

Professor LIN Chao - pioneer of Chinese geographers in IGU: Remembering LIN Chao in his 100th birthday

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Abstract: The Geographical Society of China (GSC) celebrated its 100th anniversary in 2009. A series of activities was held in the celebration, including the commemorating LIN Chao's 100th birthday. Professor LIN Chao (1909-1991) of Peking University was the pioneer of Chinese geographers in the International Geographical Union (IGU). The commemorating activities included the followings: (1) A conference as Chinese Geography's New Journey to the World - Remembering Professor LIN Chao's 100th Birthday was held at Peking University in October 2009; (2) Exhibition of historical archives of Chinese geographer in IGU; (3) Opening of the Jingde Hall, the Historical Museum of the Truth School in Jieyang City, Guangdong Province, which was the former residence of LIN's family; (4) LIN Chao's biographical video. The LIN Chao's biographical video was made by Jieyang TV with the help from Geographical Society of China and supported by the Jieyang Government. The Video listed a series of historical records and scenes of LIN Chao's life in geographical research and education. He was the first Ph.D. in Geography at the Liverpool University, UK in 1938, then the head of the Geography Department and Dean of School of Science in Sun Yat-sen University from 1938-1940. He was also one of the founders of Institute of Geography of China and Director of Human Geography Section in 1940. One of his remarkable contributions in Chinese geographical history was his leading role in China joining the International Geographical Union (IGU) in 1949 when he was the Director of Institute of Geography of China. Professor LIN CHAO was the founder of Comprehensive Physical Geography of China and an outstanding professor in geographical education. His unique work on Naming Mt. Qomolangma (Mt. Everest) have made tremendous contribution to geography based on the culture and history of Tibet. He, as the Editor in Chief, led the first encyclopedia of Geography of China published in 1991. The Video was archived in the Digital LIN Chao Geomuseum which was established by IGU, CODATA and GSC in 2011.

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Keywords: LIN Chao; Geographer; IGU; Mt. Qomolangma; encyclopedia of Geography of China

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Author: LIU Chuang (1948-), Professor and Director of Executive Committee of Digital LIN Chao Geomuseum, Vice Chair of Expert Committee of China GEOS, Editor-in-Chief of Global Change Research Data Publishing and Repository, CODATA Prize Recipient (2008). E-mail: lchuang@igsnr.ac.cn

1 Introduction

LIN CHAO (1909.04.13- 1991.06.01), Professor of Peking University of China, was born in Jieyang, Guangdong Province, China. He was the first Ph.D. in Geography at the Liverpool University, UK in 1938, head of the Department of Geography and Dean of School of Science in Sun Yat-sen University from 1938-1940. He was one of founders of Institute of Geography of China and Director of Human Geography Section in 1940. One of his remarkable contributions in Chinese geographical history was his leading role in China joining the International Geographical Union (IGU) in 1949 when he was Director of Institute of Geography of China^[1-2].



Not only was his contribution to the human geography of China, Professor LIN CHAO was founder of Integrated Physical Geography of China, Landscape Ecosystem of China, and an outstanding professor in geographical education^[3]. His unique work on Finding and Naming Mt. Qomolangma (Mt. Everest) made a clear historical geography based on the historical and culture of the Tibet. He, as the Editor in Chief, led the first encyclopedia of Geography of China published in 1990. Several Professor LIN Chao's colleagues and students were interviewed in the video. The Video was archived in the Digital LIN Chao Geomuseum which was established by IGU, CODATA and GSC in 2011.

2 Metadata of the dataset of LINCHAOBioVideo

The summary of the metadata of the dataset of LINCHAOBioVideo is listed at the Table 1 as following.

Table 1 Summary of the dataset LINCHAOBioVideo metadata

Full name of the dataset	Professor LIN Chao - pioneer of Chinese geographers in IGU: Remembering LIN Chao in his 100th birthday		
Short name of the dataset	LinChaoBioVideo		
Corresponding author	LIN Yongxin, Department of Public Services, Jieyang City, Guangdong Province, lyx02@126.com		
Authors	HONG Shirong, Jieyang TV, Guangdong Province, China LIN Yongxin, Department of Public Services, Jieyang City, Guangdong Province, China, lyx02@126.com		
Year dataset created	2009		
Time	30 minutes		
Data format	*.VOB	Data Size	602MB
Data publisher	Global Change Research Data Publishing and Repository, DOI:10.3974/		
Data access platform	Global Change Research Data Publishing and Repository, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, http://www.geodoi.ac.cn National Data Sharing Infrastructure of Earth System Sciences of China, http://www.geodata.cn		
Academic editors	SHI Ruixiang, JIANG Dong, Nancy LIN, HE Shujin		
Data sharing policy	The authors of the dataset agree to publish the data here according to the Article I of Data Sharing Policy of the Global Change Data Publishing and Repository, which states that the dataset can be used freely for research, education, and decision making; any users for commercial uses should get formal permission from IGSNRR/CAS.		

3 Content of the dataset LINCHAObioVideo

3.1 Bibliography

LIN Chao was professor of Department of Geography at Peking University. He was born on April 13, 1909 in Jieyang, Guangdong Province, China and passed away on June 1, 1991 in Beijing at age of 82. He dedicated his life to geography, to geographical education, to China joining IGU, and to the international cooperation and collaboration. His achievements are greatest and the contributions to geography of China and beyond are unique.

Professor LIN Chao graduated from Department of Philosophy and took credit courses from Department of Geography, Sun Yat-sen University, Guangdong Province, China. He went to the University of Liverpool in 1934 and got Ph.D. degree in Department of Geography, University of Liverpool in 1938. He was the first Ph.D. degree recipient in geography of the university. After he returned to China in 1938, he was appointed as a Professor and Director of Department of Geography at the Sun Yat-sen University, and then Dean of Science School. Additionally, he was a professor of Southwest Associated University, Fudan University and Jinling Women's University. He was one of founders of Institute of Geography of China and Director of Human Geography Group of the institute in 1940. He was Director of Institute of Geography in 1947-1949. As the leader of Institute of Geography, he led the institute in processing of moving from Chongqing, Sichuan Province to Nanjing, the capital of the country in 1947; he led the processing of transferring the institute from an independent institute funded by a foundation into a national level organization funded by the Ministry of Education of the center government in 1947; he led the China delegation to participate the 16th IGU congress in Lisbon, Portugal in 1949, although he was the only one who actually joined the delegation. Because of his great effort and special contribution, China became IGU national member in 1949^[4-6].

He was one of organizers and leaders of geographical surveying in Jialingjiang basin, Xinjiang and around areas^[7-9]. He was one of founders of Journal of Geography and Acta Geographica Sinica, official journals of Institute of Geography and Geographical Society of China^[4, 8]. He was also a scientific advisor to the China Delegation for UNESCO in 1949, Advisor of British Culture Committee in China^[10].

After he returned to China in earlier of 1950, he was a professor in Department of Geology and Geography in Tsinghua University, and then Peking University. One of his finding was naming Mt.Qomolangma in 1958^[11]. Also, the framework of regionalization of physical geography of China which was published by Professor LIN Chao in 1954 was the first integrated geographical regionalization of China^[12]. Professor LIN was the Director of Physical Geographical Committee of Geographical Society of China, President of Geographical Society of Beijing, Honor President of China National Committee of International Landscape Ecosystem Society, member of the Beijing Political Consultative Conference (the third and the fourth sessions), Editor in Chief of the Encyclopedia of Geography of China, Director of Geographical Committee of the China National Committee for Terms in Science and Technology and Editor in Chief of the Dictionary of Geographical Terms^[13].

3.2 Highly respected Professor

Professor LIN Chao dedicated himself to geography. His noble character and

special contribution to geography were highly respected and credited by world wide scientists^[14-16]. Followings are the key sentences from them:

- HUANG Bingwei (Academician of Chinese Academy of Sciences, Director of Institute of Geography of Chinese Academy of Sciences, President of Geographical Society of China): In my heart, Prof. LIN is the modest, self-disciplined gentleman who dedicated all of his life to our motherland, to the people and to geography, especially the geographical research and education in universities. (1993)

- WU Chuanjun (Academician of Chinese Academy of Sciences, Professor of Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, President of Geographical Society of China, Vice President of IGU): (in the discussions who could be the editor in chief for the encyclopedia of Geography of China) No one else except Professor LIN Chao! (1985)

- HUANG Yanpei (Vice Premier of P.R. China, Minister of Ministry of Light Industry, Vice President of the Chinese people's Political Consultative Conference): (Professor LIN Chao's research work on Finding and Naming Mt. Qomolangma (Mt. Everest) This works are beneficial to the world.

- WANG Yiqiu (Professor of Peking University, Executive Vice President of Peking University): Peking University is a proud of you, I, on behalf of Peking University, greetings to you! (1989, 1990, 1991)

- ZHENG Shaoxuan (Director and Professor of Department of Geography, South China Normal University, Vice President of Geographical Society of Guangdong Province, China): A Miracle in Geography in China (1989)

- Department of Geography, Sun Yat-sen University (Celebrating Letter for Prof. LIN Chao's 80th Birthday): An Example of Generation of Scholars. (1989)

- WANG Enyong (Professor of School of Urban and Environment, Peking University, Director of Department of Geography, Peking University): An outstanding scholar who dedicated all of his life to geography! (1991)

- HUANG Runhua (Professor of School of Urban and Environment, Peking University): He is Scholar, Elder and Master (1991)

- CAI Yunlong (Professor of School of Urban and Environment, Peking University, Director of Land Science Session, Vice President of Geographical Society of China): The Benevolent Manner (1991)

- ZHONG Gongpu (Professor of Guangdong Institute of Geography): Honored with no ecstasy, destroyed with no angry (1991)

- CHEN Chuankang (Professor of School of Urban and Environment, Peking University, Director of Physical Geography Committee of Geographical Society of China): As his students, we should inherit and carry forward his tradition (1991).

- WANG Yanglin (Professor and Executive Deputy Dean of Graduate Student School, Peking University): Students are his priority at any time and always (1991)

- GAO Yongyuan (Professor of Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences): no complaint, even under the high pressure (1991)

- YANG Wuyang (Professor of School of Urban and Environment, Peking University): So Kind likes lovely father, so Humility likes a closely friend (1991)

- LIN Yunhui, LIN Jinghui, LIN Ninghui, LIN Yanhui (Professor LIN's Children): Miss Dad! (1993)
- LIU Chuang (Information Scientist, Center of International Earth Science Information Network - CIESIN, USA), LIU Yang (Student of Saginaw State University, Michigan, USA): (Donation for establishing the LIN Chao Scholarship in Peking University) Inherit and carry forward the spirit of Professor Lin Chao (1997)
- Education Foundation, Peking University: Professor LIN Chao made an outstanding contributions in geographical research, education and international cooperation in Peking University. (1997)
- A Professor from UK (Professor HUANG Runhua delivered): My father passed away when I was child, if I could choose father, I would like to choose him (2009).
- QIN Qiming (Professor and Vice Dean of Space School of Peking University) His academic theory will benefit his students and generations, his contributions to geography will be recorded in history forever (2009).
- SUN Guanlong (Editorial Board of Encyclopedia of China): Excellent Editor in Chief of Encyclopedia of Geography of China (2009)
- LIU Yongtai (Secretary General of Beijing Committee of Jiu San Society): He is deserved to be admired and remembered (2009).
- ZHENG Du (Academician of Chinese Academy of Sciences, Professor of Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Editorial in Chief of the Encyclopedia of Geography of China, the Second Team): Professor LIN Chao is a great master who contributed and led the modern and contemporary geography of China. (2009)
- SONG Changqing (Deputy Director of Department of Earth Sciences, National Natural Science Foundation of China, Vice President of Geographical Society of China): Professor LIN is an unique professor in the world, who is a master both in human and physical geography, historical and modern geography, geography of China and world, geographical theory and methodology, geographical research and education, as well as students in two generations! (2009)
- Ronald F. Abler (President of IGU): A Giant in Geography (2009).
- YANG Guishan (Director and Professor of Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences): All of the institute scientists will never forget him (2009).
- MA Ainai (Professor of Institute of Remote Sensing and GIS, Peking University): Expert in Geographical Education (2009).
- MO Duowen (Director and Professor of School of Urban and Environment, Peking University): The geographical theory and contributions from Professor LIN Chao are important and precious wealth of China! (2009)
- BAO Jigang (Assistant to President of Su Yin-Shan University, Director and Professor of Geography and Planning School, Vice President of Geographical Society of China): Professor Lin is one of few outstanding scholars in Chinese history, who got honor and credit when alive was much less than his contributions (2009).
- FU Bojie (Professor of Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Vice President of International Landscape Society, Vice President of

Geographical Society of China): Pioneer and Founder of Landscape Ecosystem Studies of China (2009).

- XIAO Duning (Professor of Institute of Apply Ecosystem, Chinese Academy of Sciences, chair of Chinese Committee of International Landscape Society): Mr. Lin's guidance, supports and encourage made me the way to dedicate myself to the research of landscape ecology in China for almost 20 years (2009).

- JIANG Chunliang (Professor of China PLA Academy of Military Science, Major General, Vice President of Military Geographical Society of China): His human geographical theory on the second world war based on geographical location, resources and population and his special research on Yunnan, Xinjiang and Mongolia regions are outstanding contributions to China's military geography (2009).

- SHEN Yuancun (Professor of Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Vice Chair of Physical Geography Committee of Geographical Society of China): He is one of the pioneers of China in the studies of integrated physical regionalization (2009).

- LIN Lijiao (Deputy Mayor of Jieyang City, Guangdong Province): An outstanding sages of the hometown (2009).

- SITU Shangji (Professor of Sun Yat-sen University): Not only his great achievements in geography were remarked in Chinese history, but also his nobility of character will be remembered by generations (2009).

- David (Professor and Dean of the University of Liverpool, UK): Pioneer of the cooperation between the University of Liverpool and China) (2009).

- LIN Yongxin (Officer of Jieyang City of Guangdong Province): Outstanding in Education, Excellence in Love (2009).

- LIU Ke (Student of School of Urban and Environment, Peking University, Recipient of LIN Chao Scholarship): I will continue his career in geography (2009).

- LIN Yanhui (Son of LIN Chao): His philosophy of life gave me the greatest impact, that is "no matter honor or disgrace, treat them with indifference" (2009).

- LIU Chuang (Professor of Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Co-Chair of Global Alliance for Enhancing Open and Apply Data in Developing Countries, UNDESA GAID): Pioneer of Geographical Society of China in IUG; He is the bright shined treasure in geographical history and will be recorded, archived and preserved in museum! (2009)

- SONG Zhuangming (President of the Jieyang Truth High School, Guangdong Province): The outstanding schoolmate (2009).

- WANG Hui (Reporter of Science Times): In geographical history, there is one who should not to be forgotten and will never (2009).

- LIN Jianhua (Vice President of Peking University): He is proud of Peking University (2009)

- LIU Yan'ou (Chairman of the Labor Union of Shenyang High Voltage Switchgear Co., Ltd.): I do not know Professor LIN Chao, however, I know the Mt. Qomolangma. It is he to make the contribution in naming it, he is great! (2010)

- LIN Ninghui (Daughter of LIN Chao, GIS Manager of Florida State Government, USA): "Giving and Forgiving" is the best gift and treasure which my father presented to me

(2011).

- YE Shaoming (Deputy Mayor of Jieyang City, Guangdong Province): Jieyang City is proud of LIN Chao (2011).

- Jao Tsung-i (Expert of Ancient Chinese, Professor of Chinese University of Hong Kong): This is very important (establishment of Digital LIN Chao Geomuseum), it is worth to do (2011).

- LIU Yanhua (President of Geographical Society of China, Counselor of the State Council, Professor of Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences): As one of the most outstanding geographers, he is still with us, his spirit and geographical contribution will encourage the followings, generation by generation (2011).

- Ronald F. Abler (President of IGU): Today we launch the Digital Lin Chao Geomuseum Initiative. That name commemorates and memorializes one of the giants of Chinese and international geography (2011)

- ZHENG Du (Academician of Chinese Academy of Sciences, Professor of Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences): Professor LIN Chao is a great master of modern geography of China; he created and led a series of outstanding achievements in geography. We should credit to him because of the progress of Chinese geography on the way to the world (2011).

- YANG Qinye (Professor of Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences): In deep memory the master (2011).

- LIU Chuang (Professor of Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Director of Executive Committee of Digital LIN Chao Geomuseum): Professor Lin Chao' geography thought and contributions, noble character and spirit are worthily to be recorded, preserved, generalized offspring and shared more broad in the world wide (2011).

4 The title of the video

In celebrating Professor LIN Chao's 80th birthday in 1989, Professor ZHENG Shaoxuan (Director and Professor of Department of Geography, South China Normal University, Vice President of Geographical Society of Guangdong Province, China) presented a Chinese poem to him as the following^[17]. The title of the video comes from the second sentence of the poem.

To Professor LIN Chao

In the Flourishing age, we celebrate the sage' 80th birthday,
You are a miracle in geography in China.

In Chongqing, you created the immortal valiant records;

In Guangdong, you exercised your leader talent;

In Beijing, fruits of education spreading over the land,

You are special bridge between China and the world else.

Anecdotes in my heart, I admirer you always,

You are the truly great and unique gentleman!

5 Introduction to the interviewed people in the video

The authors of the video interviewed the following people, who were Professor LIN Chao's colleagues, students and Children.

WANG Enyong, Professor of School of Urban and Environment, Peking University, has been working with Professor LIN Chao in Peking University for more than 30 years. He was Vice President of Geographical Society of China, Deputy Director of Research and Education Committee of Ministry of Education of China, Deputy Editor in Chief of Human Geography. WANG Enyong graduated from Department of Geology and Geography, Tsinghua University in 1953. After he graduated, he was appointed to be secretary of the Department of Geography, Peking University, and then, was promoted as Assistant to the Director, Deputy Director and Director of the Department of Geography of Peking University. He offers the human geography courses, and published the book on Introduction to Geography of Culture.

HUANG Runhua, Professor of School of Urban and Environment, Peking University, He was the member of the Research and Education Committee of Ministry of Education of China. His research and teaching was focused on the soil geography and environment. He was the Assistant to the Editor in Chief of the Encyclopedia of Geography of China, when Professor LIN Chao led the editorial team of the Encyclopedia of Geography of China.

JIANG Chunliang is the first Ph.D. Student whose supervisor was Professor LIN Chao, first Ph.D. Servicemen in Chinese PL A. He is Professor of China PLA Academy of Military Science, Major General, Vice President of Military Geographical Society of China. He is invited by the CCTV and National Radio to be the special military commentator.

CAI Yunlong, Professor of School of Urban and Environment, Peking University, one of Professor LIN Chao's students. Professor CAI was vice President of Geographical Society of China, Director of Department of Geography, Director of Land Science Study Center and Physical Geography Session, the School of Urban and Environment, Peking University. His research and teaching in Peking University were focused on land cover and land use change, land resources surveying and management, land assessment and land use planning, as well as the integrated physical geography.

LIU Chuang is Professor of Institute of Geographical Sciences and Natural Resource Research, Chinese Academy of Sciences, Director of Executive Committee of Digital LIN Chao Geomuseum, Editor in Chief of Global Change Research Data Publishing and Repository, Member of Data Sharing Working Group of Group of Earth Observation (GEO), Vice Chair of Expert Group of China GEO, Member of Consultant Committee of Chinese Association for Science and Technology for the United Nations, Secretary of Task Group of Preservation of and Open Access to S&T Data in Developing Countires, Committee on Data for Science and Technology (CODATA-PASTD). She was Professor LIN Chao's student in Peking University. She was Visiting Professor of Department of Geography, University of British Columbia, Canada, Information Scientist of the Center of International Earth Science Information Network, USA. She is one of the COATA Prize recipients.

Mr. MA Li, Professor of Capital Normal University, was Professor LIN Chao's Ph.D. student. His excellent teaching in integrated physical geography and natural resources and environment in the Capital Normal University was recognized and awarded to be an Outstanding Professor of Beijing.

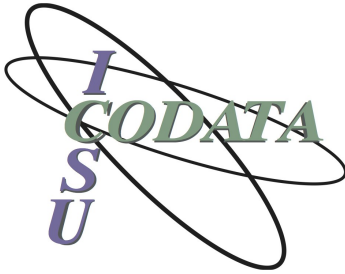
Mrs. LIN Yunhui, one of Professor LIN Chao's three daughters, is the eldest daughter.
Mr. LIN Yanhui is Professor LIN Chao's son.

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国际科学技术数据委员会 (CODATA) 发展中国家任务组 (PASTD)



国际科学技术数据委员会 (CODATA) 发展中国家科学技术数据保藏与开放共享任务组 (Task Group of Preservation of and Open Access to S&T Data in/for/with Developing Countries—PASTD) 是2000年由中国、南非、美国等国科学家首先提出、2002年CODATA大会正式批准成立的、世界第一支致力于发展中国家科学数据保藏与共享的数据科学家国际领衔团队。该团队由此议题倡导者中国科学院地理科学与资源研究所刘闯研究员、美国科学家 William

Anderson 博士担任首三届共同主席，团队由来自中国、美国、南非、泰国、巴西、英国、印度、乌克兰、俄罗斯等国科学家组成。该任务组首次在世界信息峰会 (WSIS, 2003日内瓦) 呼吁联合国及各利益相关方致力于解决削减数字鸿沟的问题引起世界关注。10多年来，该任务组联合相关国际组织先后在中国、南非、巴西、泰国、蒙古、古巴、哥伦比亚、肯尼亚举办系列国际研讨会和能力培训，于2014年通过了发展中国家科学数据共享原则，制定了发展中国家全球和区域合作战略、科学数据出版和共享联合行动计划。这是一支自世界信息峰会以来世界唯一持之以恒致力于发展中国家科学数据共享的国际团队。刘闯作为该团队的领衔专家获得CODATA奖 (2008)，中国科学家在该任务组的长期领衔作用 (中国科学院遥感与数字地球研究所顾行发研究员担任2008-2014年间三届共同主席，周翔副研究员自2014年接任共同主席)，中国被公认为发展中国家科学数据保藏和共享领域的领衔国家。

CODATA Task Group of PASTD

CODATA Task Group of Preservation of and Open Access to S&T Data in/for/with Developing Countries—PASTD was proposed in 2000 by scientists from South African, USA and China, and approved in the CODATA General Assembly 2002. This is the first international academic team focused on reducing digital divide in the world. Professor LIU Chuang from China and Dr. William Anderson from US led the team as Co-Chairs, and following by Prof. GU Xingfa from China, Professor Mabel Imbuga from Kenya, Dr. Dora A. Canhos from Brazil and Dr. ZHOU Xiang from China. More than twenty worldwide scientists join the Task Group. LIU Chuang was awarded the CODATA Prize (2008), because of her outstanding contribution to CODATA, especially for developing nations. A regional series of international workshops, as well as training programs were held in China, South Africa, Brazil, Mongolia, Cuba, Columbia and Kenya. The international cooperation strategy, principles of data sharing for sciences and sustainability in developing countries and the data publishing and sharing practices have been taken in actions, including the joint effort in Global Change Research Data Publishing and Repository, which is recognized as one of the key infrastructures of data publishing, repository and sharing in developing countries.