action: 4 ans

Contact en Suisse

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FA1105 Towards a sustainable and productive EU organic greenhouse horticulture

The main objective of the Action is to improve and disseminate knowledge for new and better production strategies, methods and technologies to support sustainable and productive organic greenhouse/protected horticulture in the EU.

Durée de l'Action: 4 ans

Contact en Suisse

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FP1103 Fraxinus dieback in Europe: elaborating guidelines and strategies for sustainable management (FRAXBACK)

The main objective of the Action is to generate comprehensive understanding of Fraxinus dieback phenomenon, and to elaborate state of the art practical guidelines for sustainable management of Fraxinus in Europe.

Durée de l'Action: 4 ans

Contact en Suisse

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FP1105 Understanding wood cell wall structure, biopolymer interaction and composition: implications for current products and new material innovation

The main objective of the Action is to improve understanding of wood cell structure, biopolymer interaction and composition and factors driving these variables, to support wood based product and process improvement and develop new biopolymer based materials.

Durée de l'Action: 4 ans

Contact en Suisse

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FP1106 STReSS - Studying Tree Responses to extreme Events: a Synthesis

The main objective of the Action is to improve the understanding of processes behind responses to extreme climate conditions in European trees and forests.

Durée de l'Action: 4 ans

Contact en Suisse

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IC1104 Random Network Coding and Designs over GF(q)

The main objective of the Action is to advance European research in the field of random network coding and designs over GF(q) by cross-linking a number of European expert groups from several distinct disciplines and areas in information and communication technology.

Durée de l'Action: 4 ans

Contact en Suisse

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IC1106 Integrating Biometrics and Forensics for the Digital Age

The main objective of the Action is the stimulation of an innovative and timely cooperation between two established research communities: the biometrics community and the forensics community. The goal is the imaginative integration of their skills and activities to create a new, vibrant and highly effective community capable of developing novel solutions in the fight against crime.

Durée de l'Action: 4 ans

Contact en Suisse

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IS1102 Social services, welfare state and places. The restructuring of social services in europe and its impacts on social and territorial cohesion and governance (so.s.cohesion)

The main objective of the Action is to compare and integrate knowledge about the features and effects of the recent restructuring of social services in national and regional contexts belonging to different welfare models, with a view to identifying best practices and contributing recommendations towards common European social policy guidelines.

Durée de l'Action: 4 ans

Contact en Suisse

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IS1107 European Network for Conflict Research (ENCoRe)

The main objective of the Action is to coordinate and accelerate the construction and maintenance of conflict datasets with an integrated online portal that allows researchers and policy makers to analyse and forecast the outbreak and course of political violence.

Durée de l'Action: 4 ans

Contact en Suisse

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MP1105 Sustainable flame retardancy for textiles and related materials based on nanoparticles substituting conventional chemicals. (Acronym : FLARETEX)

The main objective of the Action is to form a European multidisciplinary Knowledge Platform on Sustainable Flame Retardancy to facilitate the rapid development of fire safe textiles and related materials of low toxicity and ecotoxicity, using all the available technologies.

Durée de l'Action: 4 ans

Contact en Suisse

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TD1105 European Network on New Sensing Technologies for Air-Pollution Control and Environmental Sustainability - EuNetAi

The main objective of the Action is to develop new sensing technologies for Air Quality Control at integrated and multidisciplinary scale by coordinated research on nanomaterials, sensor-systems, air-quality modelling and standardised methods for supporting environmental sustainability with a special focus on Small and Medium Enterprises.

Durée de l'Action: 4 ans

Contact en Suisse

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TD1106 Urban Agriculture Europe (UAE)

The main objective of the Action is to develop a common and specific European approach to urban agriculture among scholars and professionals in the domains of agriculture and urban development that will influence European, national and regional policies on urban agriculture.

Durée de l'Action: 4 ans

Contact en Suisse

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TD1107 Biochar as option for sustainable resource management

The main objective of the Action is to expand and interconnect knowledge in Biochar systems, to assess environmental impacts of Biochar use and thus sharpen a promising global change mitigation tool up to the stage where economically feasible application will begin.

Durée de l'Action: 4 ans

Contact en Suisse

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TU1104 Smart Energy Regions

The main objective of the Action is to investigate the drivers and barriers that may impact on the long term creation of low carbon regions in Europe. Work will focus on the broader issues associated with low carbon technologies and processes within the built environment.

Durée de l'Action: 4 ans

Contact en Suisse

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