

Centre National de la Recherche Scientifique
 Université de Versailles Saint-Quentin en Yvelines
 Université Pierre et Marie Curie
 Agence De l'Environnement et de la Maîtrise de l'Energie



cea Commissariat à l'énergie Atomique
 Ecole Polytechnique

With the backing of:
 Ministère de l'Enseignement Supérieur et de la Recherche
 Ministère de l'Ecologie, de l'Energie, du Développement Durable et de l'Aménagement du Territoire

Eight partners provide a funding over a period of 5 years (2007-2011)



PARIS RESEARCH CONSORTIUM CLIMATE-ENVIRONMENT-SOCIETY

To foster interdisciplinary research on climate change and its impact on society and the environment

<http://www.gisclimat.fr>

Director : Sylvie Joussaume

Four key research areas

- Global climate, energy policies, and economic development
- Climate extremes and vulnerable regions
- Climate change, ecosystems, land use and water resources
- Impacts of climate change on health

Actions

- Incentive and financing of interdisciplinary initiatives:** large research projects aiming to explore disturbances due to climate change and their multiple impacts (physical, chemical, biological, and socioeconomic). Call for proposals three times a year.
- Financial and human support for scientific events:** seminars aiming to identify needs and build new interdisciplinary projects, scientific workshops, thematic public conferences...
- Invitation of top level foreign researchers** whose fields of expertise are attractive for several laboratories of the consortium.

RISC-UV
Impact of climate change on ultraviolet radiation and risks for health

PLUIES-TIBET
Evaluation of the variability of precipitation in the South-East of Tibet by isotopic analysis of tree rings, glaciers and precipitation, and numeric modelling

AFOCLIM
Forest trees and changing climate: understanding the past and predicting the future by analysing tree rings

CARBOSOIL
Getting a better understanding of soil carbon dynamics in order to improve its modelling within a context of climate change

DECLIC
Greenhouse gas emissions: study of economic patterns and climate change associated with several scenarios

REGYNA
Regionalisation of precipitation, and hydrological and agricultural impact of climate change on vulnerable regions

IPSL federation and 8 laboratories in the Paris area
A potential of 300 researchers

Health Sciences
Laboratoires de l'UFR Médicale Paris Ile-De-France Ouest

Climate Sciences
Institut Pierre Simon Laplace
Centre d'étude des environnements terrestre et planétaires (CETP)
Laboratoire de météorologie dynamique (LMD)
Laboratoire d'océanographie et du climat (LOCEAN)
Laboratoire des sciences du climat et de l'environnement (LSCE)
Service d'aéronomie (SA)

Hydrology
Structure et fonctionnement des systèmes hydriques continentaux (Sisyphé)

Air quality
Laboratoire interuniversitaire des systèmes atmosphériques (LISA)

Ecology
Biogéochimie et écologie des milieux continentaux (BIOEMCO)
Ecologie Systématique et Evolution (ESE)

Social and economic Sciences
Centre d'économie et d'éthique pour l'environnement et le développement durable (C3ED)
Centre international de recherche sur l'environnement et le développement (CIRED)
Laboratoire d'économétrie de l'Ecole Polytechnique (CECO)

RENASEC
Characterisation of extreme events in France since 1500; assessment of their frequency and magnitude over time

MORCE MED
Coupled regional modelling platform for the study of the regional impacts of climate change. Application to the Mediterranean region

PAC
Evaluation of the long-term impact of climate change on pollen allergies

ICOS
Integrated Carbon Observation System : a major research infrastructure for the measurement of greenhouse gases and biospheric flux of CO2 in Europe

RAMONS
Giving to scientists driving interdisciplinary research on climate change impacts the resources needed to reinforce synergies between distinct scientific fields, and increase the articulation of their activities of knowledge production with society

PREMAPOL
Meteorological conditions, air quality and risk of premature births