

北斗、遥感等国际应用研修班

项目简介表

项目名称	北斗、遥感等国际应用研修班		
承办单位	贵州科学院		
举办时间	2022年8月1日—2022年8月30日	项目语言	英语
举办方式	线上	使用平台	山海云汇援外培训平台
邀请国别	发展中国家	计划人数	50人
培训目标	结合国家北斗发展战略与发展理念，向受训学员传播中国理念、分享中国经验，让学员掌握相关知识和技能,用于自身国家的发展与建设。		
学员要求	专业背景	——领域或专业：计算机、大数据、遥感领域 ——工作岗位：企业高管、政府工作人员、高校教授及科研机构研究人员 ——级别、学历学位或其他相关资质要求：无 ——相关领域工作年限：具备相关领域或专业的工作经验	
	年龄	线上项目年龄要求不高于受援国法定退休年龄。	
	身体健康	身体健康，能够按时参加线上培训	
	语言能力	学员应具备项目工作语言听、说、读、写能力	
	其它	能够使用山海云汇培训平台，完成项目日程安排	
培训内容介绍	受中华人民共和国商务部委托，贵州科学院将于8月1日至8月30日举办北斗、遥感等国际应用研修班。 1. 主要课程内容及内容： （1）使学员学习了解中国北斗、卫星遥感导航系统基本概念、组成、系统建设特点、分类，应用与产业化以及北斗、遥感产业的未来发展趋势与前景； （2）使学员初步了解中国北斗卫星遥感的生产、质量管理、新技术的应用； （3）使学员熟悉中国北斗卫星遥感的发展及现状，了解中国政策和技术环境，如何通过调整北斗卫星遥感的产业结构实现产品升级的； （4）通过中国卫星与全球卫星的比较、认识、分析，初步掌握拓展国际市场促进北斗遥感卫星产业发展的思路和技巧；		

- (5) 使学员了解贵州省北斗遥感卫星大数据发展、北斗遥感导航系统在贵州省的应用示范案例；
- (6) 使学员了解贵州省大数据发展现状、取得的成就与应用案例；
- (7) 使学员了解贵州北斗卫星+大数据发展情况；贵州遥感卫星+大数据发展情况；
- (8) 使学员了解贵州省北斗导航位置服务中心；贵州省遥感影像统筹服务平台；贵州省地质灾害防治指挥平台、贵科大数据平台定位、架构、功能等；
- (9) 使学员了解袋鼠云可视化平台定位、架构、功能、行业案例等；
- (10) 使学员了解贵州省北斗时空大数据云平台，为开展国际科技合作与业务搭建平台；
- (11) 使学员了解贵州省北斗大数据防灾应用创新中心；
- (12) 通过以上系统而全面的网上学习，学员结业时能够针对所学内容，结合本国卫星遥感国情，提出本国发展建议与思路。
- (13) 中国国情介绍：通过历史、文化、政治、外交、语言、近期时事等几个纬度，向学员介绍中国的基本情况；
- (14) 中国扶贫经验分享：介绍中国实现全体脱贫、走向新的发展阶段的经验和成绩；
- (15) 中国抗疫经验分享：介绍中国抗击新冠疫情的经验和期间发生的感人故事。

2.视频会议平台介绍

本次研修班将使用自主研发的山海云汇援外培训平台行线上培训，采取线上直播培训+录播协助+云参观+虚拟现实远程参观相结合的方式。

3.部分主讲人情况介绍

李丹宁，正高，大数据专家、数据库专家；

张洪亮，正高，副院长，遥感专家；

陈 恺，正高，大数据专家，软件工程专家；

王雅洁，副高，大数据专家；

张慧江，正高，遥感及无人机专家；

赵卫权，正高，正高及无人机专家；

王 莉：北斗国际中心主任，研究员，导航领域专家；

冷继权：贵州省北斗导航位置服务中心，工程技术应用研究员；

王 宏：贵州省遥感影像统筹服务平台工程技术应用研究员；

龙小祥：中国资源卫星应用中心研究员；

周长发：贵州师范大学（国家遥感中心贵州分部）二级教授；

杨广斌：贵州师范大学教授。

4.学员需准备的材料

- (1) 学员需要在开班前，需提前联系承办单位联系人，拿到平台注册相关链接，完成

	<p>在平台上的注册；</p> <p>(2) 学员需要根据自身国家基本情况，准备一份介绍该国计算机软硬件及网络技术基本情况的产业报告，并在研修班结束前提交承办单位；</p> <p>5.结业测试/评估</p> <p>学员每日登陆平台学习的情况、课后小测完成情况及调查问卷完成情况，将作为颁发培训结业证书的依据。</p>		
<p>举办地点</p>	<p>贵州省贵阳市</p>	<p>云参观考察 城市</p>	<p>贵州省贵阳市 贵州省铜仁市</p>
<p>备注</p>	<p>1.纪律要求：在项目实施过程中，请严格遵守项目日程安排。</p> <p>2.学员需按照日程安排准备专题研讨相关材料，按照要求提交相关电子素材。</p>		
<p>承办单位简介</p>	<p>贵州科学院从 2003 年开始承办商务部援外培训项目，19 年来累计承办了援外培训项目 29 期，共培训来自 91 个发展中国家和地区的 1040 名政府官员和技术人员，是贵州省唯一拥有援外培训资质的单位。除商务部援外培训外，贵州科学院从 2017 年开展，每年都承担了科技部发展中国家技术培训班项目，至今已连续 4 年获批该项目，并已顺利完成 4 年的国际培训班项目，累计培训了来自 20 个发展中国家和地区的 120 名专家和政府官员，其中超过 40% 学员拥有博士学位。</p> <p>贵州科学院立足贵州省，是中国大数据综合示范区，在大数据应用研究、高新技术应用示范方面具有其他省份没有的优势。18 年来，贵州科学院始终聚焦计算机软硬件、网络技术、云计算、信息安全和大数据技术等开展援外培训，积累了一批教学资源，与贵州大学、贵州理工学院、贵州财经大学、贵州师范大学、贵州装备制造学院等高校开展密切合作，与省工信厅、教育厅、科技厅、商务厅、省外办、工商联、人社厅等共同保障项目实地考察地点的选择，与省内重要云计算及大数据企业如航天云网、云上北斗、云上贵州等有业务往来，可安排一线师资及考察参观地点。</p> <p>贵州科学院下设 16 家科研院所，其中从事信息化工作的有省新技术研究所、省电子所、省机电研究设计所、贵科大数据研究院。全院职工近 1200 人，在贵阳沙文建设有大型中试基地，开展有 3D 打印技术、LIMS 实验室平台管理、智能制造技术应用的等应用基地。近年来，为了加快推动信息化工作，我院成立了新型科研机构：贵科大数据研究院，全面加速对数据赋能、创新驱动的发展，围绕已有数据资源和技术优势，建设了生态云、建材云、化工安全云、智慧农业云、智慧旅游云等一批优秀的云平台应用。</p> <p>贵州省后发优势明显，其利用信息技术实现迅速发展的经验能为更多发展中国家提供参考和借鉴。贵州科学院作为贵州省唯一一家综合性科研机构，其产学研一体的办学理念和技术成果，更有利于援外培训项目设立目的的实现。目前我院基于援外培训建立的友好关系，与老挝、巴基斯坦、斯里兰卡、古巴、巴拿马、多米尼加、委内瑞拉、加</p>		

	纳、尼日利亚等国家的大学、科研院所等建立了合作关系，面向“一带一路”国家开展了形式多样的合作交流。	
承办单位联系方式	项目联系人	张顺、袁媛
	办公电话	0086-851-86763780;
	手 机	■■■■■ (张)、■■■■■ (袁)
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	项目联系人	张顺、袁媛

Seminars on International Application of Beidou and Remote Sensing

Name	Seminars on International Application of Beidou and Remote Sensing		
Organizer	Guizhou Academy of Sciences		
Time	August 1 st – August 30 th , 2022	Language	English
Organizing method	Online training	Platform	Shiant International Training Platform
Invited Countries	Related officials of departmental level and higher from developing countries	Number of Participants	50
Objectives	Combined with the national Beidou development strategy and development concept, the seminar aims at spreading Chinese ideas and share Chinese experience to the participants, so that the participants can master relevant knowledge and skills, which can be used for the development and construction of their own countries.		
Requirements for the Participants	Professional Background	-- Field or specialty: Computer, big data and remote sensing industry -- 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, Seminars on International Application of Beidou and Remote Sensing will be held by Guizhou Academy of Sciences from August.1 st —August.30 th , 2022. The Main Content of the seminar is as below: 1. Main Content of Seminar:		

- (1) To enable students to learn and understand the basic concept, composition, system construction characteristics, classification, application and industrialization of China's Beidou and satellite remote sensing navigation systems, as well as the future development trends and prospects of Beidou and remote sensing industries;
- (2) To enable participants to have a preliminary understanding of the production, quality management and application of new technologies of China Beidou satellite remote sensing;
- (3) Make the participants familiar with the development and current situation of Beidou satellite remote sensing in China, understand China's policy and technical environment, and how to achieve product upgrades by adjusting the industrial structure of Beidou satellite remote sensing;
- (4) Through the comparison, understanding and analysis of Chinese satellites and global satellites, initially master the ideas and skills of expanding the international market and promoting the development of the Beidou remote sensing satellite industry;
- (5) To enable participants to understand the development of Beidou remote sensing satellite big data in Guizhou Province and the application demonstration cases of Beidou remote sensing navigation system in Guizhou Province;
- (6) To enable participants to understand the current situation, achievements and application cases of big data development in Guizhou Province;
- (7) To enable participants to understand the development of Beidou satellite + big data in Guizhou; the development of remote sensing satellite + big data in Guizhou;
- (8) To enable participants to understand the Guizhou Beidou Navigation Location Service Center; the Guizhou Provincial Remote Sensing Image Coordination Service Platform; the Guizhou Provincial Geological Disaster Prevention and Control Command Platform, and the Guizhou Academy of Sciences Big Data Platform's positioning, architecture, and functions;
- (9) To enable participants to understand the positioning, architecture, functions, industry cases, etc. of the Kangaroo Cloud visualization platform;
- (10) To enable participants to understand the Beidou spatiotemporal big data cloud platform in Guizhou Province, and to build a platform for international scientific and technological cooperation and business;
- (11) To enable participants to understand the Beidou Big Data Disaster Prevention Application Innovation Center of Guizhou Province;
- (12) Through the above systematic and comprehensive online learning, participants can put forward their own development suggestions and ideas based on the content they have learned and the national conditions of satellite remote sensing in their own countries.
- (13) Introduction to China's national conditions: introduce the basic situation of China to participants through several dimensions such as history, culture, politics, diplomacy, language, and recent current affairs;
- (14) China's poverty alleviation experience sharing: introduce China's experience and

achievements in achieving overall poverty alleviation and moving towards a new stage of development;

(15) Sharing of China's anti-epidemic experience: Introduce China's experience in fighting the new COVID-19 epidemic and touching stories that occurred during the period.

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

Li Danning, Zheng Gao, big data expert and database expert;

Zhang Hongliang, Zheng Gao, Vice President, Remote Sensing Expert;

Chen Kai, Zheng Gao, big data expert, software engineering expert;

Wang Yajie, deputy senior, big data expert;

Zhang Huijiang, Zheng Gao, remote sensing and UAV expert;

Zhao Weiquan, Zhenggao, Zhenggao and UAV experts;

Wang Li: Director of Beidou International Center, researcher, expert in the field of navigation;

Leng Jiquan: Guizhou Beidou Navigation Location Service Center, Researcher of Engineering Technology Application;

Wang Hong: Researcher of Engineering Technology Application of Remote Sensing Image Coordination Service Platform in Guizhou Province;

Long Xiaoxiang: Researcher of China Resource Satellite Application Center;

Zhou Changfa: Second-level professor of Guizhou Normal University (Guizhou Branch of National Remote Sensing Center);

Yang Guangbin: Professor of Guizhou Normal University.

4. Materials to be prepared by participants

(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 needs to prepare an industry report introducing the basic situation of their country's computer hardware and software and network technology, 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 questionnaire will be used as the basis for the issuance of the training completion certificate.

Host City	Guiyang City, Guizhou Province	Cloud Visit Cities	Guiyang City, Guizhou Province Tongren City, Guizhou Province
Notes	<p>1. Disciplinary requirements: Please strictly abide by the training course schedule.</p> <p>2. Participants are required to prepare relevant materials for the seminar according to the schedule, and submit relevant electronic materials as required.</p>		
About the Organizer	<p>Guizhou Academy of Sciences has undertaken the foreign aid training program of the Ministry of Commerce since 2003. In the past 19 years, it has undertaken 29 foreign aid training programs, training 1040 government officials and technicians from 91 developing countries and regions. It is the only unit with foreign aid training qualification in Guizhou Province.</p> <p>Guizhou Academy of Sciences, based in Guizhou Province, is a comprehensive demonstration area of big data in China. It has advantages over other provinces in big data application research and high-tech application demonstration. Over the past 18 years, Guizhou Academy of Sciences has always focused on computer software and hardware, network technology, cloud computing, information security and big data technology, carried out foreign aid training, accumulated a number of teaching resources, carried out close cooperation with Guizhou University, Guizhou Institute of technology, Guizhou University of Finance and Economics, Guizhou Normal University, Guizhou equipment manufacturing college and other universities, and worked with the Provincial Department of industry and information technology, the Department of education, the Department of science and technology, the Department of Commerce, the Provincial Foreign Affairs Office, the Federation of industry and commerce The Department of human resources and social security and other departments jointly guarantee the selection of field investigation sites of projects, and have business contacts with important cloud computing and big data enterprises in the province, such as aerospace cloud network, cloud Beidou, cloud Guizhou, etc. front-line teachers and investigation and visit sites can be arranged.</p> <p>Guizhou Academy of Sciences has 16 scientific research institutes, including Provincial Institute of new technology, Provincial Institute of electronics, provincial Electromechanical Research and Design Institute and guike big data research institute. The hospital has nearly 1200 employees. It has built a large pilot base in shawen, Guiyang, and carried out application bases such as 3D printing technology, LIMS laboratory platform management and intelligent manufacturing technology application. In recent years, in order to accelerate the informatization work, our institute has established a new scientific research institution: guike big data research institute, which comprehensively accelerates the development of data enabling and innovation driven. Focusing on the existing data resources and technical advantages, we have built a number of excellent cloud platform applications such as ecological cloud, building materials cloud, chemical security cloud, smart agriculture cloud and smart</p>		

	<p>tourism cloud.</p> <p>Guizhou Province has obvious late development advantages. Its experience of using information technology to achieve rapid development can provide reference and reference for more developing countries. As the only comprehensive scientific research institution in Guizhou Province, Guizhou Academy of Sciences has the concept and technical achievements of integrating industry, University and research, which is more conducive to the realization of the purpose of setting up foreign aid training projects. At present, the Institute has established friendly relations based on foreign aid training, established cooperative relations with universities and scientific research institutions in Laos, Pakistan, Sri Lanka, Cuba, Panama, Dominica, Venezuela, Ghana, Nigeria and other countries, and carried out various forms of cooperation and exchanges with countries along the "the Belt and Road".</p>	
Contact the Organizer	Contact Persons	Mr. Zhang Shun, Ms. Yuan Yuan
	Telephone	+86-851-86763780, +86-851-86759209
	Mobile phone	■■■■■■■■■■ (Mr. Zhang), ■■■■■■■■■■ (Ms. Yuan),
	Fax	+86-851-86829046
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Contact the Organizer	Contact Persons	Mr. Zhang Shun, Ms. Yuan Yuan