

Titlul tezei de doctorat

Scaling in landslide scarp detection

Lista articolelor/studiilor în extenso, publicate în reviste din fluxul științific internațional principal

Zona roșie

J. C. Laso Bayas, L. See, I. Georgieva, D. Schepaschenko, O. Danylo, M. Dürauer, H. Bartl, F. Hofhansl, R. Zadorozhniuk, M. Burianchuk, **F. Sîrbu**, B. Magori, K. Blyshchyk, V. Blyshchyk, A. H. Rabia, C. K. Pawe, Y.-F. Su, M. Ahmed, K. Panging, O. Melnyk, O. Vasylyshyn, R. Vasylyshyn, A. Bilous, S. Bilous, K. Das, R. Prestele, A. Pérez-Hoyos, K. Bungnamei, A. Lashchenko, M. Lakyda, I. Lakyda, O. Serediuk, G. Domashovets, Y. Yurchuk, M. Koper, S. Fritz (2022) *Drivers of tropical forest loss between 2008 and 2019*. *Sci Data* **9**,146. <https://doi.org/10.1038/s41597-022-01227-3>

L. See, I. Georgieva, M. Duerauer, T. Kemper, C. Corbane, L. Maffeni, J. Gallego, M. Pesaresi, **F. Sîrbu**, R. Ahmed, K. Blyshchyk, B. Magori, V. Blyshchyk, O. Melnyk, R. Zadorozhniuk, M. T. Mandici, Y.-F. Su, A. H. Rabia, A. Pérez-Hoyos, R. Vasylyshyn, C. K. Pawe, S. Bilous, S. B. Kovalevskyi, S. S. Kovalevskyi, K. Bordoloi, A. Bilous, K. Panging, V. Bilous, R. Prestele, D. Sahariah, A. Deka, N. Nath, R. Neves, V. Myroniuk, M. Karner, S. Fritz (2022) *A crowdsourced global data set for validating built-up surface layers*. *Sci Data* **9**, 13. <https://doi.org/10.1038/s41597-021-01105-4>

A. Onaca, F. Ardelean, C. Ardelean, B. Magori, **F. Sîrbu**, M. Voiculescu, E. Gachev (2019) *Assessment of permafrost conditions in the highest mountains of the Balkan Peninsula*, *Catena* **185** (2020) 104288. <https://doi.org/10.1016/j.catena.2019.104288>

Zona galbenă

Sîrbu, F., Drăguț, L., T. Oguchi, Y. Hayakawa, M. Micu *Scaling land-surface variables for landslide detection*. *Prog Earth Planet Sci* **6**, 44 (2019). <https://doi.org/10.1186/s40645-019-0290-1>

A. Onaca, A. C. Ardelean, P. Urdea, R. Șerban, F. Ardelean, **F. Sîrbu** (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. <https://doi.org/10.1016/j.coldregions.2015.08.001>

Zona gri

C. Ardelean, A. Onaca, P. Urdea, R. Șerban, **F. Sîrbu**, (2015) *A first estimate of permafrost distribution from BTS measurements in the Romanian Carpathians (Retezat Mountains)*, *Géomorphologie : relief, processus, environnement*, vol. 21 – no 4 (2015) pp 297-312. <https://doi.org/10.4000/geomorphologie.11131>

Lista publicațiilor in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

Vasile, M., **Sîrbu, F.**, Popescu, R., Micu, D., and Micu, M.: Review on deep-seated landslides in the Carpathians under climate variability/change and their implication in hazard assessment, EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, EGU22-348, <https://doi.org/10.5194/egusphere-egu22-348>, 2022.

Sîrbu, F., Poncos, V., Strozzi, T., Onaca, A., Teleaga, D., and Birtas, D.: On the dynamics of rock glaciers in marginal mountain permafrost (Retezat Mountains, Romania)., EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, EGU22-7826, <https://doi.org/10.5194/egusphere-egu22-7826>, 2022.

Sîrbu, F., Onaca, A., Ardelean, F., Magori, B., and Urdea, P.: Present state of marginal mountain permafrost in South Eastern Europe, EGU General Assembly 2020, Online, 4–8 May 2020, EGU2020-20066, <https://doi.org/10.5194/egusphere-egu2020-20066>, 2020

A. Onaca, A. Ardelean, B. Magori, M. Voiculescu, F. Ardelean, E. Gache, and **F. Sîrbu** (2019) Permafrost investigations in the Rila and Pirin Mountains, Bulgaria Geophysical Research Abstracts Vol. 21, EGU2019-5864, 2019 EGU General Assembly 2019

F, Sîrbu, L. Dragut, T. Oguchi, and Y. Hayakawa (2018) The influence of data scaling in modelling landslide scarps Geophysical Research Abstracts Vol. 20, EGU2018-7894, 2018 EGU General Assembly 2018

Sîrbu, F., Drăguț, L., Oguchi, T., Hayakawa, Y., Micu, M. (2018) Sensitivity of land-surface variables to scale in identifying landslide scarps. Proceedings Geomorphometry 2018, Boulder, Colorado, USA, August 13-17 2018.