



全球变化与地球系统科学研究院

2015 年度学术交流会

GCESS 2015 Annual Workshop

会议议程

AGENDA

02 December 2015, Beijing



AGENDA 会议日程

2015年12月2日, 星期三, 上午 AM: Wednesday, 2nd December, 2015

地点: 京师科技大厦 B 座 520 会议室 Venue: Room 520, Building B, Jingshi S&T Building

08:30-08:40 开幕式 Opening Ceremony

主持人: 王开存 教授, 全球变化与地球系统科学研究院副院长

Chair: Prof. Kaicun Wang, Vice Dean of GCESS

徐冠华 院士, 科学指导委员会主任 致辞

Welcome Speech, Academician Guanhua Xu, Chair of GCESS SSC

巢纪平 院士, 科学指导委员会副主任

Welcome Speech, Academician Jiping Chao, Vice Chair of GCESS SSC

程 晓 教授, 全球变化与地球系统科学研究院党总支书记

Welcome Speech, Prof. Xiao Cheng, Chair of the GCESS General Party Branch

08:40-12:05 学术报告 Academic Report (按姓氏笔画排序 Names are in Alphabetical Order)

主持人: 陈晋 教授 **Chair:** Prof. Jin Chen

08:40-08:55 John Moore 教授 Prof. John Moore

大西洋飓风对地球工程的响应 Atlantic hurricanes under geoengineering

08:55-09:10 王开存 教授 Prof. Kaicun Wang

增温区域差异性与温度计算方法

Bias of current global mean surface temperature datasets in regional climate change studies

09:10-09:25 王兰宁 教授 Prof. Lanning Wang

CESM 当中次网格地形拖曳力方案的敏感性试验

Sensitivity test of parameterizations of subgrid-scale orographic form drag in the NCAR CESM

09:25-09:40 王秀君 教授 Prof. Xiujun Wang

热带海洋区域碳循环模式的建立、验证与分析

Carbon cycle in the tropical oceans: model development, validation and analyses

09:40-09:55 李占清 教授 Prof. Zhanqing Li

Impact of aerosol on cloud, precipitation and climate forcing

09:55-10:10 李建平 教授 Prof. Jianping Li

气候动力学的一些新进展 Some new progress in climate dynamics

10:10-10:20 茶歇 Coffee Break

10:20-12:05 学术报告 Academic Report

主持人: 赵传峰 教授 **Chair:** Prof. Chuanfeng Zhao

10:20-10:35 张之华 教授 Prof. Zhihua Zhang

地球工程研究进展 Research progresses in geoengineering

10:35-10:50 张 晶 教授 Prof. Jing Zhang

气溶胶对陆地生态系统生产力的初探

A pilot study on the effects of aerosols on terrestrial ecosystem productivity

10:50-11:05 陈 晋 教授 Prof. Jin Chen

植被物候遥感及其应用 Detection of vegetation phenology change by RS and its applications.

11:05-11:20 段青云 教授 Prof. Qingyun Duan

适合于大复杂动力系统模型的不确定性量化交互界面 UQ-PyL

UQ-PyL-A GUI platform for uncertainty quantification of large complex dynamical models



Agenda for GCESS Annual Workshop

- 11:20-11:35 徐冰教授 Prof. Bing Xu
环境变化、病原体进化和传染病传播模型
Environmental change, pathogen evolution, and infectious disease transmission modeling
- 11:35-11:50 程晓教授 Prof. Xiao Cheng
极地遥感 Remote sensing of polar regions
- 11:50-12:05 赵传峰教授 Prof. Chuanfeng Zhao
云特征及云-气溶胶-辐射相互作用的研究 Studies about cloud properties and cloud-aerosol-radiation
- 12:05-13:30 海报时间与午餐**
Poster Time and Lunch

2015年12月2日, 星期三, 下午 PM: Wednesday, 2nd December, 2015

地点: 京师科技大厦 B 座 520 会议室 Venue: Room 520, Building B, Jingshi S&T Building

- 13:30-17:30 学术报告 Academic Report** (按姓氏笔画排序 Names are in Alphabetical Order)
主持人: 王开存教授 Chair: Prof. Kaicun Wang
- 13:30-13:40 张芳副教授 Associate Prof. Fang Zhang
中国华北区域气溶胶吸湿活化特性观测研究
Aerosol hygroscopicity and CCN activity observation in north China
- 13:40-13:50 上官微副教授 Associate Prof. Wei Shangguan
全球岩石深度的空间估计 Spatial prediction of global depth to rock
- 13:50-14:00 叶爱中副教授 Associate Prof. Aizhong Ye
集成天气预报与气候预报的水文集合预报——以雅砻江流域为例
Integrating weather and climate predictions for seamless hydrologic ensemble forecasting: A case study in the Yalong River basin
- 14:00-14:10 冯娟副教授 Associate Prof. Juan Feng
海温经向梯度对春季 Hadley 环流的影响
The role of meridional sea surface temperature gradient on the boreal spring Hadley circulation
- 14:10-14:20 刘强副教授 Associate Prof. Qiang Liu
地球表面反照率的多尺度观测
Multi-scale observation on the albedo of Earth's surface
- 14:20-14:30 纪多颖副教授 Associate Prof. Duoying Ji
BNU-ESM 发展状况及参加 CMIP6 的准备工作 Status of BNU-ESM and preparation for CMIP6
- 14:30-14:40 李香兰副教授 Associate Prof. Xianglan Li
典型生态系统温室气体排放量估算与碳循环
Estimation of greenhouse gases emissions and carbon cycling in typical ecosystems
- 14:40-14:50 吴晓旭副教授 Associate Prof. Xiaoxu Wu
基于数值模拟的沙障结构参数优化研究
Determination of optimal structural parameters for wind barriers using numerical simulation
- 14:50-15:00 茶歇 Coffee Break**
- 15:00-17:22 学术报告 Academic Report**
主持人: 缪驰远副教授 Chair: Associate Prof. Chiyuan Miao
- 15:00-15:10 何斌副教授 Associate Prof. Bin He
干旱通过影响半干旱生态系统影响全球陆地生态系统 NPP 的年内变化
Drought dominates the inter-annual variability of global NPP by controlling semi-arid ecosystems



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- 15:10-15:20 董国英 副教授 Associate Prof. Guoying Dong
1902-2013 年金刚烷胺耐药的世界 A 型流感病毒: M2 基因突变的频率和分布
Adamantane-resistant influenza A viruses in the world (1902–2013): Frequency and distribution of M2 gene mutations
- 15:20-15:30 谢 飞 副教授 Associate Prof. Fei Xie
平流层水汽与太阳周期 Stratospheric water vapor and solar cycle
- 15:30-15:40 缪驰远 副教授 Associate Prof. Chiyuan Miao
利用遥感卫星降水数据集 PERSIANN-CDR 评估中国极端降水事件
Evaluation of the PERSIANN-CDR daily rainfall estimates in capturing the behavior of extreme precipitation events over China
- 15:40-15:50 王彦敏 讲师 Lecturer Yanmin Wang
应对气候变化背景下的“互联网+”技术与模式创新及政策研究: 以汽车产业为例
Research on innovations of the technology, Model and policy of "Internet +" to response to climate change : the case of China's auto industry
- 15:50-16:00 孙 诚 讲师 Lecturer Cheng Sun
北大西洋多年代际海气耦合模态及其气候影响
A multidecadal air-sea coupled mode in North Atlantic and its climate impacts
- 16:00-16:10 杨 韵 讲师 Lecturer Yun Yang
印度洋偶极子的季节性和可预测性: ENSO 强迫和内部变率
Seasonality and predictability of the Indian ocean dipole: ENSO forcing and internal variability
- 16:10-16:20 吴其重 讲师 Lecturer Qizhong Wu
北京未来空气质量预估 The air quality in Beijing in the future
- 16:20-16:30 陈子悦 讲师 Lecturer Ziyue Chen
激光雷达数据在城市景观建模中的应用
Establishing and applying 3D urban landscape models using airborne Lidar data
- 16:30-16:38 孔冬贤 2013 级硕士 Student Dongxian Kong
利用黄河下游河道冲刷维持河口三角洲的可行性分析
Feasibility analysis of delta maintenance through channel scouring in the lower Yellow River
- 16:38-17:46 孙巧红 2015 级博士 Student Qiaohong Sun
黄土高原温度与降水的联合变化分析
Joint analysis of changes in temperature and precipitation on the Loess Plateau during the period 1961 – 2011
- 17:46-17:54 陈爱芳 2013 级硕士 Student Aifang Chen
基于人类占用净初级生产力指数 (HANPP) 的中国陆地生态系统可持续性评估
Quantitative assessment of terrestrial ecosystem sustainability in China based on the human appropriation of net primary production (HANPP)
- 17:54-17:02 周春略 2013 级博士 Student Chunle Zhou
感潜热通量与温度变化研究总结 Research on Latent/Sensible Heat Fluxes and Temperature Change
- 17:02-17:10 缪丽娟 2013 级博士 Student Lijuan Miao
气候变化对蒙古高原植被和畜牧业影响-中国内蒙古与蒙古国的比较研究
Impact of climate on vegetation dynamics and animal husbandry a comparative study between Inner Mongolia and Republic of Mongolia
- 17:30 晚宴 Banquet 兰蕙餐厅 Lanhui Restaurant**



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海报列表	
刘 岩 副教授 Associate Prof. Yan Liu	南极冰架的物质平衡 Mass balance of Antarctic ice shelves
李秀红 副教授 Associate Prof. Xiuhong Li	无线传感网传感网在南极和农业的应用 The application of wireless sensor network in the Antarctic and agriculture
杨 赤 副教授 Associate Prof. Chi Yang	气候极值的贝叶斯统计模型 Bayesian Geoadditive Modeling of Climate Extremes with Non-parametric Spatially Varying Temporal Effects
陈卓奇 讲师 Lecturer Zhuoqi Chen	30 米格陵兰遥感制图 A 30-m image mosaic of Greenland based on Landsat8
程华琼 讲师 Lecturer Huaqiong	BNU-ESM 对洋面潜热通量的模拟 An Analysis of Simulated Latent heat flux over global ocean with the BNU-ESM Model
狄振华 讲师 Lecturer Zhenhua Di	WRF 模型参数的不确定性量化研究 Uncertainty quantification on WRF model parameters for precipitation
范天一 讲师 Lecturer Tianyi Fan	气溶胶模拟误差是否对 AMIP 模式中云量模拟偏差有所贡献? Do aerosol simulation errors contribute to model biases of cloud fraction in AMIP
龚 伟 讲师 Lecturer Wei Gong	陆面过程模式 CoLM 的多目标参数优化方法研究 Multi-objective parameter optimization methods for land surface models: a case study of CoLM
李耀铤 讲师 Lecturer Yaokun Li	三维行星边界层运动的解析理论及其应用 An analytic theory for three planetary boundary layer motion and its application
马 倩 讲师 Lecturer Qian Ma	基于 CMIP5 的太阳短波辐射评估工作 Evaluations of Surface Incident solar radiation from CMIP5 models
石春明 讲师 Lecturer Chunming Shi	青藏高原东南部地区近 220 年来的温度趋势和变异性 Unprecedented recent warming rate and temperature variability over the southeast Tibetan Plateau inferred from Alpine treeline dendrochronology
吴国灿 讲师 Lecturer Guocan Wu	基于改进 ETKF 方法和水分平衡的土壤湿度同化研究 Soil moisture assimilation using a modified ETKF with water balance constraint
袁 华 讲师 Lecturer Hua Yuan	陆面模式植被覆盖区域的三维表征及其能量平衡的计算 Three Dimensional Representation of Canopy Covered Area and Its Energy Balance
杨 新 讲师 Lecturer Xin Yang	气溶胶类型对中国雷暴活动的影响 Potential Impact of Aerosol Types on the Weekly Cycles of Thunderstorms in China
张 倩 讲师 Lecturer Qian Yang	营养元素的限制将降低土地利用对陆地碳循环的影响 Nutrient limitation reduces the effects of land use change on land carbon uptake or
张树鹏 讲师 Lecturer Shupeng Zhang	一个基于多生态系统模式和局部化集合卡尔曼滤波的全球碳同化系统 Global Carbon Assimilation System using a Local Ensemble Kalman Filter with Multiple
赵励耘 讲师 Lecturer Liyuan Zhao	亚洲高山区冰川在 2000-2050 年间对海平面升高的贡献 The High Mountain Asia glacier contribution to sea-level rise from 2000 to 2050
田怀玉 讲师 Lecturer Huaiyu Zhang	亚洲 H5N1 禽流感与候鸟迁徙网络 Avian influenza H5N1 viral and bird migration networks in Asia
孙赛男 博士后 Postdoctor Sainan Sun	海洋升温对南极 Aurora 流域冰盖演化的影响 Impact of ocean warming on Aurora basin
邢 楠 博士后 Postdoctor Nan Xing	双极型热源对热带大气的影响及理论机制 The impact and theoretical mechanism of bipolar heating on tropical atmospheric



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李治君 2013 硕士 Student Zhijun Li	全球真实陆表平均温度建模 Modeling the True Monthly Mean Temperature from the Continuous Measurements over Global Land
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