First Announcement

The 9th International Symposium on Gully Erosion

1. Introduction

Gully erosion has been recognized as an important environmental threat throughout the world affecting several soil and land functions. There is ample physical evidence of intense gully erosion occurring at various times in the past in different parts of the world. Gullies are one of the few sources of morphological evidence in the landscape of past phases of erosion reflecting the impact of environmental change (e.g., land use, extreme climatic events).

Gully erosion represents a major sediment source although gully channels often occupy less than 5% of a catchment. The development of gullies increases runoff and sediment connectivity in the landscape, hence increasing the risk of flooding and reservoir sedimentation. Assessing the interactions between environmental change (e.g., land use, climate) and land degradation remains a key issue for environmental scientists, land managers and policy makers. Over the last decades, significant progress has been made in understanding gully morphological development, controlling factors and erosion impact. However, many research questions relating to gully erosion mechanisms, consequences of gully erosion including impact of human interactions, and conservation control measures remain unclear and represent major challenges for the scientific community. Since 2000 the International Symposium on Gully Erosion (ISGE) series has become established as the key research conference on the topic. This 9th ISGE follows earlier events that are listed below:

Number	Date	Location	Publication
1	2000	Leuven, Belgium	2003, Catena 50(2–4): 87–562
2	2002	Chengdu, China	2005, Catena 63(2):129-328
3	2004	Oxford, USA	2005, International Journal of Sediment Research 20(3,4): 157–365
4	2007	Pamplona, Spain	2009, Earth Surface Processes and Landforms 34(14): 1839–1984
5	2010	Lublin, Poland	2011, Landform Analysis 17: 3–235
6	2013	Iasi, Romania	2015, Natural Hazards 79(S1): 1–315
7	2016	West Lafayette, USA	2019, Earth Surface Processes and Landforms, Special Issue on Gully Erosion: Intergrating Monitoring, Modelling and Management
8	2019	Townsville, Australia	2023, Earth Surface Processes and Landforms, Special Issue on the 8th International Symposium on Gully Erosion

*Modified from Bennett and Wells (2019) Earth Surface Processes and Landforms 44, 46-53.

During the last International Symposium on Gully Erosion held in July 2019 at Townsville, Australia, several contemporary challenges were identified and are highlighted below:

- What are the appropriate measuring and experimental techniques to monitor the initiation and development of gullies at various temporal and spatial scales?
- What are the topographic thresholds for gully head development and channel infilling?
- Modelling the incision, development and infilling of gullies, and validation of the models in different environments.
- Prediction of gully erosion rates.
- The practical application of research findings informing land management, such as identifying effective and efficient gully prevention and gully control measures and associated policies.
- The need for more detailed studies of historical gullies, and the environmental and socio-economic conditions leading to their development, and their consequences.

The 9th International Symposium on Gully Erosion (9th ISGE) will be held in *November* 2023 in Chengdu, China and continue to conduct in-depth discussion on the latest advances of the above issues on gully erosion. The symposium could also be anticipated to greatly promote the good communications and potential academic collaborations with more than 280 national and international researchers and scholars from all over the world.

2. Objectives

This symposium seeks to bring together leading and emerging expert scientists and practitioners actively engaged in gully-erosion research in a wide range of environments and from diverse perspectives. While major themes have been selected based on key phenomena and the various methods adopted, the contributors will be asked to highlight new and innovative approaches to monitor and measure gully erosion processes, to discuss the important geomorphic, pedologic and hydrologic processes affecting gully development and evolution, to present new theory and models to predict soil losses and landscape processes, and to critically assess land-management practices and anthropogenic activities and their broader implications under intense global changes and human activities.

3. Themes

- Innovative field and laboratory techniques and approaches to gully erosion research.
- Gully development characteristics, controlling factors and erosion impacts.

- Gully erosion processes and mechanisms.
- Gully erosion modelling and prediction.
- Gully erosion and landscape evolution due to anthropogenic and climatic forcing.
- Gully erosion control, land management and their social-economic impacts.

4. Program

Friday 3 November 2023

- Arrival of participants (registration and reception)

Saturday 4 November 2023

- Opening ceremony
- Oral and poster presentations
- Gala dinner

Sunday 5 November 2023

- Oral and poster presentations

Monday 6 November 2023

- Mid-conference field trip: Visiting Gully Erosion Sites in *Wenchuan Earthquake-hit Area* and famous *Dujiangyan Irrigation System*

Tuesday 7 November 2023

- Oral and poster presentations
- Closing ceremony

Post-conference field trip (self-funded and optional)

- Route 1: Visiting *Gully Erosion Sites in Yuanmou Dry-hot Valleys* and *Qionghai Lake in Xichang City* (Three days trip)
- Route 2: Visiting the world-famous scenic spot *Jiuzhaigou National Park* (Three days trip)
- Route 3: Visiting the world heritage sites *Leshan Giant Buddha and Mt. Emei* (Two days trip)

5. Organizers

- Organizer: Institute of Mountain Hazards & Environment, Chinese Academy of Sciences
- Co-organizers: To be updated

6. Scientific Committee

- Scott Wilkinson (CSIRO Land and Water,)
- Robert Wells (United States Department of Agriculture)
- Anita Bernatek-Jakiel (Jagiellonian University)
- Matthias Vanmaercke (KU Leuven)
- Javier Casalí (Public University of Navarre)
- Sean Bennett (University at Buffalo)
- Valentin Golosov (Laboratory for Soil Erosion and Fluvial Processes)
- Wojciech Zglobicki (Maria Curie-Skłodowska University)
- FU Bojie (Research Center for Eco-Environmental Sciences, CAS)
- CUI Peng (Institute of Mountain Hazards & Environment, CAS)
- LI Rui (Institute of Soil and Water Conservation, CAS)
- CAI Qiangguo (Institute of Geographic Sciences and Natural Resources, CAS)
- ZHANG Xinbao (Institute of Mountain Hazards and Environment, CAS)
- LIU Baoyuan (Beijing Normal University)
- ZHENG Fenli (Northwest Agriculture and Forest University)
- YU Xinxiao (Beijing Forestry University)
- LI Zhanbin (Xi'an University of Technology)
- HUANG Yanhe (Fujian Agriculture and Forestry University)
- CAI Chongfa (Huazhong Agricultural University)
- ZHANG Guanghui (Beijing Normal University)

- NING Duihu (International Research and Training Center on Erosion and Sedimentation)
- ZHANG Xingyi (Northeast Institute of Geography and Agroecology, CAS)
- WANG Wenlong (Northwest Agriculture and Forest University)
- DUAN Xingwu (Yunnan University)

7. Organizing Committee

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8. Important Dates

- First Announcement released on *20th, April 2023*
- Registration and abstract submission available till *20th, June 2023*
- Notification of acceptance of abstracts before *20th, July 2023*
- Second Announcement released on *24th, July 2023*
- Third Announcement released on *16th, October 2023*
- Arrival of participants (registration & reception) on *3rd, November 2023*

9. Abstract submission

Persons who wish to present a paper or poster at the symposium are asked to submit a concise abstract focusing on one of the symposium topics using web page (*https://gullyerosion2023.casconf.cn/*) or by e-mail (*gullyerosion2023@imde.ac.cn*). The abstract should not exceed one A4 page and should be accompanied by 3-5 keywords. All abstracts should be produced in Word, using TNR 12 font, single spacing and 2.5 cm margins, following the template provided later in webpage.

The abstract should provide the screening committee with sufficient information on the content of the proposed paper. Introductory and general information should not be included. If accepted by the Scientific Committee, the abstracts will be reproduced in the Book of Abstracts.

Given the number of papers anticipated and the need to provide ample time for discussion, the number of papers that can be accepted for oral presentation will be limited. Authors who would prefer to present their papers in a poster session are requested to indicate this preference on the form provided later. Authors will be informed by *20th July 2023* whether their papers have been accepted for oral or poster presentation.

The size of the poster should not exceed 1.5 m (vertical) length and 1.0 m (horizontal) width. A participant can submit a maximum of two abstracts as the lead or presenting author.

10. Registration Fee

All persons wishing to participate in the 9th International Symposium on Gully Erosion - 2023 are requested to register online in advance using "*https://gullyerosion2023.casconf.cn/*" web page (Under Construction). In addition, they must complete a Participation Form provided

later and forward this with copies of payment documents by e-mail to *gullyerosion2023@imde.ac.cn*.

The registration fee includes:

- Access to conference, exhibition and poster sessions
- Lunch, refreshment breaks and gala dinner as scheduled in the conference program
- Book of abstracts
- Mid-conference field trip during the symposium

It does not cover the fee for post-conference trip. Detailed payment method would be given later.

	Early Bird (Before 20th August, 2023)	After 20th August, 2023	Onsite registration
Regular participant	US$300 (¥2000)	US$350 (¥2200)	US$400 (¥2400)
Student	US$150 (¥1000)	US$200 (¥1200)	US$250 (¥1400)
Accompanying person*	US$120 (¥800)	Same as early bird	Same as early bird

* The accompanying person's fee only includes Lunch and Dinners during the conference.

The Local Organizing Committee will be pleased to provide pro forma letters of invitation to the symposium, to assist participants in applying for financial support to attend the meeting. These letters of invitation provide no financial commitment on the part of the Organizing Committee. The Local Organizing Committee will not be able to provide financial support to participants.

Please register as soon as possible after receiving confirmation of acceptance of your abstract.

Accommodation is not included in the registration fee! Payment of the registration fee is requested to complete online system. Please indicate your name and add the words "Gully Erosion 2023" in the message box. Invoices will be issued either by the e-mail after receiving the payment confirmation or at the registration desk on site.

11. Accommodation

Detailed information on accommodation and other administrative details will be provided by both the second announcement and the symposium website in advance of the symposium.

12. Working Language

The working language of the symposium will be English.

13. Symposium Secretariat

If you have any queries regarding Symposium, please do not hesitate to contact one of these colleagues:

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