



## **IAG DENUCHANGE business and planning meeting (virtual meeting)**

**13 April 2021, 15:00-17:00 CEST**

### **Meeting summary report**

#### **Business meeting participants**

Achim A. Beylich (Norway)

Antonio Cendrero (Spain)

Piotr Cienciala (USA)

John C. Dixon (USA)

Monique Fort (France)

Valentin Golosov (Russia)

Artyom Gusarov (Russia)

Małgorzata Kijowska-Strugala (Poland)

Jasper Knight (South Africa)

Waldemar Kociuba (Poland)

Katja Laute (Norway)

Dongfeng Li (Singapore)

Luca Mao (UK)

Małgorzata Mazurek (Poland)

Ana Navas (Spain)

Eliza Płaczkowska (Poland)

Olimpiu T. Pop (Romania)

Juan Remondo (Spain)

Nurit Shtober-Zisu (Israel)

Gianluca Tronti (Italy)

Zbigniew Zwoliński (Poland)

### **Welcome of meeting participants**

Achim A. Beylich (Norway) opened the meeting and welcomed all business meeting participants. In total 21 participants from 12 different countries participated in the business meeting.

### **DENUCHANGE field test site catalogue and video presentations**

Katja Laute (Norway) presented her ideas on the creation of a DENUCHANGE field test site catalogue and of DENUCHANGE field test site video presentations. The DENUCHANGE field test site catalogue shall be prepared as an interactive PDF-file including short and well illustrated presentations of all accepted DENUCHANGE field test sites. Each presented field test site shall be linked to an interactive map. Dongfeng Li (Singapore) offered to help with preparing this map. The DENUCHANGE field test site catalogue shall be prepared and published by October 2021. Katja Laute will send an email with more detailed information and a call for material (photos, summary texts) within the next weeks.

The idea to prepare video presentations on DENUCHANGE field test sites, field work activities at these field sites and defined key themes of DENUCHANGE was well received and this idea will be developed further over the coming months. Katja Laute will get back to all DENUCHANGE members with further information on the process.

## **DENUCHANGE field test site presentations**

Waldemar Kociuba (Poland) provided short presentations of his three DENUCHANGE field test sites in Spitsbergen (Scott River, Reindeer Creek and Tyvjobekken Creek) and of his Polish DENUCHANGE field test site Stocki Creek.

By 22 April 2021 in total 35 DENUCHANGE field test sites have been accepted for the DENUCHANGE field test site network.

## **Development of the EC COST Action proposal related to IAG DENUCHANGE**

Achim A. Beylich (Norway) and Olimpiu T. Pop (Romania) had a first COST Action proposal planning meeting on 11 March 2021. Possible candidates to be invited to the proposal were discussed during this meeting. They have received confirmations from colleagues from Bulgaria, Hungary and Serbia (additional colleagues from outside the current group of DENUCHANGE members) for participation in the EC COST Action proposal related to IAG DENUCHANGE.

A COST Action proposal core group with invited colleagues from Bulgaria (Ahinora Baltakova), Hungary (Timar Gabor), Israel (Nurit Shtober-Zisu), Italy (Francesco Comiti), Norway (Achim A. Beylich, Katja Laute), Poland (Zbigniew Zwoliński, Małgorzata Mazurek), Romania (Olimpiu T. Pop), Serbia (Milica Kasanin-Grubin), Spain (Ana Navas) and UK (Luca Mao) has been formed and this core group will have a first COST Action proposal developing meeting (Skype) in early May 2021.

All DENUCHANGE members and a number of additional international colleagues will be invited to participate in the COST Action proposal. The deadline for submission of the COST Action proposal related to IAG DENUCHANGE is 29 October 2021.

## **DENUCHANGE synthesis and review papers**

Achim A. Beylich informed about an invitation by John F. Shroder, Editor in Chief, Treatise on Geomorphology (2<sup>nd</sup> Edition, Elsevier). DENUCHANGE members are invited to contact John F. Shroder for discussion of possible book chapters for the Treatise on Geomorphology (2<sup>nd</sup> Edition) (Elsevier). He is particularly interested in a review book chapter prepared by the DENUCHANGE group. John F. Shroder can be contacted by email: [jshroder@unomaha.edu](mailto:jshroder@unomaha.edu). A direct invitation has also been sent by John F. Shroder to all DENUCHANGE members.

Joanna Gudowicz (Poland) is in contact with all colleagues that have provided catchment data for the DENUCHANGE SWAT modelling project. In the coming weeks she will start with working on SWAT modelling for those catchments where SWAT modelling has never been done before: Erdalen

(Norway), Sulden/Solda (Italy), Estero Morales (Chile), Tuotuohe (China) and Sullivan Creek (USA). A modelling plan will be sent soon, including the work schedule: Data collection, modelling steps, output data and calibration.

Achim A. Beylich (Norway) is preparing a first outline for his DENUCHANGE synthesis/review paper (Beylich et al.) on *Drivers of contemporary denudation in different morphoclimates*. The outline will be sent to DENUCHANGE members soon. It is planned to submit this multi-authored DENUCHANGE synthesis/review paper to *Nature Reviews Earth & Environment*.

Antonio Cendrero (Spain) presented updated information on his synthesis paper on *Denudation, global change and the Anthropocene* (Cendrero, Remondo, Forte et al.). The current paper draft and various inputs from DENUCHANGE members were discussed. A new draft of this synthesis paper will be sent to all DENUCHANGE members in May 2021.

#### **DENUCHANGE scientific session at EGU 2021 (vEGU21 Gather Online, 19-30 April 2021)**

Achim A. Beylich informed about the upcoming (29 April 2021, 15:30-17:00 CEST) scientific session GM4.13 Denudation, land cover dynamics and sedimentary source-to-sink fluxes under changing climate and anthropogenic impacts (co-organized by the IAG WG DENUCHANGE, co-sponsored by IAG, and including 20 accepted presentations with a solicited presentation by A. Cendrero, J. Remondo and L. Forte on Denudation, global change and the Anthropocene) at EGU 2021 (vEGU21 Gather Online, 19-30 April 2021). All important session details can be found at <https://meetingorganizer.copernicus.org/EGU21/session/40271>.

#### **Next DENUCHANGE business meeting**

The next IAG DENUCHANGE business meeting will take place as a virtual meeting on 3 June 2021, 15:00-17:00 CEST. The ongoing discussions will be continued and taken further during this upcoming business meeting. Achim A. Beylich will invite to this virtual meeting in the second half of May.

Selbustrand, 22 April 2021

Achim A. Beylich