

DRAGON-STAR Plus ‘Climate Change Expert Workshop’

Date: May 15th, 2017

Location: Qizhen hotel (Zijingang campus of Zhejiang University)
 Qiushi meeting room, 3rd floor
 Hangzhou

Objectives and Expected Outcomes:

By bringing together experts and policy makers from China and Europe the ‘Climate Change Expert Workshop’ organised by DRAGON-STAR Plus intends to discuss foresight scenarios, develop a shared understanding on common EU-China challenges, and make recommendations on EU-China cooperation opportunities to address in the long term environmental pollution, the need for renewable energies and climate change and its global environmental implications.

The ‘Climate Change Expert Workshop’ will promote the dialogue between European JPIs active in climate change issues, i.e. JPI WATER, JPI Agriculture, Food Security and Climate Change (FACCE), JPI OCEAN and JPI CLIMATE and Chinese STI Programmes owners, funding agencies and policy makers.

08.30 - 09.00	Registration	DRAGON-STAR Plus ‘Climate Change Expert Workshop’
09.00 - 09.20	1. Welcoming and Opening session	<p><u>Moderator:</u> Ms Elli Tzatzanis-Stepanovic FFG, Austria</p> <ul style="list-style-type: none"> • Mr Yan Jianhua Vice president for research, Zhejiang University (tbc) • Mr Laurent Bochereau Head of Science, Technology and Environment Section, Delegation of the EU to China • Mr Epaminondas Christofilopoulos DRAGON-STAR Plus coordinator, PRAXI/FORTH, Greece
9.20 - 10.00	2. The future of EU-China STI collaboration in climate research	<p><u>Moderator:</u> Ms Elli Tzatzanis-Stepanovic FFG, Austria</p> <ul style="list-style-type: none"> • Mr Epaminondas Christofilopoulos PRAXI/FORTH, Greece • Mr Tomas Larsson KAIROS Future Shanghai, China
10.00 - 11.15	3. Promoting the dialogue between European JPIs and Chinese STI Programmes	<p><u>Moderator:</u> Mr Manfred Horvat Vienna University of Technology, Austria</p> <ul style="list-style-type: none"> • Mr Maurice Héral ANR, France • Mr Berry J. Bonenkamp Netherlands Organisation for Scientific Research, The Netherlands • Ms Dai Le China Science and Technology Exchange Center, China
11.15 - 11.45	Coffee/Tea Break	

11.45 - 13.00	4. Sino-European STI collaboration perspectives. Renewable energy and circular economy as central links?	<p><u>Moderator:</u> Ms Odette Paramor University of Nottingham Ningbo, China</p> <ul style="list-style-type: none"> • Ms Ichin Cheng Sustainable Innovation Lab, UK/Asia • Mr Lin Gao Institute of Engineering Thermophysics, Chinese Academy of Sciences • Mr Weixiang Wu Institute of Environment Pollution Control and Treatment, Zhejiang University, Hangzhou, China • Mr Tao Wang Zhejiang University, Hangzhou, China
13.00 - 14.00	Lunch Break	
14.00 - 15.15	5. Climate Change Roundtable discussion on common priorities and next joint steps	<p><u>Moderator:</u> Mr Ralf König FFG, Austria</p> <ul style="list-style-type: none"> • Ms Ichin Cheng Sustainable Innovation Lab, UK/Asia • Mr Maurice Héral ANR, France • Mr Manfred Horvat Vienna University of Technology, Austria • Ms Dai Le China Science and Technology Exchange Center, China • Mr Daoliang Li China Agricultural University, CAU, China • Mr Tao Wang Zhejiang University, Hangzhou, China
15.15 - 15.45	Coffee/Tea Break	
15.45 - 16.00	6. Closing session	<p><u>Moderator:</u> Ms Elli Tzatzanis-Stepanovic FFG, Austria</p> <ul style="list-style-type: none"> • Mr Laurent Bochereau Science, Technology and Environment Section, Delegation of the EU to China • Mr Epaminondas Christofilopoulos PRAXI/FORTH, Greece
16.00 - 17.00	7. Networking	<ul style="list-style-type: none"> • Bilateral meetings

Topics for discussion:

The future of Climate Change. Grand challenges for China and Europe.

- Joint conclusions from two Foresight Studies and analysis of similar trends and possible Sino-European solutions to joint grand challenges, (based on outcomes of the 'Strategic Foresight', a foresight study by the European Commission, and 'China by 2025', a DRAGON-STAR Plus foresight study)

European Joint Programming Initiatives and their internationalisation endeavours. Chinese future STI programmes.

- Aligning interests between European JPIs and Chinese policymakers
- Promoting the dialogue towards matching European JPIs and Chinese national and regional STI programmes, funding strategies and priorities

How to mitigate Climate Change. Sino-European STI collaboration perspectives. Renewable energy and circular economy as central links.

- Discussions among Chinese and European scientists and experts on challenges, joint solutions and common priorities in Climate Change, including renewable energy and circular economy (within Horizon 2020 and beyond)

Organisers:

- **Ms Elli B. Tzatzanis-Stepanovic (elli.stepanovic@ffg.at)**
DRAGON-STAR Plus Work Package leader, Austrian Research Promotion Agency (FFG), Vienna, Austria
- **Mr Daoliang Li (dliangl@cau.edu.cn)**
DRAGON-STAR Plus Task leader, Agricultural University China (CAU), Beijing, China
- **Mr Epaminondas Christofilopoulos (epaminondas@help-forward.gr)**
DRAGON-STAR Plus Project Coordinator, PRAXI Network – Foundation for Research and Technology Hellas (FORTH), Thessaloniki, Greece

DRAGON-STAR Plus (2015-2018) follows its predecessor DRAGON-STAR in its important mandate to provide support services to European and Chinese researchers and policy-makers, and to offer a flexible platform to facilitate policy discussions between European and Chinese stakeholders. The project has received funding under European Commission's Horizon 2020 Research and Innovation Programme.

<http://www.dragon-star.eu/event/dragon-star-plus-climate-change-roundtable-15-may-2017-hangzhou/>

Registration: https://www2.ffg.at/anmeldungen/climate_change_roundtable

Host:

Zhejiang University in Hangzhou is a prestigious institution of higher education with a long history. Research at Zhejiang University spans 12 academic disciplines, covering philosophy, economics, law, education, literature, history, art, science, engineering, agriculture, medicine, management and etc. Zhejiang University focuses on assiduous study and research, and science and technological innovation. In line with the university motto “Seeking truth and pursuing innovation”, ZJU is committed to promoting national prosperity, social progress and human development through innovation and dissemination of knowledge. It has turned out many scientific, cultural, industrial and administrative leaders. The 2016 Times Higher Education World Reputation ranking puts ZJU among world’s top 100 universities, marking the 120-year anniversary of the university this year.

http://www.zju.edu.cn/english/redir.php?catalog_id=235

Contact:

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Hotel suggestion:

Zijingang International Hotel

<http://hangzhouzijinganghotel.com/>



Objectives:

The proposed **DRAGON-STAR Plus 'Climate Change Expert Workshop'** shall support the **EU-China Joint Statement on Climate Change** (June 2015) based on the importance of accelerating the implementation of climate actions until 2020 and the agreement, among others, to

- enhance policy dialogue and practical cooperation on the transformation to a resource efficient, green, low-carbon and climate resilient economy and society
- improve collaboration on climate-related scientific research and cooperation on technology innovation, including the development and deployment of low-carbon technologies, and adaptation solutions
- explore opportunities to work together on low carbon and climate resilient capacity building and investments

Outline of individual sessions:

After the **1. Welcoming and Opening session** the **DRAGON-STAR Plus 'Climate Change Expert Workshop'** will be introduced with:

Session 2. The future of EU-China STI collaboration in climate research is based on a foresight study on China's innovation trajectory toward 2030 made by DRAGON-STAR Plus.

Main findings of the foresight study 'Strategic foresight: Towards the third strategic programme of Horizon 2020' (by the European Commission's Directorate-General for Research and Innovation, 2015) focusing on Climate Change, its key drivers of change and implications for Horizon 2020 shall also be highlighted. The session will be complemented by results of foresight studies for China including energy and emission scenarios, assessment on energy and fuel tax, and research on China's potential to achieve its energy targets.

This session shall make it possible to draw joint conclusions, analyse similar trends and possible joint Sino-European solutions to joint grand challenges, short-term, within the framework of Horizon2020, and long-term.

Session 3. Promoting the dialogue between European JPIs and Chinese STI Programmes shall bring closer four European JPIs (Joint Programming initiatives) active in climate change issues, i.e. **JPI Water, JPI Agriculture, Food Security and Climate Change, JPI OCEAN and JPI Climate**, to Chinese program owners, funding agencies and policy makers.

This session shall increase mutual understanding with respect to possible cooperative actions, potential alignment of STI programmes and joint funding and climate change research priorities.

Session 4. Sino-European STI collaboration perspectives shall bring together researcher and experts in climate change from China and Europe and open the discussion on global challenges and the need for common STI actions.

This session shall discuss recent climate change issues, including, among others, renewable energy and circular economy, and identify possible joint solutions.

Session 5. Climate Change Roundtable on common priorities and next joint steps shall bring together participants from sessions 3. and session 4. in order to discuss among policymakers and research experts the concrete next steps of jointly tackling implications of climate change.

This session shall combine ideas and opinions from policy-makers as well as from experts in order to find common priorities and visions. Goal is that required framework conditions, STI programmes and funding strategies to enforce Sino-European STI collaboration in climate change shall be looked at from different angles.

During the **6. Closing session** main findings of the 'Climate Change Expert Workshop' shall be highlighted.

Suggested discussion topics:

Sino-European STI cooperation in Climate Change

- How can China and the EU find mutual understanding and joint ways for reacting to global CO2 emission trends? Which can be future joint research areas?
- How will environmental problems affect the research environment in China by 2025? Which new environmental technologies and joint innovation solutions will be needed?

Climate change as threat multiplier

- Which implications of Climate change can jointly be tackled? (water resources, food/nutrition insecurity migration?)
- Renewable energy as central reaction to mitigate climate change? (renewable energy may push innovation in new areas, such as waste management and recycling, and de-pollution of the environment; the decentralisation of energy production and supply through technology and infrastructure allow a significant move to renewable energy)
- Climate change and its impact on infrastructure systems! Which can be joint solutions? (disaster risk warning systems, the introduction of higher engineering standards for new infrastructure and the requirement for comprehensive climate risk assessments)

Expected Outcome:

- **The 'Climate Change Expert Workshop'** policy recommendations for future Sino-European STI collaboration shall outline the shared understanding for future trends and possible joint solutions implications of climate change.
- **The 'Climate Change Expert Workshop'** research discussion outcomes about formation of joint research projects in H2020 and scientific advice to policymakers based on researchers' views