Chinese National Committee for Future Earth

Zhangcai Qin
Beijing
10-17-2019
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

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

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<tr>
<th></th>
<th>Natural Sciences</th>
<th>Humanities and Social Sciences</th>
<th>Policy and Management</th>
<th>Media and Enterprise</th>
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<td><strong>First Term</strong></td>
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<tr>
<td>Yu Hongyuan</td>
<td>Institute for Comparative Politics and Public Policy</td>
<td>Global governance, geopolitics</td>
<td>Professor/director</td>
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<tr>
<td>Wang Yiwei</td>
<td>Institute of Xi Jinping Thoughts on Socialism with Chinese Characteristics for New Era Research, Renmin University of China</td>
<td>International relations</td>
<td>Professor/associate dean</td>
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<td>Wang Yuxiang</td>
<td>Beijing Piesat Information Technology Co., Ltd.</td>
<td>Members of the Enterprise</td>
<td>Chairman of the board</td>
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<td>Wang Junming</td>
<td>Science and Technology Daily</td>
<td>International science and technology news</td>
<td>Director of International Affairs</td>
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<td>Wang Yi</td>
<td>Institutes of Science and Development, Chinese Academy of Sciences</td>
<td>Public policy and development strategy</td>
<td>Professor/vice president</td>
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<tr>
<td>Shan Chunchang</td>
<td>Emergency Management Expert Group of State Council</td>
<td>Emergency management</td>
<td>Group leader</td>
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<td>Zhu Haiyan</td>
<td>Science Press</td>
<td>Members of the Publishing</td>
<td>Information Bureau Chief</td>
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<td>Wu Yegang</td>
<td>Beijing Boda Ecological City Planning and Design Institute</td>
<td>Ecological restoration, ecological planning</td>
<td>Dean</td>
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<td>Liu Weidong</td>
<td>Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences</td>
<td>Economic geography</td>
<td>Professor/assistant to director</td>
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<td>Liu Jun</td>
<td>Inspur High Performance Server Division</td>
<td>Members of the Enterprise</td>
<td>General manager</td>
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<td>Liu Shiping</td>
<td>Domestic News Editorial Department, Xinhua News Agency</td>
<td>News dissemination</td>
<td>Senior journalist</td>
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<td>Liu Yang</td>
<td>Global Business &amp; Finance</td>
<td>Members of the Media</td>
<td>Deputy editor</td>
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<td>Liu Qiyong</td>
<td>National Institute for Communicable Disease Control and Prevention, Chinese Center for Disease Control and Prevention</td>
<td>Public health</td>
<td>Professor/assistant to director</td>
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<td>Li Zhanjun</td>
<td>China Science Daily</td>
<td>Science and technology news dissemination</td>
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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
Meeting with Liu Yanhua, Deputy Minister of Science and Technology

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

Meeting with Future Earth Science Officer Ms. Kaela Slavik
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