

Chinese National Committee for Future Earth

Zhangcai Qin

Beijing
10-17-2019

CNC-FE

- History
- Structure
- Activities

CNC-FE is aimed

- to lead/organize Chinese research communities and stakeholders to participate in the Future Earth
- to provide the knowledge and solutions in a transition to sustainability

CNC-FE is **sponsored** by

- China Association for Science and Technology (CAST)

jointly supported by

- Chinese Academy of Sciences (CAS)
- Chinese Academy of Engineering (CAE)
- Chinese Academy of Social Sciences (CASS)
- Natural Science Foundation of China (NSFC)

History of CNC-FE

International Workshop on “Future Earth in China”
Sept. 26-27, 2013, Beijing, China



Sponsored by China
Association for Science and
Technology

Priority of Future Earth:CHINA & ASIA

- ◆ Rapid Urbanization, vulnerability of climate system and natural disasters;
- ◆ Monsoon climate change under global warming and human activities;
- ◆ Ecosystem resilience depends on species diversity;
- ◆ Food, water and energy security;
- ◆ Coastal region's vulnerability;
- ◆ Tectonic zones and natural disasters;
- ◆ Social equity (gender, education, wellbeing, governance)

Later they evolved into 14 key priority research areas for CNC-FE

History of CNC-FE



ICSU President Yuan-Tse LEE



President elect Gordon McBean



FE SC Chair Mark Stafford-Smith



ICSU Executive Director Steven Wilson

History of CNC-FE



Guanhua Xu, Ministry of Science and Technology (MOST)



Guoxiong Wu (ICSU EB member,
Chair of Expert Panel for MOST
Global Change Program)



Xiangwan Du (The Director of National
Expert Committee on Climate Change)

Chinese National Committee for Future Earth (CNC-FE) was established in Beijing on March 21, 2014

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CNC-FE second term founding conference and academic seminar was held in May 2018 at Sun Yat-Sen University, Zhuhai City



Plaques unveiling ceremony for the CNCFE Secretariat and the Working Group for UN Environment Consultation Secretariat.

80 participants, including CNC-FE leaders, members, experts and scholars from more than 30 institutions

Structure of CNC-FE

President

Qin Dahe China Meteorological Administration, cryospheric science and global change

Vice President

Du Xiangwan Chinese Academy of Engineering, nuclear physics

Wu Guoxiong Institute of Atmospheric Physics, Chinese Academy of Sciences, climatology

Chen Ying Institute for Urban and Environmental Studies, Chinese Academy of Social Sciences, economics

Chen Chunsheng Sun Yat-Sen University, history

Hou Zengqian National Natural Science Foundation of China, mineralpetrology

Jiang Kejun Energy Research Institute, National Development and Reform Commission, energy system

Fu Bojie Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Physical geography and landscape ecology

Secretary-General

Dong Wenjie Sun Yat-Sen University, Climatology

Committee Members of CNC-FE

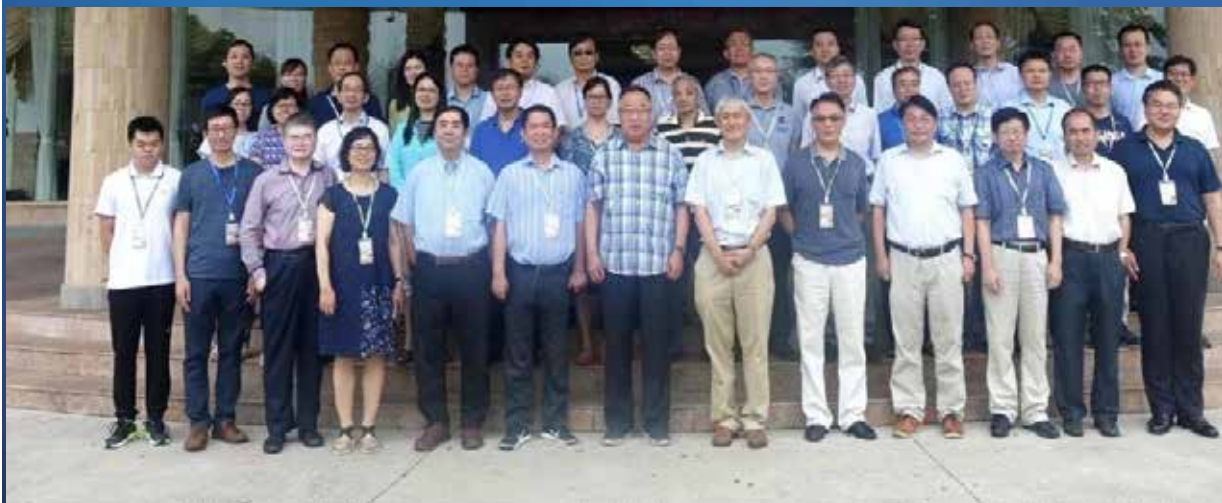
	Natural Sciences	Humanities and Social Sciences	Policy and Management	Media and Enterprise	Female
First Term	30	12	2	0	1
Second Term	41	26	5	12	11

Name	Organization	Profession	Title/position
Yu Hongyuan	Institute for Comparative Politics and Public Policy	Global governance, geopolitics	Professor/director
Wang Yiwei	Institute of Xi Jinping Thoughts on Socialism with Chinese Characteristics for New Era Research, Renmin University of China	International relations	Professor/associate dean
Wang Yuxiang	Beijing Piesat Information Technology Co., Ltd.	Members of the Enterprise	Chairman of the board
Wang Junming	Science and Technology Daily	International science and technology news	Director of International Affairs
Wang Yi	Institutes of Science and Development, Chinese Academy of Sciences	Public policy and development strategy	Professor/vice president
Shan Chunchang	Emergency Management Expert Group of State Council	Emergency management	Group leader
Zhu Haiyan	Science Press	Members of the Publishing	Information Bureau Chief
Wu Yegang	Beijing Boda Ecological City Planning and Design Institute	Ecological restoration, ecological planning	Dean
Liu Weidong	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	Economic geography	Professor/assistant to director
Liu Jun	Inspur High Performance Server Division	Members of the Enterprise	General manager
Liu Shiping	Domestic News Editorial Department, Xinhua News Agency	News dissemination	Senior journalist
Liu Yang	Global Business & Finance	Members of the Media	Deputy editor
Liu Qiyong	National Institute for Communicable Disease Control and Prevention, Chinese Center for Disease Control and Prevention	Public health	Professor/assistant to director
Li Zhanjun	China Science Daily	Science and technology news dissemination	Senior editor
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CNCFE established its secretariat at Sun Yat-Sen University in 2018 and hired full-time staff



Symposium on the Frontiers of Climate Change Science in Zhuhai, 7-8 July 2017



The 622nd Xiangshan Science Conference Symposium -- "the Future Earth plan and the building of a community with a shared future for mankind", April, 2018



The “Forum on Future Earth and Ecological Civilization” in Jiande City, Zhejiang Province, July, 2018



Opening address by CNC-FE President Qin Dahe



Zhu Huan, Mayor of jiande city, delivered a welcoming address

Lucid Waters and Lush Mountains Are Invaluable Assets: To Create Future Eco-Development in China



Consensus Reached by Forum on Future Earth and Ecological Civilization in
Jiande City

The consensus mainly includes four aspects:

(1) The scientific community should strengthen scientific and technological innovation in the construction of ecological civilization, proceed from the national conditions in China to carry out key scientific issues such as climate change, low-carbon energy, air pollution, water resources and food safety, public health and other issues, guide innovation with scientific spirit and provide technological support for the construction of global ecological civilization.

(2) We should vigorously promote the integration of natural science and humanities and social sciences, strengthen the cultivation of multi-disciplinary talents; conduct interdisciplinary integrated research, explore the links between climate change science and sustainable economic and social development, and enhance the influence of scientific research achievements of the Future Earth on decision-making for high-quality economic and social development.

(3) We should strengthen the educational publicity and knowledge popularization for the construction of ecological civilization, raise the public's awareness of ecological civilization; create a good atmosphere of public opinions, better understand and support the actions taken by the Chinese government; strengthen and improve the scientific dissemination of ecological civilization, and encourage the public to actively take actions to protect the ecological environment.

(4) We should construct an ecological system that reveres nature and green development, strengthen ecological protection; explore innovative system to build the life community of "mountains, rivers, forests, fields, lakes and grasses", promote an effective and sustainable ecological compensation mechanism; create a sound three-dimensional ecosystem pattern, and adhere to the conviction that lucid waters and lush mountains are invaluable assets, so as to achieve benign interaction between environmental protection and economic development.

CNC-FE Vice President Prof. Chen Ying is speaking at the Symposium on Sustainability in the Korean Peninsula and Northeast Asia, October 24-26, 2018

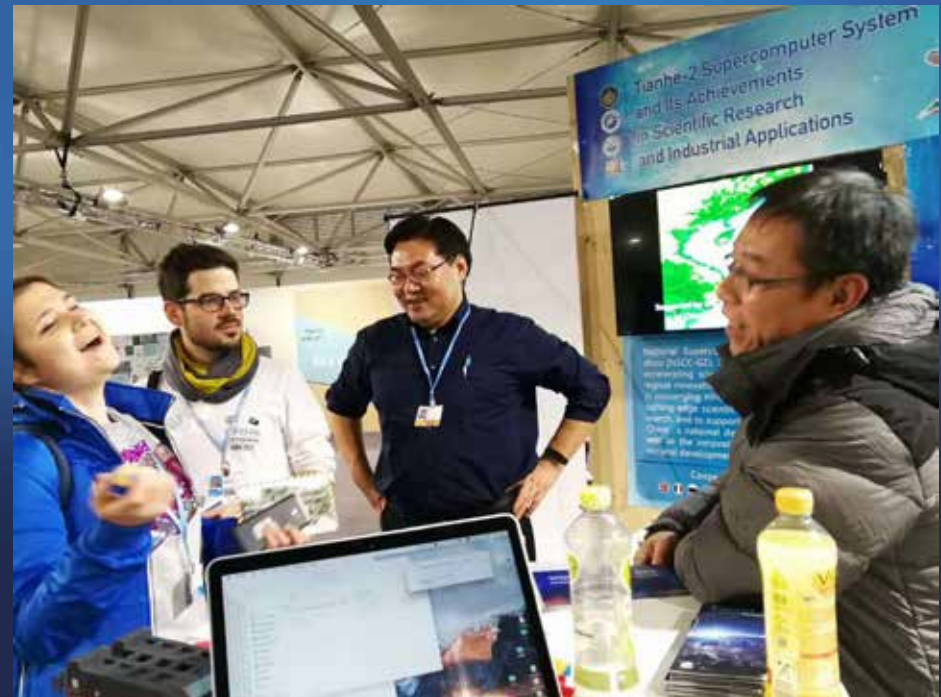


Side Event on COP 23, Bonn

Future Climate and Environmental Change along the Millennium Silk Road



Exhibition on COP 23, Tianhe-2 Supercomputer System and Its Achievements in Scientific Research and Industrial Applications



CNC-FE at the 24th Conference of the Parties to the United Nations Framework Convention on Climate Change (COP24) in Katowitz, Poland

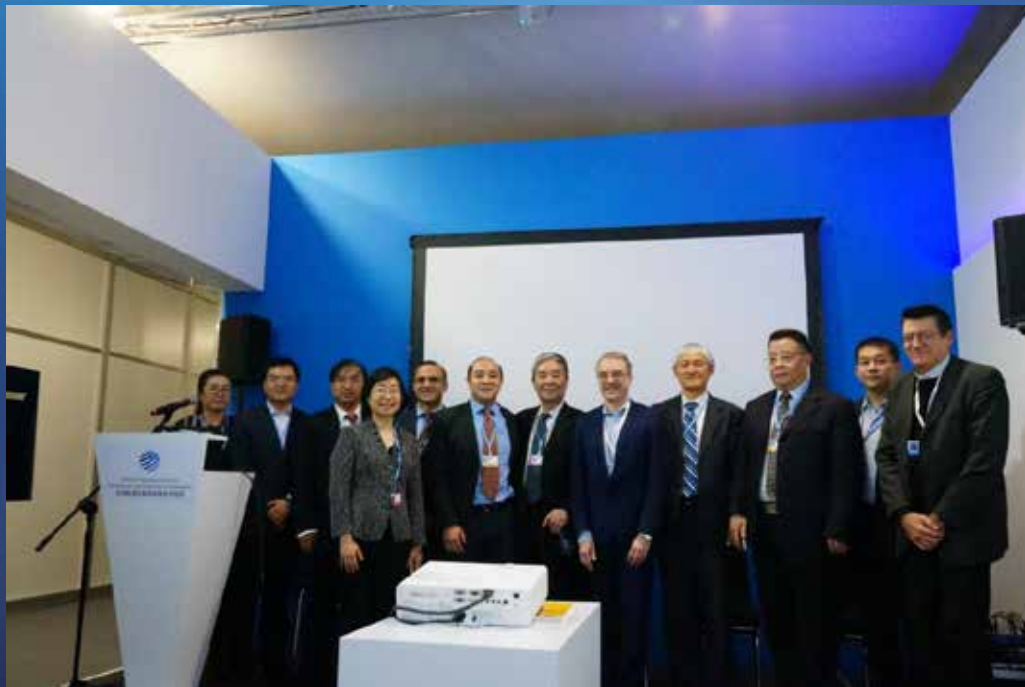


Meeting with Liu Yanhua, Deputy Minister of Science and Technology



Meeting with Future Earth Science Officer Ms. Kaela Slavik

COP24 Side Event 1 "Chinese Scientists in Action"



COP24 Side Event 2 “Future Earth in China”



CNC-FE jointly held the First China Atmospheric Physics and Atmospheric Environment Development Forum at Zhuhai on April 12-13, 2019,



CNC-FE organized students from university to communicate with neighborhood society and call for social attention to climate change related issues.



CNCFE Chinese website, CNCFE WeChat public account



Translation of FE Reports and Newsletters



Provide scientific support and policy consultation according to national and local government needs.

- Suggestions on strengthening research on scientific issues related to 1.5°C temperature rise in China
- The influence of the development of new global temperature sequence on "Hiatus" and the discourse power of climate change
- The role of international carbon transfer from the perspective of balance between emission reduction and poverty alleviation
-

Participated in the preparation of the fourth national assessment report on climate change

- "special report on climate change of the Hong Kong and Macao special administrative regions"
- "special report on climate change in the guangdong-hong kong-macao greater bay area"

Organize seminars on environmental issues in sustainable development

Organize committee members and experts to publish a column in the progress of climate change research (English and Chinese)

In March 2018, "promoting the building of a community with a Shared future for mankind" was formally written into the **constitutional amendment** adopted at the first session of the 13th National People's Congress.



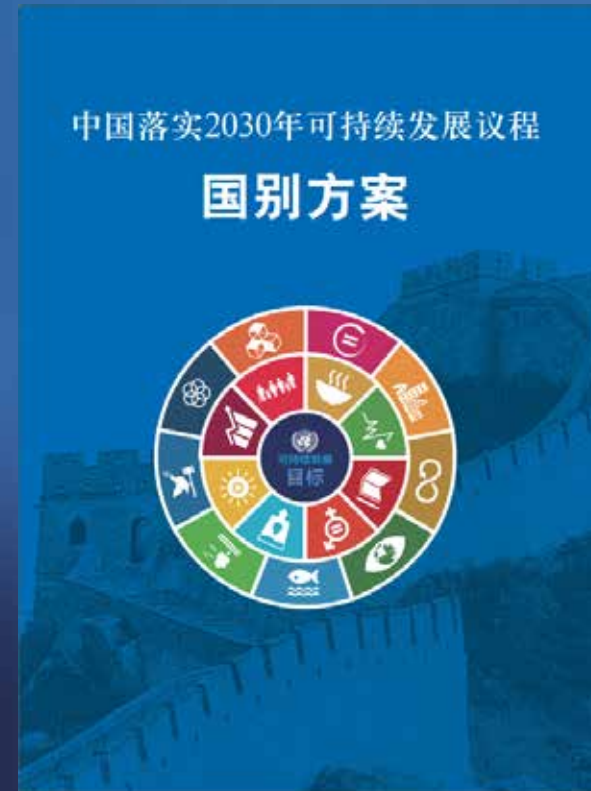
Peace, development, partnership and multilateralism -- the community of shared future for humanity, tended and nourished by President Xi

The principles for building a community with a shared future

- all countries to **respect** one another and treat each other as equals
- cooperate in search of **win-win solutions** and common development
- achieve common comprehensive collaborative and sustainable **security**
- maintain mutually enriching and beneficial interactions among civilizations in a spirit of **inclusiveness**



Progress Report on China's
Implementation of the 2030 Agenda
for Sustainable Development



National Plan for Implementing
the 2030 Agenda for Sustainable
Development

THANKS FOR YOUR ATTENTION

