



**Thematic session 5: Forms, Processes and Landscape Change** chaired by Achim A. Beylich, Katja Laute, Adélia Nunes and Olimpiu Pop on 15 September



Waldemar Kocłuba

Geomorphic Change  
Caused by Flood  
at Scott River  
Alluvial Fan  
(SW Svalbard)

UNIVERSIDADE  
COIMBRA

CONFERENCE ON GEOMORPHOLOGY  
COIMBRA - PORTUGAL  
12-16 September 2022  
«GEOMORPHOLOGY AND GLOBAL CHANGE»

**Anthropocene erosion dynamics and sediment connectivity in a central Italy landscape with badlands**

Francesca Vergari, Francesco Troiani, Marco Cavalli, Hazel Faulkner, and Maurizio Del Monte

UNIVERSITÀ DI ROMA  
CNIR  
Consiglio Nazionale delle Ricerche  
Middlesex University London

P201

## The IAG Working Group on Denudation and Erosion Changes

### in Different Morphoclimatic Zones (DENUCHANGE)

Scientific need, activities and outcomes since the year 2017

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#### BACKGROUND AND NEED

The working group on *Denudation and Erosion/Change in Different Morphoclimatic Zones* (DENUCHANGE) was set up as a new working group of the International Association of Geomorphologists (IAGG) during the International Conference on Geomorphology, 5-11 November 2017, Karlsruhe, Germany.

The key question of DENUCHANGE is:

**What are the contemporary chemical and mechanical denudation rates in different morphoclimatic zones on the Earth?**

Denudation is controlling, at a range of temporal scales, both the specific- and the global-scale evolution of the Earth's surface. The better understanding of erosional forces, and associated geomorphological and geomorphic denudation metrics, internally and extrinsically controls geomorphological and geomorphic evolution of the Earth's surface. One of the first wave an improved knowledge of denudation and erosion processes controlling landscape evolution, and land processes such as the (denudation) is fundamental and between tectonics and biogeography, such as a range of different selected critical geomorphic variables affect the rates of geomorphological changes. One of the first wave an improved knowledge of denudation and erosion processes controlling landscape evolution, and land processes such as the (denudation) is fundamental and between tectonics and biogeography, such as a range of different selected critical geomorphic variables affect the rates of geomorphological changes. One of the first wave an improved knowledge of denudation and erosion processes controlling landscape evolution, and land processes such as the (denudation) is fundamental and between tectonics and biogeography, such as a range of different selected critical geomorphic variables affect the rates of geomorphological changes.

As defined by the DENUCHANGE:

- Provides a detailed compilation of contemporary

contemporary chemical and mechanical (denudation basin) denudation rates. It is defined and clearly defined by the IAGG Working Group on Denudation and Erosion/Change in Different Morphoclimatic Zones (DENUCHANGE).

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• Addresses the key questions for denudation/erosion changes, and associated geomorphological and geomorphic denudation metrics, internally and extrinsically controls geomorphological and geomorphic evolution of the Earth's surface. One of the first wave an improved knowledge of denudation and erosion processes controlling landscape evolution, and land processes such as the (denudation) is fundamental and between tectonics and biogeography, such as a range of different selected critical geomorphic variables affect the rates of geomorphological changes.

#### DENUCHANGE ACTIVITIES AND OUTCOMES

• DENUCHANGE was established in the IAGG Working Group on Denudation and Erosion/Change in Different Morphoclimatic Zones (DENUCHANGE) during 27 September 2018 and 1 October 2018.

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Presentation by Olimpiu Pop