Seminar on Eco-Environmental Protection Data Collection and Big Data Platform Construction in Developing Countries
Project Description

Name	Seminar on Eco-Environmental Protection Data Collection and Big Data Platform Construction in Developing Countries			
Organizer	Guizhou Academy of Sciences			
Time	March.17th - March.30th, 2022	Language		English
Invited Countries	Developing countries	Number of Participants		25
Training Objectives	Through the training, students can basically master the basic knowledge, typical cases and application fields of ecological and environmental protection data collection and big data platform construction, laying a foundation for future work, and at the same time promoting cooperation and exchanges with China.			
Requirements for the Participants	Professional Background	-- Field or specialty: Eco-environmental protection, informatization, computer, big data field -- Job posts: executives in enterprises, government staff, professors in universities and researchers in scientific research institutions -- Level, academic degree or other relevant qualification requirements: None --Years of working in a relevant field: Experience in a relevant field or major		
	Age	Age requirements for online projects: the age of participants should not be higher than the legal retirement age of the recipient country.		
	Health	Good health and be able to attend online training on time		
	Language	Capable of listening, speaking, reading and writing in English for lecturing		
	Others	Able to use the Shiant International Training Platform to complete the project schedule.		
Seminar Content	Commissioned by the Ministry of Commerce of the P.R. China, "Seminar on Eco-Environmental Protection Data Collection and Big Data Platform Construction in Developing Countries" will be held by Guizhou Academy of Sciences from March.17th to March.30th, 2022. The Main Content of the seminar is as below: 1.Main Content of Seminar: (1) Basic knowledge, development history, current development situation and application case introduction of big data technology; (2) Introduction of China's natural ecological protection, restoration and supervision policies, status quo and achievements;			

(3) National environmental monitoring technology, data analysis and introduction of typical cases;

(4) Introduction to the development of China's big data industry and digital economy;

(5) Introduction to Guizhou Province's ecological and environmental protection background, policies, measures, progress, achievements and future plans;

(6) Basic knowledge of big data platform construction and introduction of ecological environmental protection work based on big data platform;

(7) Data collection technology and typical case analysis;

(8) Data warehouse construction and case introduction;

(9) Introduction of Guizhou Biological Resources and Environmental Big Data Sharing Platform；

（10）Experience and Achievement of China Poverty Alleviation and Rural revitalization；

（11）Brief Introduction of China;

（12）Guizhou assist Ezhou Medical team for Fighting Against Covid-19.

The seminar will provide participants the opportunities to look around Chinese historical buildings, beautiful natural scenic, environmental monitoring station and poverty alleviation base, in order to get a better understanding about China and its fast development through these technology and knowledge mentioned in the seminar. Lectures will be conducted by famous professors and scholars from domestic and international universities and research institutes. Unlike traditional seminars held before, this time the participants will not only be the audience but also play as the host for learning. Each participant will study online, review course content online and customize his own interests for future studying by use of the platform respectively.

2.Introduction of Online Training Platform

During the seminar, Shiant International Training Platform will be adopted. A combination of online lecturing, online discussion and VR cloud visiting will be adopted in the course program.

3.Introduction of part of lecturers of the seminar

　　Dr. Jing Yaping, President of Guizhou Academy of Sciences, Professor, provincial famous Teacher, e-commerce expert of Guizhou Province;

　　Dr. Zhou Shaoqi, Vice President of Guizhou University, professor, doctoral supervisor, one of the first batch of "New Century Excellent Talents" of the Ministry of Education, academician of International Eurasian Academy of Sciences, expert of environmental science and Engineering (research and application of biological nitrogen and phosphorus removal);

　　Dr. Li Danning, Vice President of Guizhou Academy of Sciences, senior researcher, Expert of Big Data of Guizhou Province;

　　Dr. Yang Shuhua, director of the Flower Research Office of the Institute of Vegetables and Flowers, Chinese Academy of Agricultural Sciences. Heading the national key research and development projects of the 13th Five-Year Plan, 863 projects of the Ministry of Science and Technology of China, Projects of Beijing Municipal Science and Technology Commission, and Scientific and Technological Innovation projects of The Chinese Academy of Agricultural Sciences

　　Dr. Su Weici, senior researcher, the researcher of urban geography, ecological environment

and sustainable development, heading many national projects, the National Natural Science Foundation of China, the National Social Science Foundation of China and other projects, etc.

  Ms. Zhou Hongying, deputy director of Guizhou Botanical Garden, member of council of China Flower Association, deputy secretary general of China Flower Association Rose Branch, representative of the 12th National Congress of Chinese Women, advanced representative of national culture, science and technology, mainly engaged in the research and utilization of flowers.

  Dr. Wang Zhikang, professor of Guizhou Minzu University for, Expert in the field of environmental protection;

  Mr. Zhao Weiquan, deputy director of Guizhou Institute of Mountain Resources. His research interests include resources, environment and application of remote sensing technology;

  Dr. Chen Kai, Associate researcher of Big Data Research Institute of Guizhou Academy, State-Council Allowance Obtained Expert ,General Manager;

  Ms Wang Yajie,Senior Engineer of Big Data Research Institute of Guizhou Academy, Deputy General Manager；

4. Materials to be prepared by trainees
(1) Before the start of the seminar, participants need to contact the person of the organizer in advance to get the relevant link of platform registration and complete the registration;
(2) The participant need to prepare an industry report introducing the basic situation of the country's ecological and environmental protection and big data development, and submit it to the organizer before the end of the seminar;

5. Final test/assessment
The participants' daily log-on data of the platform, the completion of the quiz after each lecture, and the submission of industry report will be used as the basis for the issuance of the training completion certificate.

Host City	Guiyang City, Guizhou Province	Cloud Visit Cities	Bijie City, Guizhou Province Guiyang City, Guizhou Province Tongren City, Guizhou Province
Notes	1. Disciplinary requirements: Please strictly abide by the training course schedule. 2. Participants are required to prepare relevant materials for the seminar according to the schedule, and submit relevant electronic materials as required.		
About the Organizer	Guizhou Academy of Sciences (GAS), founded in September 1935, is a research institution directly under the administration of Government of Guizhou Province. There are 16 innovative research institutes or academies under the administration of GAS including Guizhou Academy of Testing and Analysis, Guizhou Research Institute of Mountain Resources and etc. GAS also has 1 academician workstation, 1 post-doctoral workstation, 2 provincial talent bases, and 1 provincial continuing education base. GAS as the whole entity has more than 1000 large-scale science and research instruments. The number of the in-service working staff in the GAS is more than 1,170, including 178 managers and 632 full-time professional technicians, in which 30 percent of them have senior title of a technical post. Among them, 5 are provincial management experts, 11 are subsidized		

by governmental special allowance, 3 are selected as candidates of National New Century Millions of Talents Project, 8 are visiting scholars of West Light Talent Program, and 11 are cultivating objects of Guizhou Excellent Young Science Talents.

The GAS is advanced in 10 research subjects including physical and chemical testing and analysis, new material industry, metallurgical, chemical and process industry, bio-ecological environment, mechanic and electronic technology, information technology and internet technology, new building materials, characteristic food development, tourism resource development and modern consulting and design services.

Guizhou Province is known for its Big Data Industry and beautiful natural environment. From the last several years, the GDP growth of Guizhou Province was ranked the top three among China provinces, which partially due to the Big Data development strategy. Guiyang City, the capital city of Guizhou Province, is named as the Data Valley in China, which makes its very important role in China's Big Data Strategy.

Entrusted by the State Ministry of Commerce and other Ministries, GAS has successfully held a series of international academic conferences and training course in the field of computer science since 2000. The GAS is also the only institute in Guizhou Province that has held the China Aid Training Course Program. From 2003 to 2019, 22 training courses for developing countries have been successfully held with 773 participants from 92 developing countries including the theme of Computer Hardware, Computer Software, Network, Cyber Security, E-Government, Cloud Computing, Big Data and Etc.

The GAS has established research institutes in charge of research in fields of Big Data, Internet of Things, 3D Printing, Cloud Computing, Intelligent Agriculture and Etc. Our Food Safety Cloud, Ecology Cloud, Building Material Cloud, Intelligent Agricultural Cloud are playing important roles in Guizhou's local economic growth contributions. International Cooperation with BRI countries including Sri Lanka, Cuba, Pakistan, Lao, etc. and with developed countries such as US, UK, Norway, New Zealand in areas of the IT and new emerging technology are also developing very fast.

Contact of the Organizer	Contact Persons	Ms. Jin Jing, Mr. Zhang Shun,
	Telephone	+86-851-86763780, +86-851-86759209
	Mobile phone	+86-13121236799 (Ms. Jin),+86-13809411054 (Mr. Zhang),
	Fax	+86-851-86829046
	E-mail	jinjing0607@126.com(Ms.Jin);zhangshun025@163.com (Mr.Zhang)
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