

Organization	Research topics relevant to climate change	Regional focus	Additional information
Asia-Pacific Network for Global Change Research (APN)			
http://www.apn-gcr.org/	Long-term global changes in climate and on related physical, chemical, biological and socio-economic processes	Asia-Pacific	APN provides funding for projects through a competitive annual process and organizes various capacity building activities throughout the Asia-Pacific region. More information on activities here .
Consultative Group on International Agricultural Research (CGIAR)			
http://www.cgiar.org/	Sustainable food production, pro-environment farming techniques, food policies, agricultural research services	Developing countries	Example project: Climate Change, Agriculture and Food Security Challenge Programme (in cooperation with ESSP)
DIVERSITAS			
http://www.diversitas-international.org/	Biodiversity, interdisciplinary	Global	DIVERSITAS Core Projects bioGENESIS bioDISCOVERY ecoSERVICES bioSUSTAINABILITY DIVERSITAS is one of the partners of ESSP.

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Earth System Science Partnership (ESSP) ESSP is a joint initiative of the International Geosphere-Biosphere Programme (IGBP), the International Human Dimensions Programme on Global Environmental Change (IHDP), the World Climate Research Programme (WCRP) and DIVERSITAS for the integrated study of the Earth System, the ways that it is changing, and the implications for global and regional sustainability.			
http://www.essp.org/	Integrated study of the Earth system, sustainability	Global	Example projects: Global Carbon Project (GCP) Components of the global carbon cycle, including its biophysical and human dimensions and interactions and feedbacks between them. Climate Change, Agriculture and Food Security Challenge Programme (in cooperation with CGIAR)
European Climate Forum (ECF) ECF is a platform for joint studies and science-based stakeholder dialogue on climatic change. The core activity of the Forum is to define and carry out joint studies to support the long-term policies leading towards a sustainable development path.			
http://ecf.pik-potsdam.de/	Global aspects of the interaction of climate change and the socio-economic system; regional impacts of climate change; economic and political instruments for controlling greenhouse gas emissions; technologies for reducing greenhouse gas emissions	Europe	Scientific Founding Members of ECF: Potsdam Institute for Climate Impact Research Max Planck Institute for Meteorology Tyndall Centre for Climate Change Research Fondazione ENI Enrico Mattei Nansen Environmental and Remote Sensing Centre Paul Scherrer Institut, ETH Zürich International Research Center on Environment and Development

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Inter-American Institute for Global Change Research (IAI)	The IAI is an intergovernmental organization dedicated to pursuing the principles of scientific excellence, international cooperation, and the full and open exchange of scientific information to increase the understanding of global change phenomena and their socio-economic implications.		
http://www.iai.int/	Climate change and variability; ecosystems, biodiversity, land use and cover and water resources; global change modulations of the composition of the atmosphere, oceans and fresh water; human dimensions and policy implications of global change, climate variability and land use.	The Americas	The primary objective of the IAI is to encourage research beyond the scope of national programs by advancing comparative and focused studies based on scientific issues important to the region as a whole. Information on active scientific programs here
Intergovernmental Panel on Climate Change (IPCC)	The IPCC is a scientific intergovernmental body set up by the World Meteorological Organization (WMO) and by the United Nations Environment Programme (UNEP). Its mandate is to provide the decision-makers and others interested in climate change with an objective source of information about climate change, its potential environmental and socio-economic consequences and the adaptation and mitigation options to respond to it.		
http://www.ipcc.ch	Scientific, technical and socio-economic information on human-induced climate change, its observed and projected impacts and options for adaptation and mitigation.	Global	The IPCC assesses on a comprehensive, objective, open and transparent basis the latest scientific, technical and socio-economic literature produced worldwide relevant to the understanding of the risk of human-induced climate change, its observed and projected impacts and options for adaptation and mitigation. The IPCC does not conduct any research by itself. IPCC Fourth Assessment report: Climate Change 2007 Climate Change 2007 Synthesis Report Working Group I Report "The Physical Science Basis" Working Group II Report "Impacts, Adaptation and Vulnerability" Working Group III Report "Mitigation of Climate Change"

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International Alliance of Research Universities (IARU)			
http://www.iaruni.org/	Global change from the perspectives of: longevity and health; energy, resources and environment; regional perspectives on global security; women and men in globalizing universities	Global	IARU members: Australian National University ETH Zurich National University of Singapore Peking University University of California, Berkeley University of Cambridge University of Copenhagen University of Oxford The University of Tokyo Yale University IARU Global Change projects
International Arctic Science Committee (IASC)			
http://www.arcticportal.org/iasc	Impact of climate change in the Arctic	Arctic	Long-term programs, initiated under the umbrella of IASC Examples: International Study of Arctic Change (ISAC) Arctic Climate Impact Assessment (ACIA)

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International Council for Science (ICSU)			
http://www.icsu.org/	Environmental research; polar research; integrated research on disaster risk	Global (Regional focus: Asia-Pacific, Latin America and the Caribbean, Africa)	ICSU regional offices: Regional Office for Asia-Pacific Regional Office for Latin America and the Caribbean Regional Office for Africa Information on ICSU's environmental research programmes here The International Polar Year -project (in cooperation with WMO) The State of Polar Research
International Foundation for Science (IFS)			
http://www.ifs.se/	Sustainable management of biological and water resources	Developing countries	Research grants and awards to promote the research in developing countries, workshops

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International Geosphere-Biosphere Programme (IGBP)			
http://www.igbp.net/	Interactions between biological, chemical and physical processes and human systems	Global	Example project: GLOBEC (Global Ocean Ecosystem Dynamics) is core project of IGBP responsible for understanding how global change will affect the abundance, diversity and productivity of marine populations. Research on the role of the multiscale physical environmental processes in forcing large-scale changes in marine ecosystems and the associated feedbacks. IGBP is one of the partners of ESSP.
International Group of Funding Agencies for Global Change Research (IGFA)			
http://www.igfagcr.org/	Global change	Global	The focus in IGFA is to coordinate and support the programs active in global change research through providing a forum for information exchange on global change research. IGFA does not provide funding for single projects.
International Human Dimensions Programme on Global Environmental change (IHDP)			
http://www.ihdp.unu.edu/	Global environment; human security; sustainable production and consumption systems; food and water issues; urbanization; global carbon cycle	Global	Information on core science projects of IHDP here IHDP is one of the partners of ESSP.

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International Institute for Applied Systems Analysis (IIASA) The International Institute for Applied Systems Analysis (IIASA) is an international research organization. It conducts inter-disciplinary scientific studies on environmental, economic, technological, and social issues in the context of human dimensions of global change.			
http://www.iiasa.ac.at/	Policy-oriented research on environmental, economic, technological and social issues in the context of global change	International	Example projects: Health and Global Change Project Integrated modeling environment
International Research Institute for Climate and Society (IRI) The IRI works on the development and implementation of strategies to manage climate related risks and opportunities. It supports sustainable development by bringing the best science to bear on managing climate risks in sectors such as agriculture, food security, water resources, and health.			
http://portal.iri.columbia.edu/	Demand-driven research and capacity building on climate information, environmental monitoring, agriculture, health, water, economics&livelihoods	Africa, Asia&Pacific, Latin America and Caribbean	Example programme: Climate programme
International Union of Forest Research Organizations (IUFRO) IUFRO is a non-profit, non-governmental international network of forest scientists, which promotes global cooperation in forest-related research and enhances the understanding of the ecological, economic and social aspects of forests and trees.			
http://www.iufro.org/	Forests and ecosystems	Africa, Latin America, Asia-Pacific, Northeast Asia	Example programmes: Special Programme for Developing Countries Special Project on World Forests, Society and Environment

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START (Global Change System for Analysis, Research and Training)	START is an international , non-governmental organization sponsored by the Earth System Science Partnership (ESSP) to encourage and enable research on regional aspects of global change, assess the causes and impacts of regional global change and to enhance the capacity of individuals, institutions and developing regions to undertake such research.		
http://www.start.org/	Regional research on land use change and its impacts, climate variability and change, changes in atmospheric composition and its impacts, global change and coastal zones, vulnerability and adaptation to global change	Southeast Asia, South Asia, Temperate East Asia, Oceania, Africa, Mediterranean	<p><u>Southeast Asia Regional Committee for START (SARCS)</u> <u>South Asian START Committee (SASCOM)</u> <u>Temperate East Asia Regional Center (TEA-RC)</u> <u>Oceania Regional Committee</u> <u>Pan-African START Secretariat (PASS)</u> <u>START Planning Committee for the Mediterranean (MEDCOM)</u></p> <p>Activities include: <u>Advancing Capacity to Support Climate Change Adaptation (ACCCA)</u> <u>Assessments of Impacts and Adaptation to Climate Change (AIACC)</u></p>
Tropical Agricultural Research and Higher Education Center (CATIE)	CATIE is a regional scientific knowledge center for agriculture and the management of natural resources, dedicated to sustainable rural development and poverty reduction in tropical America. Global change and especially climate change is one of CATIE's priority areas.		
http://www.catie.ac.cr/	Global change, agriculture, natural resources, forestry	Tropical America	Information on research programs <u>here</u>
TWAS - The Academy of Sciences for the Developing World	TWAS is an autonomous international organization. Its mission is to promote scientific excellence and capacity in the developing world for science-based sustainable development.		
http://www.twas.org/	Sustainability, agricultural and earth sciences, impact of climate change on agriculture in developing countries	Developing world	TWAS unites more than 800 scientists from some 90 countries.

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World Agroforestry Centre (ICRAF)	The World Agroforestry Centre is an international research organization with a mission to generate science-based knowledge about the diverse roles that trees play in agricultural landscapes and to use its research to advance policies and practices that benefit the poor and the environment.		
http://www.worldagroforestrycentre.org/	Vulnerability and adaptation to climate change and climate change mitigation in regards to agroforestry (availability of water and nutrients, productivity, tools and practices, small farmers, carbon cycles, enabling policies and technologies)	Africa, Asia, Latin America	<u>The Climate Change Research Project</u> : the objective is to improve the resilience of farming systems and livelihood strategies of smallholder farmers to current climate variability as well as long-term climate change, through the increased use of trees for intensification, diversification and buffering of farming systems. Research Programme has two major emphasis: i.) Vulnerability and adaptation to climate variability and change; and ii) Carbon sequestration through agroforestry to mitigate climate change.
World Climate Research Programme (WCRP)	WCRP is a research programme to determine the predictability of climate; and to determine the effect of human activities on climate observations & modelling of the Earth system and the policy-relevant assessment of climate conditions		
http://wcrp.wmo.int/	Observations and modelling of the Earth system and policy-relevant assessment of climate conditions	Global	Example projects: <u>Global Energy and Water Cycle Experiment (GEWEX)</u> <u>Climate Variability and Predictability (CLIVAR)</u> <u>Stratospheric Processes And their Role in Climate (SPARC)</u> <u>The Climate and Cryosphere (CliC)</u> <u>Sea-level rise activities</u> <u>Modelling activities</u> <u>Seasonal prediction</u> WCRP also endorses the <u>African Monsoon Multidisciplinary Analysis (AMMA)</u> WCRP is one of the partners of ESSP and sponsored by the International Council for Science (ICSU), the World Meteorological Organization (WMO) and the Intergovernmental Oceanographic Commission (IOC) of UNESCO.

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World Meteorological Organization (WMO)	The World Meteorological Organization (WMO) is a specialized agency of the United Nations. It focuses on the state and behaviour of the Earth's atmosphere, its interaction with the oceans, the climate it produces and the resulting distribution of water resources.		
http://www.wmo.int/	Atmospheric research, climate system, variability and change	Global	Supports research in atmospheric science through: <u>Atmospheric Research and Environment Programme (AREP)</u> AREP co-ordinates and stimulates research on the composition of the atmosphere and weather forecasting, focusing on extreme weather events and socio-economic impacts. AREP supports global research initiatives under programmatic guidance from the Commission for Atmospheric Sciences (CAS). This is done through two programmes: <u>Global Atmosphere Watch (GAW)</u> <u>World Weather Research Programme</u> (incl. THORPEX) Other climate change research -relevant activities: <u>International Polar Year 2007-2008</u> (in cooperation with ICSU)