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(Departamentul de Geografie)

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## Temă de cercetare

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Cartografierea semi-automata, orientata-obiect, a alunecarilor de teren

## Publicații

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- A. C. Ardelean, A. Onaca, P. Urdea, R. Șerban, **F. Sirbu**, (2015) A first estimate of permafrost distribution from BTS measurements in the Romanian Carpathians (Retezat Mountains), Géomorphologie : relief, processus, environnement;
- A. Onaca, A. C. Ardelean P. Urdea, R. Șerban, F. Ardelean, **F. Sirbu** (2015) Detection of mountain permafrost by combining conventional geophysical methods and thermal monitoring in the Retezat Mountains, Romania, Cold Regions Science and Technology 119 (2015) 111–123

## Conferințe

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- **F. Sirbu**, A. Onaca, Permafrost probability map for the Southern Carpathians, International Conference on Geomorphology, New Delhi, India, 6-11 November 2017
- **F. Sirbu**, L. Dragut, A. Onaca, Using Random Forest to model permafrost distribution, International Conference on Permafrost, Potsdam, Germany, 20-24 June 2016
- A. Onaca, M. Necsoiu, F. Ardelean, **F. Sirbu**, B. Magori, Slow geomorphologic evolution of rock glaciers in marginal periglacial environment of Southern Carpathians Romania, American Geophysical Union Fall Meeting, San Francisco, United States of America, 12-16 December 2016
- **F. Sirbu**, A Onaca, Using Random Forest to model permafrost distribution in Retezat Mountains, Southern Carpathians, Romania, *International conference Methodological challenges in geography*, West University of Timișoara, Timișoara 15-16 May 2015;

- B. Magori, F. Ardelean, A. Onaca, **F. Sirbu**, Using generalized linear models (GLM) to assess the distribution of different rock glaciers typologies in the Retezat Mountains, *The International Symposium Geography in the context of sustainable development, Simpozionul Internațional Geografia în Contextul Dezvoltării Durabile*, West University of Timișoara, Timișoara 15-16 May 2015;
- P. Urdea, **F. Sirbu**, A. Onaca, B. Magori, „ The influence of microtopography on the ground surface temperature of Judele rock glacier, Retezat Mountains, Southern Carpathians (Romania)”, EUCOP4 4th European Conference on Permafrost, Portugal, Evora 18 – 21 June, 2014;
- P. Urdea, A. Onaca, B. Magori, **F. Sirbu** – Inventarul ghețarilor de pietre din Carpații Meridionali; Al XXX-lea Simpozion Național de Geomorfologie „Relevance of Geomorphology to society. Achievements and Propects”, 29-31 mai 2014, Orșova,
- P. Urdea, A. Onaca, A. C. Ardelean, R. Șerban, **F. Sirbu**, Permafrost existence in rock glaciers of the Southern Carpathians (Romania), *the 8 -th IAG International Conference on Geomorphology*, Paris 27 -31 August 2013;
- A. Onaca, R. Șerban, A. C. Ardelean, **F. Sirbu**, Geomorphologic aspects of rock streams in the Southern Carpathians, *The International Symposium Geography in the context of sustainable development, Simpozionul Internațional Geografia în Contextul Dezvoltării Durabile*, West University of Timișoara, Timișoara 17-18 May 2013;
- A. Onaca, P. Urdea, A. C. Ardelean, R. Șerban, **F. Sirbu**, New data on the distribution and characteristics of Rock Glacier related permafrost in the Southern Carpathians, *The XXIX-th National Symposium on Geomorphology*, University Ștefan cel Mare Suceava, Suceava 31 May- 1 June 2013;
- C. Ardelean, A. Onaca, **F. Sirbu**, B. Magori, R. Șerban, Permafrost distribution modeling by statistical analyses of BTS data: central part of Retezat and Parâng Mountains, *Al XXVIII-lea Simpozion Național de Geomorfologie*, Universitatea de Vest din Timișoara, Bara 14-17 Iunie 2012;.

## Burse de studiu

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- Erasmus+ Placements: Universitatea de sud-est din Blagoevgrad, Bulgaria, Facultatea de Stiinte ale Naturii, 20.07.2016 – 20.09.2016
- Erasmus+ Placements: Universitatea din Szeged, Laboratorul de datare prin termoluminiscenta, Szeged, Ungaria, 11.01.2016 – 11.03.2016
- Erasmus+: Universitatea din Szeged, Facultatea de geografie, Szeged, Ungaria, 01.09.2014 – 31.01.2015
- CEEPUS: Universitatea Jagiellonia, Institutul de geografie și planificare teritorială, Departamentul de SIG, cartografie și teledetecție, Cracovia, Polonia, 01.03.2014 – 31.05.2014
- Erasmus: Universitatea din Utrecht, Facultatea de geografie, Utrecht, Olanda, 1.09.2011 – 31.01.2012