

# **International Training Workshop for Developing Countries on Scientific Data Management and Sustainable Development**

## **Background and Objectives**

The new era of the “data deluge” has arrived. Vast volumes of scientific data are captured and generated by large scientific facilities, new sensors and instruments, interconnected networks, e-commerce, and computer models. As science, engineering, and medical research and education have become increasingly data-intensive, new scientific opportunities are emerging from new approaches to data organization, access and usage. Developing and implementing solutions to the problems of sustainable development faced by human society, such as global change, pollution, poverty, and resource shortages, depends increasingly on timely and accurate scientific data.

The mission of CODATA, the Committee on Data for Science and Technology of the International Council for Science (ICSU), is to strengthen international science for the benefit of society by promoting improved scientific and technical data management and use. Technical training on scientific data management and application is one of the most important means available to realize CODATA’s mission. The 56<sup>th</sup> CODATA Executive Committee meeting in March 2012 endorsed the proposal by CODATA-China to hold an International Training Workshop for Developing Countries on Scientific Data Management and Sustainable Development in July 2012 in Beijing.

This Workshop will offer hands-on training on state-of-the-art scientific data management methods and information technologies for research community members coming from developing countries. Through theoretical study and field practice, we will provide participants with practical information and techniques for effective and efficient scientific data management in the context of real-world sustainable development problem-solving.

## **Sponsors**

Committee on Data for Science and Technology (CODATA)  
Chinese Academy of Sciences (CAS)

## **Organizers**

CODATA Secretariat  
Chinese National Committee for CODATA  
Computer Network Information Center, Chinese Academy of Sciences  
Center for International Earth Science Information Network (CIESIN), Columbia University

## **Dates**

July 15-31, 2012

### **Venue**

Computer Network Information Center, Chinese Academy of Sciences  
Add: No.4, Nan 4th, Zhongguancun, Haidian District, Beijing, CHINA

### **Attendees**

Researchers, data managers, and data scientists from developing countries who are involved in scientific data management or in the application of scientific data in sustainable development. Participants are requested to be proficient in English.

### **Course Contents**

- Technical and Institutional Issues in Data management
- Data Management Policies
- Data Management System Expertise and Personnel
- Data Authorship
- Data Description and Documentation
- Data Submission and Acquisition
- Data Support Services
- Scientific Data Infrastructure Development
- CODATA Strategic Initiatives and Activities
- CAS E-science

### **Tentative Program (TBD)**

### **Training Expenses**

The expense of training, international travel costs, boarding and lodging during the training period in China will be borne by CAS. The applicants are requested to fill out the Application Form. We will provide training for up to 15 trainees from developing countries. After selection, we will send formal invitation letter for Chinese visa application.

*International Training Workshop for Developing Countries on Scientific*

*Data Management and Sustainable Development*

*Beijing, July 15-31, 2012*

*Application Form*

<b>Family Name:</b>	<b>Given Name:</b>
<b>Date of Birth:</b>	<b>Sex:</b>
<b>Nationality:</b>	
<b>Academic Title/Position:</b>	
<b>Area of Research/Expertise:</b>	
<b>Organization:</b>	
<b>Address:</b>	
<b>Tel:</b>	<b>Fax:</b>
<b>E-mail:</b>	
<b>Education Degree and Subject:</b>	
<b>Language Proficiency (Oral English)</b> <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor	
<b>Language Proficiency (Written English)</b> <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor	

**Please email this form and a current curriculum vita or resume by**

**May 31<sup>st</sup>, 2012**

**To : Ms. LI Chang: e-mail: lichang@cnic.cn**