NSFC Announced Results of Preliminary Evaluation of Bilateral Cooperative Research Projects with DFG

In 2009, NSFC received 28 applications for "management and adaptability of water resources in river valley under changing environment", a bilateral cooperative project of National Natural Science Foundation of China and DFG. After preliminary review, 23 proposals are accepted, five declined.

The list of the applications is:

	PI's and institution	Name of application
1	Hu Chunsheng Center for Agricultural Resources Research, Institute of Genetics and Developmental Biology, CAS Gunnar Lischeid Centre for Agricultural Landscape Research	Research on the effect of different field management on groundwater supply and solute transport in intensive farmland in Haihe region
2	Shi Xuezheng Institute of Soil Science, CAS Thomas Scholten Institute of Geography, University of Tubingen	Soil erosion under future conditions: mechanism of vegetation protection against soil erosion and simulation of soil erosion and comprehensive management and application of water resources
3	Cai Qinghua Institute of Hydrobiology, CAS Nicola Fohrer Christian-Albrechts-University Kiel	Model of response of valley ecosystem to land utilization and climate change—taking Changjiang, a branch of Boyang Lake as an example
4	Wu Ning Chengdu Institute of Biology, CAS Klaus-Holger Knorr Department of Hydrology, University of Bayreuth	Identification of "hotspots" in bio-geo-chemical process of C, N and S element in hydro ecosystem of Minjiang upper reaches after Wenchuan earthquake and its significance to valley water resource management
5	Jin Rui Institute of Cold and Arid Region Environment and Engineering, CAS Montzka Carsten Forschungszentrum Julich Agrosphere Institute(ICG 4)	Prediction of hydrological flux of Haihe region based on remote and data assimilation method—SP1: developing multi scale data assimilation method for hydrological flux prediction
6	Liu Shaomin Beijing Normal University Harry Vereecken Friedrich-Wilhelms-University Bonn	Prediction of hydrological flux of Haihe region based on remote and data assimilation method—SP12: observation of vaporization and soil moisture at multi scale levels
7	Su Buda National Climate Center Valentina Krysanova Potsdam Institute for Climate Impact Research	Studies and evaluation of hydrological circulation and cross-sectional flow process in changing environment
8	Jiang Tong National Climate Center Clemens Simmer Meteorological Institute at University of Bonn	Evaluation and comparison of the changing trend of extreme climate data in Haihe and Boyang Lake regions

(Continued)

	PI's and institution	Name of application
9	Gao Qingzhu Institute of Agricultural Environment and Sustainable Development, Chinese Academy of Agricultural Sciences Michael Ahlheim Institute of Economics, University of Hohenheim	Sustainable management of water resources in Haihe region and Beijing municipality and evaluation of conditions and value of ecosystem protection
10	Xu Hongmei National Climate Center Markus Disse University of the Federal Armed Forces Munich, Germany	Impact of separate land use and climate change on hydrological process in Boyang Lake
11	Wang Yanhui Chinese Academy of Forestry Kai Schwarzel Technology University of Dresden	Response of water supply quantity in semi-arid region in upper reaches of Haihe to climate change and land utilization
12	Yu Zhongbo Hohai University Harald Kunstmann Karlsruhe Research Center, IMK-IFU	Research on mechanism of land-atmospheric interaction in Haihe region and Boyang Lake region
13	Qian Jiazhong Hefei Universityof Technology Insa Neuweiler Leibniz University Hannover	Influence of urbanization and land utilization on ground water quality—taking sub regions of Chaohe in China as an example
14	Han Shenghui Institute of Atmospheric Physics, CAS Klaus Butterbach-Bahl FZK, IMK-IFU, Germany	Impact and preliminary evaluation of the impact land utilization and water resource management on soil NO2 emission in Haihe region
15	Gong Huili Capital Normal University Georg Hormann Christian-Albrechts-University zu Kiel	Simulation of hydrological process and wetland ecosystem of suburban Beijing in changing environment
16	Xiao Ziniu National Climate Center Simmer Clemens Meteorological Institute at University of Bonn	Assimilation theory and method of regional hydrological documents and its application in research of water circulation response in Haihe region to climate change
17	Lin Zhaohui Institute of Atmospheric Physics, CAS Yaping Shao University of Cologne	Research and development of simulation system of regional atmospheric and hydrology coupling and studies on response of water circulation to climate change in Haihe regions
18	Song Xianfang Institute of Geographic Sciences and Natural Resources Research, CAS Pu Li Institute of Automation and Systems Engineering	Ground water supply model and integration of underground non 均质性 and its application in Haihe region
19	Zheng Chunmiao Peking University Werner Aeschbach-Hertig Ruprecht-Karls-University Heidelberg	Study on ground water supply in North China Plain based on coupling method of environment tracer and numerical simulation

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	PI's and institution	Name of application
20	Zhang Naiming Yunnan Agricultural University WILKEN Rolf-Dieter Johannes Gutenberg-University of Mainz	Studies on the influence of land utilization on agricultural non point source pollutant N, P loading in Dianchi region
21	Zhang Dongxiao Peking University Stefan Kollet Meteorological Institute at University of Bonn	Coupling simulation and uncertainty analysis of coastal river region water resources in changing conditions of climate and land utilization
22	Li Xiaoyan Beijing Normal University Andreas Schumann Ruhr-University Bochum	Water resources management in Baiyangdian region in changing environment and adaptive countermeasures
23	Xie Shaorong Shanghai University Jianwei Zhang University of Hamburg	Real time sand transport information acquisition system based on underwater robot

• News in Brief •

NSFC Set Up Department of Medical Sciences

Recently NSFC set up Department of Medical Sciences. Up to now, NSFC has 8 scientific departments.

The newly formed Department of Medical Sciences will follow the principle of supporting free exploration of scientists and research of national need. It encourages research aimed at disease prevention and control, emphasizes on basic research and fostering research talents, stresses on international cooperation, promotes development of research in traditional Chinese medicine and original research, and aims at raising basic medical research and applied basic medical research in China.

According to Prof. Chen Yiyu, the president of NSFC, setting up **Department of Medical Sciences** is to match the development of medical research which justifies the forming of an independent department by separating from the Department of Life Sciences. This is also a major initiative of the government to pay more attention to the ife of the people, to increase the health level of the Chinese people, as well as to promote total, coordinated and sustainable development of society and economy. In addition, NSFC requires making adjustment of its organizational structure of disciplines and improving its management. In recent years, in terms of number of applications received each year and total amount of funding, the Department of Life Sciences accounts for near 1/3 of NSFC's total. Therefore, it is necessary to set up an independent department to do the job of supporting medical sciences.

A system of application code, sound and healthy expert evaluation system and good and professional management team for the Department of Medical Sciences is the core and the key to the work of this newly formed department.