

## **The 4<sup>th</sup> workshop on Global Black Soil Critical Zone Geo-ecological Survey (BASGES) Conference Notice**

The project(IGCP665) aims to study the mechanisms of the formation and evolution of the three major Black Soils (BS) across Northeast China, North America and southern Russia-Ukraine, and the relationship between BS ecosystems and global change in the context of "Earth Critical Zone" (CZ), which aims to solve complex systematic problems of the near surface environments of our planet. A long term space-air-ground integrated observation system including RS, geochemistry and Critical Zone Observatory (CZO) will be developed to monitor various data sets, so as to provide comprehensive understandings of the black soil critical zone (BSCZ) and its mutual impacts on global change. We propose to develop a BS CZO in Northeast China covering representative landscapes. The project results will provide a strong support for the international governments to make sustainable land use plans and will be freely available to the public from our website for people to understand the value of the BS in our daily lives. The research might extend, if possible, to other BS, e.g. Pampas Prairie in South America. The data and facilitate developed by this project will be open to the public for education and research purposes.

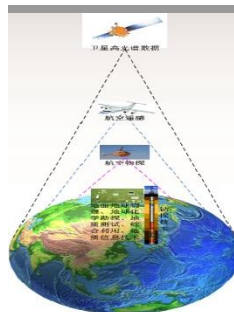
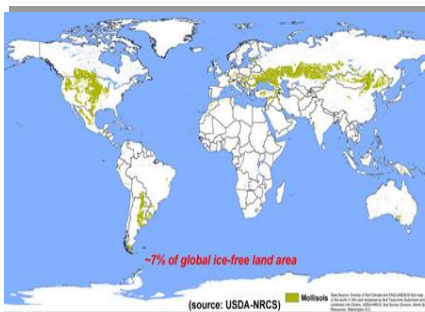
In order to promote the IGCP665 project research and strengthen communication among project members, the 4<sup>th</sup> workshop on Global Black Soil Critical Zone Geo-ecological Survey (BASGES) will be held on 19 May, 2021. In view of the global CONVID-19 epidemic, this conference will be held in the form of a webinar. See the workshop manual for details.





# Global Black Soil Critical Zone Geo-ecological Survey (BASGES)

## 4<sup>th</sup> Workshop



**Shenyang Center of China Geological Survey**

**International Black Soil Society**

**Key Laboratory for Evolution and Ecological Effect in Black Land**

**Black Soil Remote Sensing Branch of China Association of Remote Sensing Application**

**Jilin University**

**19<sup>th</sup> May 2021**

**IGCP665 ID: <http://globelblacksoils.org/news/>**

# Agenda

May 19th, 2021



<b>17:00</b>	<b>Speech of welcome</b>	<i>D. Zhang</i>
<b>17:10</b>	The Latest Progress on the Evolution and Sustainable Use of the Black Soil Critical Zone	<i>H. Dai</i>
<b>17:30</b>	International Union of Geological Sciences Manual of Standard Geochemical Methods for the Global Black Soil Project	<i>A. Demetriades.</i>
<b>17:50</b>	The concept of the Internet of Models(IoM) and its potential application in the black soil critical zone research	<i>L. Wang</i>
<b>18:10</b>	Degradation of Black Soils in Russia	<i>Igor Savin</i>
<b>18:30</b>	Manual of Space-Aerial-Ground-Integrated Remote Sensing Survey of Land Ecological Geology	<i>S. Chen</i>
<b>18:50</b>	Soil NH <sub>3</sub> , NO and N <sub>2</sub> O emissions under maize cultivation in Northeast China	<i>Z. Quan</i>
<b>19:10</b>	Rest	
<b>19:20</b>	Satellite monitoring of chernozem degradation in Ukraine	<i>R. Shevchuk</i>
<b>19:40</b>	First glimpse of the geochemistry of European black soil by using the GEMAS agricultural soil data set	<i>A. Demetriades</i>
<b>20:00</b>	GIS analysis of geological factors of chernozem degradation in southern part of Ukraine	<i>R. Havryliuk, T.Kril</i>
<b>20:20</b>	Black soil thickness map and geochemical zoning map of Black Soil Region in NE China	<i>K. Liu</i>
<b>20.40</b>	Summary	<i>S. Chen</i>

## Practical Information

### 1. Check the time

The time in the schedule is Beijing time, and has a time difference of 5 hours earlier than Moscow and Cyprus, 7 hours earlier than London. please check the local time in case we miss you.

### 2. The meeting tool

To make it easier for everyone to join the webinar, we decided to switch to **Microsoft Teams** as our meeting software. The webinar link is below.

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZWIZMzFhMzUtYzVIMS00OGVklWI1MzMtZGFiOTZiZTI4NTMw%40thread.v2/0?context=%7b%22tid%22%3a%229b3c7299-2eb4-4843-8960-907e176e653a%22%2c%22oid%22%3a%2208748324-413b-4c27-9e7e-d3a4454eae38%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZWIZMzFhMzUtYzVIMS00OGVklWI1MzMtZGFiOTZiZTI4NTMw%40thread.v2/0?context=%7b%22tid%22%3a%229b3c7299-2eb4-4843-8960-907e176e653a%22%2c%22oid%22%3a%2208748324-413b-4c27-9e7e-d3a4454eae38%22%7d)

The webinar room will be open 1 hour in advance. You can contact LiuKai if there are any problems with the software +86-18809834369 or [294767797@qq.com](mailto:294767797@qq.com).

### 3. Coordinator:

Dr. Dai Huimin, cell phone: +86-13889825351, email: [daihuimin78@126.com](mailto:daihuimin78@126.com)

Dr. Liu Kai, cell phone: +86-18809834369, email: [294767797@qq.com](mailto:294767797@qq.com)

## Participants(to be supplemented)

No.	Title	Name	Institute
1	Dr.	<i>Zhang Daquan</i>	Shenyang Center of China Geological Survey
2	Dr.	<i>Alecos Demetriades</i>	IUGS Commission on Global Geochemical Baselines
3	Dr.	<i>Igor Savin</i>	V.V. Dokuchaev Soil Science Institute, Russian Academy of Science
4	Dr.	<i>Wang Lei</i>	British Geological Survey
5	Dr	<i>Ruslan Havryliuk</i>	Institute of Geological Sciences of the National Academy of Sciences of Ukraine
6	Dr.	<i>T.Kril</i>	Institute of Geological Sciences of the National Academy of Sciences of Ukraine
7	Dr.	<i>Shevchuk Ruslan</i>	Institute of Geological Sciences of the National Academy of Sciences of Ukraine
8	Dr.	<i>Anna Ladenberger</i>	IUGS Commission on Global Geochemical Baselines & Geological Survey of Sweden
9	Dr.	<i>Gloria Prieto</i>	IUGS Commission on Global Geochemical Baselines & Servicio Geológico Colombiano
10	Dr.	<i>Paula Adánéz</i>	IUGS Commission on Global Geochemical Baselines & Instituto Geológico y Minero de España
11	Dr.	<i>Christina Stouraiti</i>	IUGS Commission on Global Geochemical Baselines & Department of Geology and Geoenvironment, National and Kapodistrian University of Athens
12	Dr.	<i>Ariadne Argyraki</i>	IUGS Commission on Global Geochemical Baselines & Department of Geology and Geoenvironment, National and Kapodistrian University of Athens

13	Dr.	<i>Chen Shengbo</i>	Jilin University
14	Dr	<i>Fang Yunting</i>	Institute of Applied Ecology, Chinese Academy of Sciences
15	Dr	<i>Quan Zhi</i>	Institute of Applied Ecology, Chinese Academy of Sciences
16	Dr.	<i>Lu Xiaotao</i>	Institute of Applied Ecology, Chinese Academy of Sciences
17	Dr	<i>Li Guochen</i>	Institute of Applied Ecology, Chinese Academy of Sciences
18	Dr.	<i>Wang Jianhua</i>	International Black Soil Society
19	Dr	<i>Chen Shuwang</i>	Shenyang Center of China Geological Survey
20	Dr	<i>Guo Changlai</i>	Shenyang Center of China Geological Survey
21	Dr	<i>Dai Huimin</i>	Shenyang Center of China Geological Survey
22	Dr	<i>Zhang Sen</i>	Shenyang Center of China Geological Survey
23	Dr	<i>Liu Kai</i>	Shenyang Center of China Geological Survey
24	Dr	<i>Liu Guodong</i>	Shenyang Center of China Geological Survey
25	Dr	<i>Ouyang Zhaozhuo</i>	Shenyang Center of China Geological Survey
26	Dr	<i>Zhao Yan</i>	Shenyang Center of China Geological Survey