The 11th Workshop of the IAG/AIG SEDIBUD

(SEDiment BUDgets in Cold Environments) Working Group

"*Relationships between climate change, vegetation cover and sediment fluxes in high latitude/high altitude cold environments*"

Research Station of the Babeş-Bolyai University, Baru (Hunedoara County, Romania)

September 5 – 8, 2017

The 11th Workshop of the IAG/AIG SEDIBUD (SEDiment BUDgets in Cold Environments) Working Group "*Relationships between climate change, vegetation cover and sediment fluxes in high latitude/high altitude cold environments*" was held on September 5 – 8, 2017 at the Research Station of the Babeş-Bolyai University, Baru (Hunedoara County), Romania and was organised jointly by researchers from Babeş-Bolyai University, Faculty of Geography, Laboratory of Dendrochronology in Cluj-Napoca and West University of Timisoara, Department of Geography in Timisoara. A total number of 28 participants originating from eight countries (10 universities and research institutes) attended the SEDIBUD 2017 workshop at its last edition. Two grants of 250 euros have been awarded by the International Association of Geomorphologists (I.A.G./A.I.G.) to the young geomorphologists Sonya Stoyanova (Bulgaria) and David Krause (Czech Republic), who took part in the workshop. In Day 1 (September 6th, 2017), two sessions with oral presentations followed by one session with poster presentations have been organised, during which the debates concerned the past and present-day sediment transfer and deposition in various cold environments of the high-mountains and high-latitude areas worldwide, as well as the effectiveness of geomorphic processes operating under the influence of environmental factors (climate, vegetation, anthropogenic activity etc.). A field trip was organized next day in alpine areas of Mija glacial valley, Parâng Mountains (Southern Carpathians), during which the participants had the opportunity to be introduced within the morphoclimatic context of the alpine areas of the Southern Carpathian Range. The hiking trail followed the main crest, slope and valley floor to the Mija cirque lake, crossing several sites with various examples of landforms and deposits shaped by the past and present-day geomorphic process activity (debris flows, snow-avalanches, rock avalanches, rock glaciers etc.).

Further information on the workshop and on SEDIBUD (2005-2017) Working Group can be found at http://www.geomorph.org/sedibud-working-group/.

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Photo 1. Mija glacial valley, view towards the NE from Cârja Peak (2405 m a.s.l.) (photo by Olimpiu Pop).

Photo 2. The alpine area of Parang Mountains, Southern Carpathians, view towards the Mija glacial valley, cirque and lake (photo by Flaviu Mesesan).

Photo 3. Group of participants near the Mija glacial lake (photo by Flaviu Mesesan).