**“一带一路”国家风云气象卫星产品应用研修班**

**项目简介表**

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| 项目名称  | “一带一路”国家风云气象卫星产品应用研修班 |
| 承办单位 | 南京信息工程大学 |
| 举办时间 | 2021年5月11日至5月24日 | 项目语言 | 英语 |
| 举办形式 | 在线 | 平台 | 远程会议系统+网络学习平台 |
| 邀请国别 | “一带一路”沿线国家 | 计划人数 | 25人 |
| 培训目标 | 通过培训，了解中国风云气象卫星事业发展现状，学习卫星气象学的基本理论和知识，了解气象卫星的工作原理和产品应用领域，促进学员所在国遥感技术水平的提高，更好地在全球气候变化背景下使用风云气象卫星产品监测自然灾害、生态环境，提高天气监测预报水平，促进中国与相关国家在气象卫星产品应用领域进一步的交流合作。 |
| 学员要求 | 专业背景 | “一带一路”沿线国家气象、环境、农业、水资源、灾害管理行业背景 |
| 年龄 | 不高于受援国法定退休年龄 |
| 身体健康 | 身体健康，能够按要求参加线上培训 |
| 语言能力 | 英语听、说、读、写能力满足授课要求 |
| 其 它 | 承办单位提供参与授课的远程技术协助 |
| 培训内容介绍 | 受中华人民共和国商务部委托，南京信息工程大学将于2021年5月11日至5月24日举办“‘一带一路’国家风云气象卫星产品应用研修班”，工作语言为英语，为期14天，采取线上培训。本次研修班将使学员了解中国风云气象卫星事业发展现状，学习卫星气象学的基本理论和知识，了解气象卫星的工作原理和产品应用领域，促进学员所在国遥感技术水平的提高，更好地在全球气候变化背景下使用风云气象卫星产品监测自然灾害、生态环境，提高天气监测预报水平。为促进受援国与中国在卫星气象技术领域的交流，增进学员对中国改革开放、抗击疫情、脱贫攻坚事业的了解，此次研修班将具体开展如下主题的专题讲座：中国国情、中国防控新冠肺炎疫情经验分享、中国减贫事业经验分享、气象卫星及其观测系统综述、气象卫星遥感辐射传输理论、风云气象卫星数据遥感反演、天气系统的卫星云图识别与分析、气象卫星数据在短临预报中的应用、水汽和气溶胶的卫星遥感监测、风云气象卫星产品应用综述、风云气象卫星在自然灾害监测中的应用等。研修班组织2次专业答疑，以增强教学效果。本研修项目组织2次云参观，分别为南京博物院文化体验、大气与环境实验教学中心（南京）技术参观。项目相关资料将上传学习平台供时差困难学员使用，课件可供学员下载复习。 |
| 举办地点 | 江苏省南京市 | 参观考察城市 | 江苏省南京市 |
| 备注 | 1.本次培训使用云平台+学习管理系统并行开展培训，需要学员准备网络、电脑、麦克风、摄像头等有关设备。2.教学期间，请学员遵守教学时间和教学纪律，出勤、课堂表现、学习记录、参与讨论等将作为颁发培训结业证书的依据。3.教学纪律：每位学员在正式录取后将会通过邮件收到个人的课程ID，直播课程和学习系统使用请使用个人课程ID登录。4.版权事宜及信息安全：本项目所有资源（包含参训手册、指南、课件、录像、图片、文字）版权属于承办方，学员下载后仅供个人使用，不得用于任何商业目的。 |
| 承办单位简介 | 南京信息工程大学是享有盛誉的世界气象组织南京区域培训中心和联合国亚太经社理事会/世界气象组织台风委员会培训中心。自1990年至2020年，南信大已举办139期国际和46期双边气象水文培训班，为全球157个国家和地区培训了4000余名各类气象水文等专业人才，培训人员回国后成为其所在国家气象、水文等相关部门的业务科研骨干。在中国政府的支持下，南京区域培训中心针对发展中国家人力资源建设重点，举办多个领域的国际培训项目，范围涵盖：大气观测、天气预报、气候预测、气象信息服务、防灾减灾、应对气候变化、农业气象学、雷达气象学、卫星气象学、人工影响天气技术、热带气旋预报技术、数值天气预报技术、气象行政官员管理等。南京区域培训中心的培训项目严格按照世界气象组织《气象与水文教育培训标准实施手册》和相关[气象与水文业务人员教育培训指南](http://www.baidu.com/link?url=rZYxHCv8J_IsI3lJm-A8ixfTFTCzP8cc216kTujRLV5PbfIIocHNgRZ6RSGaJSu3QnQaSfrOIbhkTb-cbTmuF_&wd=&eqid=e7ff63120005e5f0000000035b358cb6)及规范开展。有关南京信息工程大学国际教育培训的更多详情，请访问<http://en.nuist.edu.cn/>。 |
| 承办单位联系方式 | 联系人：王勇（先生）、沈广湫（女士）办公电话：025-5873 1404 手机：139 138 48137（王） 139 5107 1763 （沈）传真：025-5701 0085QQ号：4055 86747 （王） 1315 5454 67 （沈）电子邮件地址：rtc@nuist.edu.cn（沈老师，项目管理与协调），rtcnj@nuist.edu.cn（钱慧老师，学员报名、管理与服务） |

**Seminar on** **Application of FY Meteorological Satellite Products for *Belt and Road* Countries**

**Program Description**

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| Name | Seminar on Application of FY Meteorological Satellite Products for *Belt and Road* Countries |
| Organizer | Nanjing University of Information Science and Technology |
| Time | May 11 - 24, 2021 | Language | English |
| Organizing Method | Online training | Platform | XYLINK or GCChina (Instructions to be provided later) |
| Invited Countries | *Belt and Road* Countries | Number of Participants | 25 |
| Purpose | This seminar introduces the development and use of meteorological satellites in China, and provides the basics of satellite meteorology, and the uses of meteorological satellites and product application so as to promote the operational competence of remote sensing of the countries represented through better tapping the capability of FY meteorological satellite in natural disaster monitoring, ecological environment protection, weather forecasting enhancement in the context of global climate change. It will also play as a bridge to facilitate exchanges and collaborations in relevant fields among B&R countries and China. |
| Requirements for Participants | Professional Background | Professionals in fields including meteorological service, environment, agriculture, water resources, and disaster management. |
| Age | Not exceeding the statutory retirement age in participant’s own country. |
| Health Condition | Healthy and be able to attend online training on time. |
| Language Proficiency | Fluent in English(listening, speaking, reading, and writing). |
| Others | The organizer will provide guidance and technical assistance remotely. |
| Training Content | Commissioned by the Ministry of Commerce of the People’s Republic of China (MOFCOM), Seminar on Application of FY Meteorological Satellite Products for *Belt and Road* Countries will be held online by Nanjing University of Information Science and Technology (NUIST) from May 11th to 24th, 2021. The working language of this 14-day event is English. This seminar introduces the development and use of meteorological satellites in China, and provides the basics of satellite meteorology, and the uses of meteorological satellites and product application so as to promote the operational competence of remote sensing of the countries represented through better tapping the capability of FY meteorological satellite in natural disaster monitoring, ecological environment protection, weather forecasting enhancement in the context of global climate change. It will also play as a bridge to facilitate exchanges and collaborations in relevant fields among B&R countries and China. It consists of lectures on the following topics: Introduction to China, China’s Fight against COVID-19, China’s Poverty Reduction, Overview of Meteorological Satellites and Their Observational Systems, Radiation Transfer Theory in Meteorological Satellites Remote Sensing, Remote Sensing Retrieval of FY Satellite Data, Satellite Imagery Recognition and Analysis For Synoptic Systems, Application of Meteorological Satellite Data in Short-Range Forecast and Now Casting, Satellite Remote Sensing of Water Vapor and Aerosols, Overview of FY Meteorological Satellite Products, and Application of FY Meteorological Satellites in Monitoring Natural Disasters. There will be two Q&A sessions on technical topics to enhance participants’ understanding of the topics. Two cloud tours will also be included to deepen participants’ impression of China and the application of satellite data products. These sites are Nanjing Museum and Atmospheric and Environmental Experimental Education Centre (Nanjing).For participants with difficulties in attending live sessions for time zone difference, lecture videos and slides will also be available for viewing and downloading (slides only) on the learning management system. |
| Host City  | Nanjing, Jiangsu Province | Online Tour Cities | Nanjing |
| Notes | The seminar will be run by both live session on video-conferencing platform and recorded sessions on a NUIST-hosted learning management system (LMS). Participants are expected to prepare necessary equipment and devices such as internet connection, computer, microphone, camera, etc.Certificates of completion will be issued to those who meet a series of requirements (to be provided in details in participant guidebook).All admitted participants will be informed of their respective participant ID, which will be the only valid ID for every participant into all seminar activities. All seminar materials, including but not limited to, program information, participant guide, lecture slides, lecture videos, seminar photos, screen shots, and relevant texts are intellectual property of Nanjing University of Information Science and Technology and are for personal and non-commercial use only.  |
| About the Organizer | Nanjing University of Information Science & Technology is a highly recognized Regional Training Center (RTC-Nanjing) by the World Meteorological Organization (WMO) as well as UNESCAP/WMO Typhoon Committee. It has held 139 international and 46 bilateral training courses from 1990 to 2020. Over 4,000 meteorologists and hydrologists from 157 countries (regions) have been trained. Many of them have become the backbone in their respective National Meteorological and Hydrological Services (NMHSs). With strong support from Chinese government, RTC-Nanjing provides a wide range of international training courses on various subjects for the development of human resources in developing countries, such as atmospheric observation, weather forecasting, climate prediction, climate information service, disaster risk prevention and reduction, climate change management, agro-meteorology, radar meteorology, satellite meteorology, weather modification technologies, tropical cyclone forecasting, Numerical Weather Prediction technologies, administrative management of meteorological services, etc.It strictly follows the WMO Manual on the Implementation of Education and Training Standards in Meteorology and Hydrology, Guidelines for the education and training of meteorological personnel in meteorology and operational hydrology, and other regulator materials. More information about NUIST can be found on the website <http://en.nuist.edu.cn/>.  |
| Contact the Organizer | Contact Person(s): Mr. WANG Yong (Mr. Jack), SHEN Guangqiu (Ms. Diane)Telephone: 0086-25-5873 1404Mobile phone: 0086-139 1384 8137 (WANG), 0086-139 5107 1763 (SHEN)Fax: 0086-25-5701 0085QQ Accounts: 4055 86747 (WANG) 131 5545 467 (SHEN) E-mail: rtc@nuist.edu.cn (Ms. DIANE, Project Management and Coordination)rtcnj@nuist.edu.cn (Mr. ROWAN, Seminar Application and Participant Service) |