



Nagoya University



## International Workshop on “Impact of Asian Megacity Development on Local to Global Climate Change”

(2<sup>nd</sup> MOST-JST Project Meeting)

21-22 Dec. 2011, Genway International Hotel, Suzhou, China

21 Dec, 2011 (Wed.)

**DAY 1- morning**

08:30-08:45    **Registration**  
08:45-09:00    **Opening (Chair: )**  
Welcome addresses

09:00-10:30    **Invited Talks (Chair: Congbin FU)**

*30 minutes each talk*

09:00-09:30    **Xizheng PENG (Fudan University):**

09:30-10:00    **Dui WU (Institute of Tropical and Marine Meteorology/CAS):**

10:00-10:30    **Haidong KAN (Fudan University):** Air pollution, climate change and population health in China

10:30-10:50    **Tea break(group photo)**

10:50-12:10    **Session I: Urban land cover change and climate (Chair: Jun MATSUMOTO)**

*20 minutes each talk*

10:50-11:10    **T. YASUNARI (Nagoya University):** Recent change of Asian summer monsoon onset and its possible relation to anthropogenic forcings

11:10-11:30    **Xiuqun YANG (Nanjing University):**

11:30-11:50    **Shaw LIU (Research Center for Environmental Changes/Taipei):** Climate feedback of water vapor and lapse rate in the upper troposphere

11:50-12:10    **Jun MATSUMOTO (Tokyo Metrop. Univ.):** Was there any effect from urbanization on the long-term changes of heavy rainfall in Japan?

**12:30-13:30 Lunch**

**DAY 1- afternoon**

**13:30-15:30 Continue Session I: (Chair: H. KANZAWA)**

*20 minutes each talk*

13:30-13:50 **Jie SONG (Northern Illinois University):** Sensitivity of the east Asian summer monsoon precipitation to large-scale urban expansion in east Asia

13:50-14:10 **Y. MAEJIMA (Nagoya University):** The coupling to general circulation model "AFES" of Cloud Resolving Model "CRSS"

14:10-14:30 **Wenze YUE (Zhejiang University):** China's urbanization and its sustainability under future climate change

14:30-14:50 **Jiangqing XU (JAMSTEC/Japan):** Estimation and verification of daily surface shortwave flux at urban and rural meteorological observatories over China

14:50-15:10 **Weidong GUO (Nanjing University):**

15:10-15:30 **Zhihong JIANG (NUIST):** Estimation of surface air temperature from MODIS land surface temperature and its application to the study of urban heat island over Yangtze River Delta

**15:30-15:50 Tea break**

**15:50-18:10 Session II Urban aerosol and climate (Chair: Guangyu SHI)**

*20 minutes each talk*

15:50-16:10 **H. KANZAWA (Nagoya University):** An analysis of latitudinal distributions of poleward energy transport by the atmosphere and its change using a 32-year reanalysis dataset

16:10-16:30 **Min SHAO (Peking University):**

16:30-16:50 **M. TAKIGAWA (JAMSTEC/Japan):** Dependence of photochemistry on horizontal resolution around Tokyo

16:50-17:10 **Tijian WANG (Nanjing University):** Numerical modeling on three typical air pollution cases in Yangtze River Delta Region

17:10-17:30 **Renjian ZHANG (IAP/CAS):** Chemical compositions of PM<sub>2.5</sub> and their impact on atmospheric extinction coefficients in Beijing in winter

17:30-17:50 **Aijun DING (Nanjing University):**

17:50-18:10 **Xiaofeng HUANG (Peking University):** Overview of submicron aerosol characterization in East China based on high-resolution aerosol mass spectrometry

**18:30 - 20:30 Reception (precise time and location will be announced during the meeting)**

**22 Dec, 2011 (Thu.)**

**DAY 2- morning**

**09:00-11:00**      **Session III: Urban Planning (Chair: T YASUNARI)**

*20 minutes each talk*

09:00-09:20      **Renjie CHEN (Fudan University):** Environmental triggers of out-of-hospital coronary heart deaths in Shanghai".

09:20-09:40      **Xiaofeng YI (Guangzhou Urban Planning & Design Survey Institute):**

09:40-10:00      **T. ICHINOSE (NIES/Japan):** Chinese Cities are Experimental Bases of the Advanced Environment Friendly Urban Design

10:00-10:20      **Hsiao-ming HSU (NCAR/NESL/CGD):**The sensitivity of 2010 Beijing heatwave: numerical simulations

10:20-11:00      **Ye LIN (NIES/Japan):** Impacts of shading effect from nearby buildings on heating and cooling energy consumption in hot summer and cold winter zone of China

**11:00-11:20**      **Tea break**

11:20-12:20      Discussion of future activity

**12:30-13:30**      **Lunch**

**DAY 2- afternoon**

**14:00 -18:00**      **Filed trip in Suzhou city(precise time will be announced during the meeting)**

**18:00-20:00**      **Dinner**