

DENUCHANGE Working Group



Past activities:

- WG DENUCHANGE virtual business and planning meeting was organized on May 18, 2022. In total 19 participants from 10 different countries participated in the meeting. During the meeting ongoing and future activities of the Working Group were discussed. A detailed report can be found at <http://www.geomorph.org/denuchange-working-group-4/>.
- WG DENUCHANGE co-organized a scientific session GM4.1 Hillslope and fluvial processes and associated source-to-sink fluxes and sedimentary budgets under changing climate and anthropogenic impact at the EGU General Assembly 2022, 23-27 May 2022 in Vienna, Austria (<https://meetingorganizer.copernicus.org/egu22/sessionprogramme#>). Conveners: Achim A. Beylich, Katja Laute, Dongfeng Li, Ana Navas, Olimpiu Pop.
- WG DENUCHANGE virtual business and planning meeting was organized on June 29, 2022. In total 15 participants from 11 different countries participated in the meeting. During the meeting ongoing and future activities of the Working Group were discussed. A detailed report can be found at <http://www.geomorph.org/denuchange-working-group-4/>.
- DENUCHANGE session section was organized as part of the Thematic Session 5 on Forms, Processes and Landscape Change during the IAG International Conference on Geomorphology in Coimbra, Portugal, 12-16 September 2022 (<https://meetingorganizer.copernicus.org/ICG2022/sessionprogramme#>). Conveners: Achim A. Beylich, Luca Mao, Osmar Carvalho, Roberto Verdum, Adélia Nunes. WG DENUCHANGE business meeting took place during the conference.
- A joint paper of the DENUCHANGE WG was published in 2022: Cendrero, A., Remondo, J., Beylich, A.A., Cienfiala, P., Forte, L.M., Golosov, V.N., Gusarov, A.V., Kijowska-Strugała, M., Laute, K., Li, D., Navas, A., Soldati, M., Vergari, F., Zwolinski, Z., Dixon, J.C., Knight, J., Nadal-Romero, E., Płaczkowska, E. (2022): Denudation and geomorphic change in the Anthropocene; a global overview. *Earth-Science Reviews*, 233, 104186. <https://doi.org/10.1016/j.earscirev.2022.104186>.
- A special issue of the *Geomorphology* journal (Elsevier) Denudation under changing environment at different spatial and temporal scales was opened in Autumn 2022 (<https://www.sciencedirect.com/journal/geomorphology/about/call-for-papers#denudation-under-changing-environment-at-different-spatial-and-temporal-scales>). This special issue is dedicated to DENUCHANGE members and invited colleagues.

- WG DENUCHANGE virtual business and planning meeting was organized on January 18, 2023. In total 17 participants from 11 different countries participated in the meeting. During the meeting ongoing and future activities of the Working Group were discussed. A detailed report can be found at <http://www.geomorph.org/denuchange-working-group-4/>.
- 3rd IAG DENUCHANGE Workshop was organized at the University of Haifa, Israel on March 13-16, 2023 (<https://denuchange.wixsite.com/denuchange2023>). Organizers: Nurit Shtober-Zisu, Lea Wittenberg. WG DENUCHANGE business meeting took place during the workshop. In total 39 participants from 11 countries participated in the workshop and 25 participants from 9 countries participated in the business meeting. IAG funded two grants for Young Geomorphologists to participate in the 3rd IAG DENUCHANGE Workshop to Axel Cerón-González (Poland) and Eliza Płaczkowska (Poland).

Forthcoming activities:

- A special issue of the Geomorphology journal (Elsevier) dedicated to DENUCHANGE members and invited colleagues will be closed on May 31, 2023.
- WG DENUCHANGE submitted a thematic session entitled Denudation and Environmental Changes in Different Morphoclimatic Zones to the 2023 IAG Regional Conference which will be held at Capadoccia, Turkey, on September 12-14, 2023.
- The publication of the book with the participation of the DENUCHANGE members is planned. The book is entitled Climate and Anthropogenic Impacts on Earth Surface Processes in the Anthropocene and will be edited by Beylich, Tarrío, Li, Oliva, and Morellon. In Autumn 2023 the call for book chapters will be closed.
- 4th IAG DENUCHANGE Workshop is planned for 2024 in Italy.