DRAGON-STAR Plus ´Climate Change Expert Workshop´

Biographies:

Mr Jianxin Liu, Vice dean of Faculty of Agriculture, Life and Environment sciences (FALE), Zhejiang University, Hangzhou, China

Prof. Jianxin Liu is vice dean of Faculty of Agriculture, Life and Environment sciences(FALE), Zhejiang University, leader of institute of dairy science and director of National Engineering Laboratory for Feed Safety and Pollution Control. His research mainly focused on dairy nutrition and Feeding, especially in protein (amino acids) requirements, feed additives, protection of critical nutrients from rumen degradation by encapsulation techniques, and dietary effects on health of dairy cows and environmental friendly feeding strategies. Attention is paid to efficient use of feed resources available locally, and reduction of excretion of N and P into the environment to promote the sustainable dairy feeding system in China.

Mr Laurent Bochereau, Delegation of the European Union in Beijing, China

Since September 2014, Laurent Bochereau is responsible for the "Science, Technology and Environment" Section at the Delegation of the European Union in Beijing. He gained a Laureate from the Ecole Polytechnique and ENGREF in Paris, a Master's degree from the University of California and a PhD from the University of Paris VI. After spending several years working as a research project leader at IRSTEA, he served two years in the French Ministry for Research. He joined the European Commission in 1995 where he worked several years as Assistant to the Director for Life Sciences and then Head of Unit with responsibilities for agriculture, forestry, agro-industry and food safety research. From 2007 to 2010, he was the Head of the "Science, Technology and Education" Section at the Delegation of the European Union in Washington DC. From 2010 to 2014, he was Head of the "International Cooperation Policy" Unit within the European Commission's Research and Innovation Directorate General with responsibilities for developing the EU international strategy for international cooperation in research and innovation and the international dimension of the Horizon 2020 programme.

Mr Epaminondas Christofilopoulos, DRAGON-STAR Plus coordinator, Head of International Cooperation in PRAXI Network, FORTH, Greece

Having a background in Physics, Environmental Studies and International Relations, Epaminondas has initially worked in the field of environment, while after moving to the PRAXI Network of the Foundation for Research and Technology, he has worked on the fields of technology transfer and research commercialization. Since 2004, he specifically focuses on international research cooperation, coordinating several projects around the globe (Eastern Europe, Caucasus, Central and East Asia, the Gulf peninsula, Central America) and delivering seminars in Europe and Overseas. Since 2010, Epaminondas is a founding member of the Greek Node of the UN Millennium Project, a worldwide network coordinating futures research and foresight studies.

Mr Tomas Larsson, Director of ChinaLab at Kairos Future, Shanghai, China

Tomas Larsson is the Director of ChinaLab at Kairos Future. He has directed several studies on China's innovation landscape, social change, consumer trends, and regional growth pattern. Tomas also specializes in quantitative methods for the analysis of large amounts of social data and has been responsible for the development of tools to extract consumer insight from social media. Tomas holds a M.Sc. in Nanoengineering and a M.A. in Asian Studies with a focus on China, a country where he studied and worked for four years

Mr Maurice Héral, Head of Environment, Ecology and Biological Resources Department, Agence Nationale de la Recherche (ANR), France

Chair of the Joint Programming Initiative (JPI) WATER, Vice-Chair of the Governing Board of JPI Agriculture, Food Security and Climate Change (FACCE), Member of the governing board of JPI OCEAN and JPI CLIMATE

Maurice Héral is Department Officer in ANR (French National Research Agency) in charge of Environment and Biological Resources since 2011 for national calls on biodiversity, agriculture, forestry, aquaculture and fisheries and impact of global changes. Water management, Eco-technology, and food processing are developed in partnership with private industry. He is very active to produce calls at the European level in the ERANETs representing French Research and Innovation Ministry through ANR on biodiversity, marine research, and sustainable agriculture in Marinera (Coordinator), Marifish, Biodiversa, Seas-Era, COFASP, SURPLUS, SUSAN, ERAGAZ. He actively participates in the JPI OCEANS as member of the Governing Board, he is chair of the JPI WATER and vice-chair of the Governing Board of JPI FACCE.

Mr Manfred Horvat, Vienna University of Technology, Austria
Member of the Advisory Board of the Joint Programming Initiative (JPI) URBAN EUROPE

Manfred Horvat is independent expert and honorary professor at Vienna University of Technology, Vienna, Austria. He is expert for national, European and international research and technology policies and programmes, responsible for the assessment and evaluation of research and technology programmes and institutions.

He is adjunct professor at the Norwegian University of Science and Technology (NTNU), at the Department of Architecture and Planning, Trondheim, Norway. His main activities and responsibilities are Chairman of the Management Board of the Horizon 2020 URBAN-EU-CHINA Innovation Platform on Sustainable Urbanisation. He is responsible for analyses of Chinese and EU policy framework and developing strategies for EU-China research and innovation cooperation in sustainable urbanisation. He is Vice-Chairman of the Advisory Board.

Mr Berry J. Bonenkamp, Senior Policy Officer, Netherlands Organisation for Scientific Research (NWO), The Netherlands

Since 2011, Berry Bonenkamp is Coordinator of the China and India cooperation at NWO, the national research council of The Netherlands. He coordinates the bilateral Sino-Dutch research programmes, aimed at stimulating sustainable research collaboration between Dutch and Chinese research groups by funding joint research projects, dialogue seminars and exchanges. The programmes range from exchange visits and seminars, fundamental research (science-to-science) and PhD training, to science-industry (public-private partnerships), applied and practice-oriented research. Furthermore, he is responsible for the multilateral Sino-European research cooperation.
NWO has embarked on a joint strategic policy for research collaboration with China. NWO has several Chinese partners: the National Natural Science Foundation of China (NSFC), the Chinese Academy of Sciences (CAS), the Ministry of Science and Technology of the People's Republic of China (MoST), and the Chinese Academy of Social Sciences (CASS). With the Chinese partners, NWO launches annual joint research calls, and has set up a strategic dialogue for the future Sino-Dutch research agenda.

Ms Dai Le, Project manager/Interpreter with the Division of European Affairs, China Science and Technology Exchange Center (CSTEC), Ministry of Science and Technology (MoST), China

Ms. DAI Le holds her first MA in Interpretation/Translation and Cross Cultural Studies from Xiamen University of China in 2006. Later sponsored by the Ministry of Foreign Affairs of Japan, she got her second MA in Development Economics from National Graduate Institute for Policy Studies, Japan in 2011. She joined MoST in 2006 as an in-house interpreter, then a project officer and manager with the Division of European Affairs, CSTEC, MoST. Over years, she has developed expertise in China-EU STI cooperation in terms of ever managing dozens of European FP/Horizon 2020 Projects since 2008, engaging in China-EU STI policy making, organizing for MoST bilateral/multilateral diplomatic events, and developing papers/reports entrusted by MoST on China-EU/EU member states STI cooperation . Currently she also works as a member of China-EU STI task force.

Ms Ichin Cheng, Director and Co-Founder of the Sustainable Innovation Lab, UK/Asia

Ichin Cheng is director and co-founder of Sustainable Innovation Lab. Over 25 years of international professional experience in the field of Environment related to Green Business Issues, climate change, policy response to mitigation and adaption, city climate change action plan development, low carbon city, Low carbon economy and green technology, sustainable materials and products. She is advisory board expert of EC Horizon 2020 of International Cooperation (2014-2016) and' industrial Leadership in Enabling and Industrial Technologies, Nanotechnologies, Biotechnology, Advanced Materials and Advanced Manufacturing and Processing' (LEIT-NMBP). She is also innovation expert for EU flagship public private partnership program- CLIMATEKIC, advisory board member of US based OMEGAL global and involved US/ China low carbon cities initiative.

Mr Lin Gao, Institute of Engineering Thermophysics, Chinese Academy of Sciences (CAS), China

In 1997, Professor Lin Gao got his bachelor degree in the field of Thermal Power Engineering of Power Plant. And at the same year, he entered the Institute of Engineering Thermophysics, Chinese Academy of Sciences. Under the supervision of Professor Hongguang Jin, he got his doctor's degree in 2005, whose doctor thesis is the innovation of coal-based polygeneration system. He clarified the basic principle for integration of polygeneration system, which is systematically illuminated as "cascade conversion of material according to composition", "cascade utilization of energy according to energy level" and "integration of clean fuel production and pollutants control". Accordingly, a novel coal based polygeneration system combining the power generation and liquid fuel (methanol) production in sequential configuration, especially adopting the partial-recycle methanol synthesis scheme without CO/H2 adjustment process, is proposed, whose primary energy saving can reach 15%. And then, the polygeneration system with post-synthesis CO2 captured is integrated, which can recover the 70% of CO2 with nearly zero penalty. More than 50 scientific papers had been published in the last 5 years.

His major interests focus on the innovation of environmental friendly energy systems such as polygeneration system with CO2 capture, new coal gasification technologies, the renewable energy system, and so on; comparisons and analyses of economic character and adaptability of different CCS technologies; and energy and environmental strategy of China.

To the present, he had been involved in several international cooperation projects as team leader or work package leader, including Cooperation Action within CCS China-EU (COACH), Support to regulatory activities for CO2 capture and storage (STRACO2), and Near Zero Emissions Coal Initiative (NZEC), Supported by Defra, UK. As the CO2 capture technology expert, he was involved in several TA projects of ADB, in which he had made great efforts to propose the CCS roadmap of China.

Ms Hui Hong, Institute of Engineering Thermophysics, Chinese Academy of Sciences (CAS), China

In 2004, Professor Hui Hong got her doctor degree in the field of Engineering Thermophysics in Chinese Academy of Sciences. She mainly works on the solar thermal fuel process for CO2 mitigation. She proposed the solar-driven methane-fuelled chemical-looping combustion where the concentrating solar thermal energy is converted into solid fuel and the CO2 from the methane fuel oxidized is captured with near-zero energy penalty. She also investigated oxygen materials and the design of the chemical-looping combustion reactor. In addition, she creatively proposed and investigated mid-temperature solar energy-driving methanol decomposition for solar electricity or hydrogen production. And this effort was successively applied in the cooling, heating and power technology which was originally developed a 100kW solar thermochemical CCHP system bench by her group. Furthermore, she revealed mechanism of energy-level upgrading of such mid-temperature solar thermochemical process.
In her research periods, she gained Best Paper Award for International Green Energy Conference, 2007, Sweden, Young Scientists Award for Efficiency, Cost, Optimization, Simulation, and Environmental Impact of Energy Systems, ECOS 2007 International Conference, Italy. Nearly 70 scientific papers had been published.

To the present, she had been involved in several national and international cooperation projects as a project leader or work package leader. Including National High Technology Research and

Development Program 863 of China for solar hydrogen production, Grant Project of National Nature Science Foundation of China for utilization of full spectrum of sunlight in solar electricity, National Cooperation Action within CCS China- EU (COACH), and Near Zero Emissions Coal Initiative (NZEC), Supported by Defra, UK.

Mr Weixiang Wu, Director of Institute of Environment Pollution Control and Treatment, Zhejiang University, Hangzhou, China

Dr. Wu Weixiang is the Director of Institute of Environment Pollution Control and Treatment, Zhejiang University, China. His research mainly focused on the potential role of biochar in mitigating climate change, specifically on the environment behaviour and effect of biochar in soil ecosystem. Dr. Wu hosted the first international academic seminar on the environment behaviour and effect of biochar in China in 2010. Dr. Wu's recent studies include carbon sequestration and greenhouse gases mitigation in paddy ecosystem, environment effect of biochar in paddy ecosystem under climate change condition, and organic waste utilization.

Mr Tao Wang, Associate Professor, Zhejiang University, Hangzhou, China

Dr. Tao Wang received his PhD in Engineering Thermophysics in 2008 from Zhejiang University (China). He is active in the research area of CCUS, including CO2 capture from concentrated source and the direct CO2 capture from air. He is serving as the site director to the Air Capture Technology Consortium. He was invited to attend the Low-carbon technology roundtable meeting organized by Sustainable Development Solutions Network (SDSN) (2014, at UN). He is currently involved in international collaborations including China-Australia JCG funding, EU “CO2 Trip” project and US-China NSF project. He is now an Associate Professor at Zhejiang University (China).

Mr Daoliang Li, Director of EU-China Center for ICT in Agriculture and Beijing Engineering Research center for Internet of things in Agriculture, China Agricultural University, China

Prof. Dr. Daoliang Li is Cheung Kong Scholar Professor, Ministry of Education, and director of EU-China Center for ICT in Agriculture and Beijing Engineering Research center for Internet of things in Agriculture, China Agricultural University. His principal research interest is ICTs in aquaculture and agriculture, especially for information processing, smart sensors and automatic control system. He is the editor-in-chief of International Journal of Information processing in Agriculture and the Chair of the Work Group for Advanced Information Processing in Agriculture, International Federation for Information Processing. He also is member of Expert Committee of National rural informatisation of China. He was the chairman of 1st to 9th International conference on computer and computing technologies in agriculture (www.iccta.cn). He coordinated more than 70 international and national research projects, such as FP6, FP7, Horizon2020 and has published more than 200 international journals papers and 8 books, he also has 31 Chinese patents, and he is also the evaluation expert of FP7, Horizon2020 and all Chinese National research programmes.