



Overview of Previous ISCSs:

1st ISCS

August 23-September 1, 2004, Beijing

Invited Lecturers:

Jean Jouzel, France
Robert Delmas, France
Akio Kito, Japan
In-Sik Kang, Korea
Ulrich Cubasch, Germany
Total participants: 179

2nd ISCS

July 18-29, 2005, Beijing

Invited Lecturers:

Ian Allison, Australia
R. César Izaurralde, USA
Bin Wang, USA
Michael Bender, USA
Robert Dickinson, USA
Hélène Cachier, France
Total participants: 180

3rd ISCS

July 17-28, 2006, Beijing

Invited Lecturers:

Mohan Munasinghe, Sri Lanka
Susan Solomon, USA
Filippo Giorgi, Italy
Dominique Raynaud, France
Total participants: 231

4th ISCS

July 16-27, 2007, Beijing

Invited Lecturers:

Mohan Munasinghe, Sri Lanka
Roger Gaham Barry, USA
Philip Douglas Jones, UK
Annette Christiane Rinke, Germany
Jerome Chappellaz, France
Atsumu Ohmura, Japan
Total participants: 199

5th ISCS

July 14-25 2008, Lanzhou

Invited Lecturers:

Mohan Munasinghe, Sri Lanka
Francis Zwiers, Canada
Martin Manning, New Zealand
Penny Whetton, Australia
Sungmin Hong, Korea
Total participants: 108

6th ISCS

July 20-31 2009, Beijing

Invited Lecturers:

Zbigniew W. Kundzewicz, Poland
John Church, Australia
Hassan Virji, USA
Driss Ennaayan, USA
Marco Gemmer, Germany
Total participants: 98



The Seventh International Seminar on Climate System and Climate Change (ISCS) welcomes you! 19-30 July 2010, Beijing, China



The Upcoming 7th ISCS

The Seventh International Seminar on Climate System and Climate Change (ISCS) will be held from 19 to 30 July 2010 in Beijing, China. Several international climatologists and experts on related fields will be invited as lecturers. CMA will continue the conversations and exchanges on climate change issues at this seminar, where we will have more participants from other developing countries.

Your participation and contributions to the seminar is warmly welcomed!

Contact Point of ISCS 2010 is: Dr. LUO Yong

Dr. YAN Yuping

Mr. SUN Yuan

Tel: +86-10-68400093

Fax: +86-10-62179859,

E-mail: sunyuan@cma.gov.cn





International Seminar on Climate System and Climate Change (ISCS)



Climate change in characteristic of global warming and extreme climate and weather events is now posing more and more serious threats on social and economic sustainable developments of human society. Climate and environmental change are complicated which include various interactions between the five spheres of the climate system (namely: atmosphere, hydrosphere, lithosphere, cryosphere and biosphere) and human activities. Therefore, a better understanding of change in the climate system must be based on research into the interactions among various spheres of the climate system, improved observations and analyses of the processes and mechanisms in the climate system, and the development of climate system models. In order to meet the rapid increase needs on knowledge of climate system and climate change, China Meteorological Administration (CMA) initiated this international seminar to foster young scientists.

Introduction

From 2004, **six** sessions of ISCS has been successfully organized by CMA. Over 900 young scientists have been trained, including those from Asian and European countries. The international seminars give young scientists an opportunity to discuss cross-cutting issues concerning climate system and climate change, and exchanging their views regarding the

sustainable development of human society.

During the seminar, the young scientists shared the latest scientific findings in the area of climate change and climate system. The understanding of hot issues of climate research is increased, including **the facts of global climate change and associated impacts, the roles of human and natural forcing in climate change, paleoclimatology, regional climate change modeling and associated prediction, as well as climate change and sustainable development.** Most of the seminar lectures are the leading authors of IPCC Assessment Report. Their lectures bring fresh air on methodologies and empirical findings of climate studies, give an opportunity to the participants to be closer to the multi-disciplined issues concerning climate and climate change over the globe. In the group discussions, participants from different institutions exchanged their knowledge and experiences, which facilitates understanding of what they have learnt and allowing them to be familiarized with the proven knowledge and experiences from other countries, especially those for climate change adaption and mitigation.

Objective:

ISCS aims at widening views of young scientists, realizing international research progress in climate and climate change, improving the climate research ability, strengthening international academic exchanges.

Sponsor:

China Meteorological Administration (CMA)

Co-Sponsors:

State Administration of Foreign Experts Affairs of China

Global Change SysTEm for Analysis, Research and Training (START)

President:

Dr. Qin Dahe
Academician of CAS,
Former Administrator of
CMA, Co-chair of IPCC
WGI



Main Themes:

- Atmospheric chemistry and climate effect of aerosol;
- Biogeochemical and carbon cycle;
- The role of cryosphere in climate system and climate change;
- Climate system models and their application in climate change studies;
- Climate change detection and climate extreme events;
- Climate change impact and assessment;
- Uncertainties in climate change;
- Climate adaption and mitigation;
- Climate change and sustainable development.

