

Badlands Working Group



Past activities:

The Badlands Working Group continued with the similar activities during the 2022. The Forth International Online Badlands Workshop took place on May 19th 2022 with around 40 participants and three lectures. The first was given by Anita Bernatek-Jakiel, Jagiellonian University (Poland) on piping erosion in badlands, second by Juan Antonio Ballesteros Cánovas, Museo Nacional de Ciencias Naturales (Spain) on soil erosion and tree rings and the third one by Caroline Le Bouteiller, French National Institute for Agriculture, Food, and Environment (INRAE) (France) about the Draix-Bleone observatory and the connection between badland erosion, weathering and vegetation.

The Fifth International Online Badlands Workshop took place on December 20th 2022 with around 30 participants and three lectures. The first talk was given by Ci-Jian Yang, GFZ German Research Centre for Geosciences Telegrafenberg, Potsdam (Germany) on badland landscape in Taiwan, second by Mauro Rossi Istituto di Ricerca per la Protezione Idrogeologica, Consiglio Nazionale delle Ricerche, Perugia (Italy) on the topographic thresholds for gully head formation in badlands, and the third lecture was by Fran Domazetović “University of Zadar (Croatia), on assessing the long-term soil erosion intensity by the multi-sensor approach.

At the European Geoscience Meeting we organized a session SSS11.11 within Divisions of Soil System Science and Geomorphology “New challenges in measuring geomorphological dynamics and estimating erosion rates in badland areas” with 16 presentations. Convener was Manel Llena with co-conveners: Milica Kašanin-Grubin, Alberto Bosino, Paolo Tarolli, Peiqing Xiao and Estela Nadal Romero: <https://meetingorganizer.copernicus.org/EGU22/session/42491>.

Forthcoming activities:

For the next period we have planned several activities:

- The Sixth Badlands International Online Badlands Workshop is planned for May 2023. We are planning to have three presentations at this event. The date and speakers will be defined until the end of April 2023. We would like to distribute the invitation through the mailing list once the program is complete. Special thematic online workshop on badlands in Brazil will be held in the second half of May. For this occasion, talks will be given by Saulo Vital, Universidade Federal da Paraíba, Antonio Guerra, Coordinator do Laboratory of Environmental Geomorphology and Soils Degradation, Ivamauro Soussa, Federal Department of Geography, University of Rio Grande do Sul, and possibly more colleagues from Brazil. The workshop will be broadcasted on Youtube. We would like to distribute the invitation through the mailing list once the program is complete.
- The subgroup led by Alberto Bosino University of Pavia, Italy, will continue to develop the methodology for the badlands inventory.
- At the EUGEO23 Association of European Geographical Societies meeting in September 4-7 2023 in Barcelona, we will have a session “Advances in the study of badlands and gully systems” and organizers are Mariano Moreno De Las Heras; Milica Kašanin-Grubin; Ona Torra Truncal; Estela Nadal Romero; Francesc Gallart <https://www.eugeobcn23.eu/sessions/?id=1165>.
- We are planning to have a session at the Regional Conference on Geomorphology, Cappadocia, Türkiye, September 12th-14th 2023. Tolga Gorum, Technical University in Istanbul, Turkey, is planning to organize a post-conference field trip.