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THE NATIONAL INTENSE PROGRAM IN MONGOLIA

INTENSE – Integrated Doctoral Program for Environmental Policy, Management and Technology

THE SETTLED NOMADISM-2021

SUMMER SCHOOL PROGRAM OF ENVIRONMENTAL SCIENCES

Discovering the Science of the Environment

THE SETTLED NOMADISM-2021

SUMMER SCHOOL PROGRAM OF ENVIRONMENTAL SCIENCES

Introduction:

The INTENSE national program partners of National University of Mongolia (NUM), Khovd State university (KHU), Mongolian University of Life Science (MULS) are delighted to announce the Summer school of environment and its monitoring that will take place at the Khovd aimag, Mongolia 15-28 August 2021.

The event will bring together researchers and professionals from respectable Mongolian universities and stakeholders from the western Mongolian region to discuss environmental monitoring in research and applications. The summer school will allow the invited graduate students (participants of the NUM, KHU and MULS) to learn about the research method and trends in these and related fields. The event training is related to the research field of semi-desert ecosystem monitoring, wetland monitoring, protected area management, high mountain biodiversity and its investigation and high mountain glacier and glacilization monitoring.

Upon completion of the summer school, the graduate students gain a knowledge of semi-desert and wetland ecology, high mountain environment and special protected area management in the western region of Mongolia from national scientists experienced in aforesaid studies. Furthermore, students will experience western Mongolian culture traditions, and nomadic herding lifestyle, production of milk products, national songs and music. Students live in a ger, Mongolian traditional accommodation and tent in natural beautiful places. No prior experience is necessary.

INTENSE project aims:

- To build the capacity of PhD students to improve their published output, through a strengthened multidisciplinary approach to doctoral training, aided by facilitating access to global and EU research networks (including facilitation of academic mobility), development of transferable skills, promotion of joint research/supervision arrangements & interdisciplinary & practice-oriented thesis topics.

Registration and selection:

The Summer school is open to graduate students (preferable to PhD students) of National University of Mongolia (NUM), Khovd State university (KHU), Mongolian University of Life Science (MULS), who are involved in environment-related sciences. Participants should be motivated to actively participate and be available for the whole duration of the summer school. A certificate of attendance will be provided to all the participants.

Registered participants will be selected by the NUM, KHU, MULS committee based on their merits, educational and research background and other criteria. Early applications will be given priority. Selected participants will be informed of their acceptance by 12th August 2021. In the registration, the applicants attach their background introduction of research at least a half page in Mongolian.

Coordinator: Khovd State University

INTENSE Partners: National University of Mongolia
Mongolian University of Life Sceinces

Duration: 14 days (16th August – 29th August, 2021)

Registration deadline: 10th August 2021

Fees: No fee for graduate students from the INTENSE partner universities. All cost will be covered by the INTENSE project.

Included: All cost, including insurance, transportation, food, daily allowance, accommodation will be supplied by the INTENSE program.

Not included: Travel accessories and personal supplies during the school will be borne by the participant.

Food: No special food accepted. In field, only Mongolian food is available.

COVID-19 vaccination:

The participants must have the vaccination certificate that shows all 2 doses of any type of vaccination and passed more than 14 days or sick and treated certificate that proves participants get sick by COVID and treated.

This is extremely interesting and challenging experience in:

- Taking part in everyday life of Mongolian nomads,
- Training your powers of observation, orientation, and working in field
- Reading a compass, digging, keeping notes,
- Hiking in a beautiful country,
- Mastering photography (funny photos will be collected for last day event)
- Networking with international friends,
- Drawing maps, and getting dirty, having fun!
- Enjoying beautiful scenery of sunrise, sunset and bright stars in the sky at night.
- Enjoying and experiencing scientific field study

Accommodation and work environment:

In the city, students will stay in the university dormitory. In the field, students must be prepared to live and work in a field camp, sleep in tents, share camp chores and maintenance, and engage in strenuous outdoor activities as hiking to field work, including soil, air, water studies. Students will be responsible for excavating, carrying heavy loads, and processing field collections of samples.

Personal supplies:

Students should be prepared for fieldwork and camping. Critical items include a tent, warmer sleeping bag, rain gear, hiking boots, grubby clothes, toiletries, hat, camera and others. Your field equipment kit should contain watch, GPS, protractor, pencils and pens, and you should have your personal backpack, a portable water container, toilet paper, insect repellant, medicine for any case of emergency. A complete list of personal supplies will be furnished upon registration for the course. **Only one backpack is acceptable for field work.**

Course schedule:

Time	Topic	Tutor
Day 1 – Arrival and hotel 16 August 2021 – Monday		
	Arrive Khovd and check-in hotel	
Day 2 - The university 17 August 2021 – Tuesday		
09:00 – 09:30	Introduction to Khovd State University	G.Amarzaya, KHU
09:30 – 10:00	Introduction of online training KHU	D.Unurnasan, KHU
10:00 – 10:30	The conceptual framework of summer school	B.Bayarkhuu, KHU
10:30 – 11:00	Tea break	
11:00 – 13:00	The university tour	B.Bayarkhuu, KHU
13:00 – 15:00	Lunch	
15:00 – 15:30	Introduction to research field of Geography and Geology department of Khovd State University	KHU
15:30 – 16:00	Introduction of research field of Biology and Chemistry department of Khovd State University	KHU
16:00 – 16:30	Environmental issues of hydro power station	O.Altansukh, NUM
16:30 – 17:00	Special protected area	N.Oyunchimeg, NUM
17:00 – 17:30	Introduction to research field of School of Agroecology, Mongolian University of Life Sciences	D.Delgerjargal, MULS
17:30 – 18:00	Field study preparation	All participants
Day 3 – Near the Khovd city 18 August 2021 – Wednesday		
09:00 – 10:30	Coal chemistry study	B.Gantumur, KHU
10:30 – 13:00	Study excursion to field study station of Khovd state university	B.Bayarkhuu, KHU B.Gantumur, KHU N.Tegshjargal, KHU
13:00 – 15:00	Lunch	
15:00 – 16:00	Study excursion to weather station of Khovd city	B.Bayarkhuu, KHU
16:00 – 18:00	City tour	E.Narankhuu, KHU
Day 4 – Khar Us Lake national park 19 August 2021 – Thursday		
All day	Study excursion to Western ecology research station of Khovd state university, Khar Us Lake - Wetland monitoring, management and policy	Z.Burmaa, KHU
Day 5 – Durgun hydropower station 20 August 2021 – Friday		
All day	Study excursion to Durgun hydropower station, renewable energy and its impact on environment	O.Altansukh, Director O.Altansukh, NUM
Days 6-8 – Myangan Ugalzat national park 21-23 August 2021 – Saturday, Sunday, Monday		
Day 6	Study excursion to Research centre of Myangan Ugalzat national park - High Mountain flora and its study	D.Darikhand, KHU
Day 7	Protected area management	N.Oyunchimeg, NUM
Day 8	Walking tour	D.Lkhagvadorj, Director
Day 9 – Altay Sayan 24 August 2021 – Tuesday		
All day	Study excursion to Altay Sayan field office of WWF, Mongolia – High Mountain animals, the snow leopard	O.Munkhtogtokh Officer
Day 10-11 – Tsambagarav National Park 25-26 August 2021 – Wednesday. Thursday		
All day	Study excursion to Tsambagarav National Park – High Mountain environment: Eternal snow and glaciology monitoring	D.Otgonbayar, KHU

Day 12 – Back to Khovd city 27 August 2021 – Friday		
All day	Travel back to Khovd city and free time	B.Bayarkhuu, KHU
Day 13 – Presentation 28 August 2021 – Saturday		
09:00 – 13:00	Team work – discussion, wrap-up, prepare presentation	All participants
13:00 – 15:00	Lunch	
15:00 – 17:00	Presentation	All participants
17:00 – 18:00	Closing remarks, certificate	All participants
Day 14 – Ulaanbaatar 29 August 2021 – Sunday		
All day	Travel back to Ulaanbaatar city	O.Altansukh, NUM

Extra day for stay is not acceptable.

Organizing committee and contact:

- ~ Ochir Altansukh National University of Mongolia
  altansukh@seas.num.edu.mn 91993096
- ~ Dugarjav Delgerjargal Mongolian University of Life Sceinces
  delgerjargal@muls.edu.mn 88007327
- ~ Batbayar Bayarkhuu Khovd State University
  bayarhuu@khu.edu.mn 99438200

Certificate:

Upon the successful completion of the program, a certificate will be awarded.

How to apply:

1. Please fill the application form and send it to our address by August 10 2021.
2. After receiving the application form, will send you the notification letter with detailed information.

Selection procedure:

The selection will be carried out by the organizing committee on the basis of the received documents and interview with candidates. The interview will take place on 12th August 2021 by online form. The Commission will evaluate each candidate by 1-10 points. The list of selected participants will be notified with an email on 12th August 2021.

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APPLICATION FORM FOR SUMMER SCHOOL PROGRAM

1. Personal details
   Family Name: _____
   Given Name (s): _____
   Sex (Male/Female): _____
   Date of Birth (Day/Month/Year): _____
   Personal ID: _____
   Phone: _____
   E-mail: _____
2. Institution – choose one
   - National University of Mongolia
   - Mongolian University of Life Sciences
   - Khovd State University
3. Kind of participation – choose one
   - Ph.D student
   - MSc student
4. Field of research
   - Geography
   - Chemistry
   - Biology
   - Ecology
   - Environmental science
5. Short introduction of your research background

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6. The training will take place in the field, so you will be well-prepared to work and study in the field /on-site/
   - Yes, I will fully possibly go to countryside
   - No, I am not ready
7. Declaration

I declare that the information provided in this application is correct and true. Also, if I attend the summer school program, I will abide by the conditions set out in the organizer.

Signature: _____ Date: _____/ _____/ _____

8. Additional documents to attach:
   - ~ Citizenship card
   - ~ Student or employment card
   - ~ The vaccination certificate
   - ~ CV

The candidates should send e-mail with all relevant attachments to the following e-mails with the following subject: “APPLICATION TO INTENSE SUMMER SCHOOL”. Applications for admission must be submitted within 10 August 2021.

Send your complete application to:

- ~ Ochir Altansukh — National University of Mongolia
  altansukh@seas.num.edu.mn — 91993096
- ~ Dugarjav Delgerjargal — Mongolian University of Life Sceinces
  delgerjargal@muls.edu.mn — 88007327
- ~ Batbayar Bayarkhuu — Khovd State University
  bayarhuu@khu.edu.mn — 99438200

If there is any question about your application form, please do not hesitate to contact.

PERSONAL ITEM LIST

Person, who will join summer school program, needs to prepare the following personal items. Herein:

For working practices:

1. Note book
2. Pen, pencil
3. Line, meter
4. GPS
5. Camera
6. Flashlight
7. Battery
8. Backpack

For personal supplies:

~ Warm clothes
~ Jacket
~ Travel shoes and clothes
~ Personal or sharing tent
~ Warm sleeping bag
~ Rain gear
~ Toiletries
~ Portable water container
~ Toilet paper
~ Watch
~ Insect repellant
~ Medicine for any case of emergency
~ Toothpaste
~ Soap
~ Shampoo
~ Cup, spoon
~ Knife
~ Others, you need