

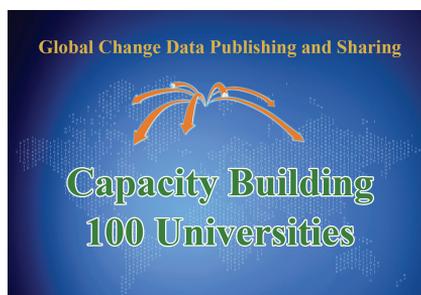
# Launch Meeting of Capacity Building in 100 Universities Program on Global Change Research Data Publishing & Sharing

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For meeting the needs of global change studies in universities, especially the global change research data publishing and sharing, the Editorial Office of Journal of Global Change Data & Discovery and the Geographical Society of China jointly initiated the capacity building in 100 universities program on Global Change Research Data Publishing & Sharing, which is co-sponsored by Institute of Geographic Science and Natural Resources Research (IGSNRR), Chinese Academy of Sciences (CAS) and Geographical Society of China (GSC). The program launch meeting was successfully held on September 13, 2017 in Beijing Normal University.

The program is separated into three phases. The first phase is the university (research institutes) series of delivering lectures by an experts group. The experts group is consisted of a number of high level scientists recognized as the outstanding scholars in the global change research data studies and led by Professor Liu, Chuang, the Principle Expert on Scientific Dissemination on Geography of the World, who was appointed by the Chinese Association for Science and Technology in 2016. The lectures are consisted of four categories; they are the global change research data strategy and policy, updated data technology and standards, best cases of the published datasets and the local content from the hosted university. The second phase is training train-



**Figure 1** Poster of capacity building in 100 universities program on Global Change Research Data Publishing & Sharing

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ers with the hands on learning in IGSNRR, CAS. The third phase is the training for the potential leaders in data management and stewards.



**Figure 2** The capacity building in 100 universities program on Global Change Research Data Publishing & Sharing was officially launched at the Faculty of Geographical Science of Beijing Normal University

After two actions, one in Institute of Geographic Sciences and Natural Resources Research of the Chinese Academy of Sciences on June 29, 2017 and one in University of Madagascar in September 7, 2017, the formal launch meeting was held in Beijing Normal University focused on Big Data Driven Geography. More than 60 teachers, graduate students from Beijing University joined the event. Professor Wu, Jianjun, Deputy Dean of the Faculty of Geographical Science of Beijing Normal University chaired the meeting. Professor Song, Changqing, Executive Dean of Faculty of Geographical Science of Beijing Normal University delivered a welcome speech. He indicated that the big data-driven geography was the most progress of the contemporary geography, and it would change the research styles, methods, as well as the innovative way for geographical discoveries. Global change research data publishing and sharing is the basic and critical issue for the geographical discoveries. Beijing Normal University was honored to host the capacity building in 100 universities launch meeting. He said that the Faculty of Geographical Science of Beijing Normal University was a new school in intergarting of geography, natural resources, environment and human activities on the earth, the integrating studies and educations on global change in the university would be great benefited from the data publishing and sharing. Professor Liu, Baoyuan, Vice President of the Geographical Society of China, indicated that the Geographical Society of China was the society to call all scholars in global change studies to pay more attention to the big data issues in geography, specifically the data sharing issues. The challenges on the intellectual property protection, the data security and privacy issues and data quality control could make us to find more knowledge and innovative solutions. The GSC was the active community in China to gathering geographers to solve these problems. Professor He, Shujin, Executive Deputy Director of the Academic Journal Center of the Institute of Geographic Sciences and Natural Resources Research of the Chinese Academy, Mr. Qin, Jiuyi, Deputy Director of Academic Exchange Center of China Association for Science and Technology and Mis. Zhu, Haiyan, Director of Department of Resources and Environment Branch, Science Press of China, delivered their speeches.



**Figure 3** Professor Liu, Baoyuan, on behalf of the Geographic Society of China, delivered his speech at the launch meeting



**Figure 4** Professor He, Shujin, on behalf of the Institute of Geographic Sciences and Natural Resources Research, CAS, congratulated the capacity building program launched



**Figure 5** Qin, Jiuyi, on behalf of Academic Exchange Center, China Association for Science and Technology, delivered his congratulations speech



**Figure 6** Ms. Zhu, Haiyan, on behalf of Science Press delivered her speech at the launch meeting

Professor Liu, Baoyuan, on behalf of the Geographical Society of China, announced that Professor Jiang, Dong, Liu, Ronggao from IGSNRR, CAS, Dr. Chen, Lijun from National Geomatic Center of China, Professor Cheng, Changxiu from Beijing Normal University were appointed to be the members of the National Chief Expert Team in geography based on



**Figure 7** Professors Jiang, Dong, Liu, Ronggao, Cheng, Changxiu and Dr. Chen, Lijun were appointed to be the members of the National Chief Expert Team in geography

their outstanding achievements in the global change research data publishing and sharing.

Four presentations were given by professors.

- 1) Professor Liu, Chuang had a presentation titled on Opportunities and Strategies for the Development of Geography in the Big Data Era. She emphasized the big data would provide opportunities for the development of geography and the researchers from Beijing Normal University may get the chance to play a significant role in the global change studies in China as well as the world.
- 2) Professor Liu, Ronggao gave a presentation titled on Overview on Analysis Technology of Geographic Big Data. He introduced the current analysis and processing technologies, including data assimilation, interpolation, cloud detection, quantitative fusion of remote sensing inversion and reduction methods.
- 3) Senior Engineer Chen, Lijun had a report on the development and sharing of GlobeLand30 data. He introduced the detail information on the GlobeLand30 data, including the data validation, accuracy and data publishing. It was of great significance to decision-making on the international and national levels.
- 4) Professor Cheng, Changxiu introduced statistics and development of data in the department of Geographical Sciences, Beijing Normal University. She had accumulated a large number of data resources over these years. She listed the products of Global Land Surface Satellite (GLASS), national soil erosion data, and global natural disaster data, and also forecasted the future of the data center.

After the presentation, a discussion on global change data publishing and sharing followed. Professor Jiang, Dong introduced the progress of preparation for the Big Data Professional Committee of the Geographical Society of China briefly. Professor Song, Changqing questioned that how the big data could play a special role to stop the impetuous academic atmosphere? (“The Changqing’s Question” for short). Professor Liu, Chuang said “The Changqing’s Question” will continue to discuss in the entire procedure of the Capacity Building in 100 Universities activities. At last Professor Wu, Jianjun made a summary of this meeting.



**Figure 8** Professor Song, Changqing called all to stop impetuous academic atmosphere by big data



**Figure 9** Professor Wu, Jianjun made summary of the launch meeting