BIOCRUST 5:

Toward A Healthy Ecosystem

Institute of Soil and Water Conservation,
Northwest A&F University

Convenors: Yunge Zhao; Yuanming Zhang; Xirong Li
**Europe**
Senior biocrust scientists

**Asia**
Towards healthy ecosystems

**Proposed time:**
September in 2021

**Europe**
Biological soil crust in a changing world

**American**
Unifying cross-scales to confront global change
Biocrusts in China

Arid and semi-arid area of China:
50% territory, accounting for 8% of the global arid and semi-arid area.

Qinghai-Tibet Plateau
Ningxia, Tengger
Mu Us Sandy Land
Orchard, Loess Plateau
Biocrust species on the Loess Plateau

Species diversity
RESEARCH IN CHINA

- Gurbantunggut Desert
- Kubuqi Desert
- Tengger Desert
- Mu Us Sandy Land
- Loess Plateau
- Qinghai-Tibet Plateau
- Red soil region of South

Graph showing the number of papers from China:

- Web of Science
- CNKI

Year:
- 2001
- 2002
- 2003
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018

Number of papers from China:
- 0
- 10
- 20
- 30
- 40
- 50
- 60
Loess Plateau (proposed destination of field trip)
1984

2015

1.6 billion t/year sediment

0.18 billion t/year
Hosted by NWAFU and ISWC

Northwest A&F University:
- A key national comprehensive university, founded in 1934;
- Completely equipped with disciplines of agriculture, forestry, and water science.

The institute of soil and water conservation, CAS & MWR:
- The only national institute of soil and water conservation.
- Research about ecosystem restoration

Yangling:
- 90 km from Xi’an;
- Agricultural Silicon Valley, Birthplace of Chinese Agricultural civilization;
Convenient Transportation

XIAN international Airport within 63 mile (100 km)

Walk distance

Yangling high speed train station within 3 mile (5 km)

Yangling train station within walk distance
ACCOMMODATION

✓ Comfortable and safe living
✓ Good prices (140RMB~350RMB 20 $ ~50 $ per night)
✓ Beautiful and quiet surroundings
✓ Close to the University and meeting room
Interesting sites

Terra-Cotta Warriors

Great Wild Goose Pagoda

Xi’an City wall (Aged 500)

Hukou Waterfall
Interesting sites —— Shaanxi history museum
We would love to welcome you to Yangling in 2021!