

## **Call for Participants of 2023 IRCK Training Course**

# **INTERNATIONAL TRAINING COURSE ON SUSTAINABLE UTILIZATION OF NATURAL RESOURCES IN KARST AREAS (I): REMOTE SENSING AND MONITORING**

## **CIRCULAR I**

**UNESCO International Research Center on Karst  
(IRCK)**

**May 16 ~29, 2023**

**Nanning · Chongqing · Guilin, China**

**INTERNATIONAL TRAINING COURSE ON  
SUSTAINABLE UTILIZATION OF NATURAL RESOURCES IN KARST  
AREAS (I): REMOTE SENSING AND MONITORING”**

**Background and aims:**

Approved by the 34<sup>th</sup> General Conference of UNESCO in October 2007, an International Research Center on Karst (IRCK) under the auspices of UNESCO (Category II) was established in Guilin, China, the Agreement between the Chinese government and UNESCO concerning the Establishment and Operation of the IRCK was signed in Paris on February 11, 2008 and the Center was officially inaugurated in December 2008. On May 12, 2016, the Renewed Agreement for the Center was signed between Chinese government and UNESCO, indicating the formal Phase-II operation of IRCK.

IRCK is based at the Institute of Karst Geology, Chinese Academy of Geological Sciences (CAGS), located at No. 50 Qixing Road, Guilin, Guangxi 541004, P. R. China. Its objectives and functions are, to provide advisory activities, technical information and training as a basis to advance karst sciences, undertake international technical consultation and organize international workshops and symposia on special subjects, scientific field investigations, and lectures and so on. It successfully organized eleven international training courses onsite in Guilin, Nanning, Chongqing, Kunming, Xiangxi and three international training courses online in the past 14 years, which were attended by 432 trainees from 55 countries.

With the support of the Institute of Karst Geology, CAGS, and Wulong World Natural Heritage Protection Center, IRCK will organize **the International Training Course on “Sustainable Utilization Of Natural Resources in Karst Areas (I): Remote Sensing and Monitoring”** in Nanning, Chongqing, Guilin, to be scheduled on May 16th ~ 29th, 2023, with the aim of enhancing research cooperation and academic exchange between China and other countries, and sharing Chinese successful experience in karst scientific research with colleagues overseas. The Chinese karst scientists warmly welcome geologists, hydrologists and related administrators and scientists from all over the world, especially the developing countries to participate in this upcoming training course.

## PROGRAMME OUTLINE

### **Time and venue:**

The training course will be held in Nanning, Chongqing and Guilin, on May16 ~ 29, 2023. The hotel will be noticed in Circular II at the beginning of April.

### **Working language:**

The working language is English.

### **Arrangements:**

See Appendix 1

### **Major topics:**

1. Basic knowledge of karst geology
2. Basic theory of GIS and remote sensing technology
3. Exploitation and protection of natural resources in karst areas
4. Karst geomorphology and landscape(Excursion)

### **Lecturers:**

The organizer of the training course will invite experienced experts and specialists from China and other countries to deliver lectures and usher field excursions.

### **Trainees:**

According to our budget, we will only enroll 20 foreign trainees and 10 Chinese trainees. Once the applicants limit is exceeded, we will choose the more appropriate applicants to join the training course based on your application and recommendation.

## GENERAL INFORMATION

### **For alien trainees:**

1. **Airfares reimbursement:** Once the applicants were accepted, we will reimburse the applicants' round-trip airfares (from the city where the applicants live to Guilin) less than CNY 8,000 for non-Southeast Asian Countries, and less than CNY 5,000 for Southeast Asian countries, and we could only reimburse economic class ticket due to related policy. Any airfare cost beyond quota would only be possible to be paid by the applicants themselves. When the trainees arrived at the hotel, please submit a copy of the e-ticket and sign your name on it, and we will give you the reimbursement in CNY within one week.
2. **Meals:** We will cover the meals during the training course from May.16 to May. 29, 2023.
3. **Accommodation:** We will reserve single rooms for all the accepted applicants in Nanning, Chongqing and Guilin and cover all the accommodation expenses within the duration from May.16 to May. 28. Any accommodation beyond the duration would only be possible to be paid by the trainees themselves.
4. **Vehicles rental:** Except the vehicles used for the field trip or pick-up/see-off services arranged

by the training course, we will not cover any cost on vehicles rental.

5. **Tuition fees:** The training course is free to all the foreign trainees.

6. **Insurance:** We will provide accident insurance to all the trainees for free.

**For Chinese trainees:**

All the Chinese trainees is encouraged to cover all the cost by themselves. But for the accommodation, we will reserve rooms in the same hotel for the Chinese trainees, but the room type could be decided by the trainees themselves according to their budget. For the students, we will try to arrange some accommodation for them. Once the trainees arrived at the hotel, please check-in and check-out by yourselves.

**Please note that we do not suggest any trainee to bring along dependents.**

**Visa Application:**

We will send scanned invitation letters to all the accepted applicants as soon as possible for visas via email. However, since the training course is supported by IKG, which is administrated by the Ministry of Natural Resources of China (MNR), all the official invitation letters are issued by the MNR. We need at least 2 weeks to submit the accepted applicants' personal information to MNR and get the invitation letters for visas' application.

**Weather conditions:**

The local temperature is in the range of 18°C~ 30°C with humid air during late May of the year. Field dress and rain coat are necessary.

**Laptop computer requirement:**

Each participant is expected to bring with him/her a laptop computer for the study and presentation preparation during the training course.

**Application:**

Please find the application form attached to this Circular, then fill in all the blanks for the information we required and send to the designated email address (irck\_secretariat@163.com) before **April.7, 2023**. The name of your application form is appreciated as "Nationality-Name". Any further information will be sent to you via email.

**Contact information:**

For further information please contact:

irck\_secretariat@163.com

International training course on *Sustainable Utilization of Natural Resources in Karst Areas (I): Remote Sensing and Monitoring*

International Research Center on Karst (IRCK), UNESCO

Institute of Karst Geology (IKG), CAGS  
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Tel: +86-773-7796561  
Fax: +86-773-5813708

Websites: [www.irck.org.cn](http://www.irck.org.cn)

Appendix: 1 Draft schedule of the training course  
2 Application Form



## Appendix 1:

### Draft schedule of the training course

Date	Time	Programme	Site
May.16 <sup>th</sup>	Full day	Registration	Nanning
May.17 <sup>th</sup>	Morning	Opening Ceremony of the training course	
	Afternoon	Typical cases of ASEAN member states for the RS technology	
May.18 <sup>th</sup>	Morning	Opening ceremony of China-ASEAN Mining Cooperation Forum	Nanning
	Afternoon	Visit Anthropology Museum of Guangxi	Nanning
May.19 <sup>th</sup>	Morning	Sustainable Development of Karst Areas Sub-Forum	Nanning
	Afternoon	Nanning-Chongqing	High speed railway
May.20 <sup>th</sup>	Morning	Chongqing-Wulong	Intercity express
	Afternoon	Lectures: Karst geomorphology and landscape	Wulong
May.21 <sup>st</sup>	Full day	Field Practice: Wulong World Natural Heritage Site	Wulong
May.22 <sup>nd</sup>	Full day	Field Practice: Wulong World Natural Heritage Site	Wulong
May.23 <sup>rd</sup>	Full day	Wulong-Guilin	High speed railway
May.24 <sup>th</sup>	Full day	Self study	Guilin
May.25 <sup>th</sup>	Full day	Lectures: Principle and application of GIS and remote sensing technology	Guilin
May.26 <sup>th</sup>	Full day	Principle and application of ground physical monitoring technology in karst area	Guilin
May.27 <sup>th</sup>	Full day	Field Practice: Maocun experimental site and IRCK new base	Guilin
May.28 <sup>th</sup>	Full day	Trainee assessment and closing ceremony	Guilin
May.29 <sup>th</sup>	Full day	Departure	Guilin

## Appendix 2:

Email it **before April 7, 2023** to:

Mr. Zhong Liang

irck\_secretariat@163.com

International Research Center on Karst, UNESCO

Institute of Karst Geology, CAGS

50 Qixing Road, 541004 Guilin,

Guangxi, P. R. China

Attach a  
recent  
photograph

## APPLICATION FORM

for IRCK 2023 International Training Course

1. Last name:
2. First name:
3. Full name (as printed in your passport):  
(Underline your name frequently used)
4. Passport number:
5. The city to apply for visa (Embassy/Consulate):
6. Passport's issue date and expiry date:
7. Date of birth:
8. Place of birth:
9. Gender:
10. Present nationality:
11. Nationality at birth:
12. Marital status:     ☐ Single                      ☐ Married
13. Mailing address (Post code should be marked):
14. Fixed telephone number and mobile phone number:
15. Fax number:
16. Email and homepage:
17. Institution (University, Ministry or other):
18. Official position:

19. Education (omit primary schooling):

<b>Institution</b>	<b>Location</b>	<b>Attended from...till...</b>	<b>Degree or qualification earned</b>

20. Number of publications (submit a list of your papers):

21. Languages:

<b>Languages commanded (mother tongue first)</b>	<b>Fluently used language(s)</b>	<b>Language(s) used only for reading</b>

22. Submit a certificate of health issued by public health authorities.

23. What is your main field of research interest?

24. Submit a short letter from your head of department (or president of university, dean of faculty or corresponding) stating to what extent your training can be used at your department, university, laboratory after returning home.

25. Three references:

Full name

Contact Email

(1)

(2)

(3)

26. Are you applying simultaneously for another fellowship or position?

27. Have you studied abroad before?

28. Will you bring with you a laptop computer as required during this course?

29. Please attach the scanned image of your passport.