

Analysis and Forecasting of Romanian Seismicity (AFROS) Project: Meeting presentations and scientific papers by the project members

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Papers published in research journals (with peer-review):

Dinescu R., Ghica D., Popa M., Munteanu I., Radulian M., Discrimination between tectonic and anthropic events in Targu-Jiu quarry region (Romania), Proceedings Conference: 11th Congress of the Balkan Geophysical Society, DOI: 10.3997/2214-4609.202149BGS86, 2021 (INDEXED BDI)

Placinta, A.O., Borleanu, F., Popescu, E., Radulian, M., Munteanu, I. (2021), Earthquake source properties of a lower crust sequence and associated seismicity perturbation in the SE Carpathians, Romania, Collisional Setting. *Acoustics*, 3, 270–296 (Editor: C. W. Lim), <https://doi.org/10.3390/acoustics3020019> (With thanks to AFROS project; INDEXED ISI).

Placinta, A.O., Borleanu, F., Popescu, E., Radulian, M. (2021), Source parameters, clustering and scaling properties for the Vrancea (Romania) subcrustal earthquakes recorded between 2016 and 2018, *XXIth International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2021* (accepted for publication in the conference volume). Cu mulțumiri/With thanks to AFROS (INDEXED BDI).

Ghita C., Raicu R., Constantinescu E. G., Moldovan I. A., (2021) Estimating the magnitude of completeness and spatial variation of seismic *b* value for Vrancea area (Romania), crustal earthquakes for the last three decades, *XXIth International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2021*; With thanks to AFROS (UNDER REVISION IN JOURNAL INDEXED BDI).

Shimojo, K., Enescu, B., Yagi, Y. and Takeda, T., Nucleation process of the 2011 northern Nagano earthquake from nearby seismic observations. *Scientific Reports*, **11**, 8143 (2021). <https://doi.org/10.1038/s41598-021-86837-4> (With thanks to AFROS; ISI Journal)

Toader, V-E; Mihai A.; Moldovan, I-A; Ionescu, C.; Marmureanu, A.; Lingvay, I.; (2021), Implementation of a Radon Monitoring Network in a Seismic Area. *Atmosphere*, **12**(8) 1041, Academic Editor: Cucos (Dinu) Alexandra, doi:10.3390/atmos12081041 (With thanks to AFROS; ISI Journal).

Zheng, Y., Enescu, B., Zhuang, J.C., and Yu, C. (2021). Data replenishment of five moderate earthquake sequences in Japan, with semi-automatic cluster selection,

Earthquake Science, **34**, doi:[10.29382/eqs-2021-0030](https://doi.org/10.29382/eqs-2021-0030) (With thanks to AFROS; ISI Journal).

Presentations at scientific meetings:

Dinescu, R., Ivan, M., Munteanu, I., Radulian, M. (2021), Seismic discrimination of anthropic and tectonic events in the Targu-Jiu quarry area (Romania), ESC 2021, online, prezentare poster (With thanks to AFROS).

Dinescu R., Ghica D., Popa M., Munteanu I., Radulian M. (2021), Discrimination between tectonic and anthropic events in Targu-Jiu quarry region (Romania), 11th Congress of the Balkan Geophysical Society, 2021 (oral presentation) (With thanks to AFROS).

Enescu, B. and Takeda, Y. (2021), Systematic Investigation of Dynamic Earthquake Triggering in Japan, *EGU General Assembly 2021*, 19–30 Apr 2021, EGU21-2548, <https://doi.org/10.5194/egusphere-egu21-2548> (online meeting).

Enescu, B., Takeda, T., and Miyazawa, M. (2021), Dynamic Triggering of Earthquakes in Volcanic and Geothermal Areas Before and After the 2011 M9.0 Tohoku-oki Earthquake, December 2021, *AGU Meeting*, S41A-02 (oral presentation).

Enescu, B., Moldovan, I-A., Ionescu, C., and the AFROS Team (2021), Analysis and Forecasting of Romanian Seismicity (AFROS) Project: Aim and Preliminary Results, *AGU Meeting*, NH25A-0542 (poster presentation) (With thanks to AFROS)

Mihai. A., Moldovan, I-A., Toader V. E., Radulian. M. (2021), The geomagnetic field variations recorded in Vrancea zone during 2000-2008 and the seismic energy release, *Bucharest University, Faculty of Physics 2021 Meeting, Atmosphere and Earth Science*, (online meeting).

Mihai, A. Roban, R.D., Toader, V.E., Lingvay, I., Ciogesc, O. (2021), Downhole lithological profile of Ramnicu Valcea seismic site based on drill cuttings, *XXI International Multidisciplinary Scientific GeoConference SGEM 2021* (oral presentation).

Opris, A., Kundu, S., Hatano, T. (2021), Imaging the spatio-temporal variations in deep tremor activity using cluster analysis techniques, *EGU General Assembly 2021*, NH4.4, (online meeting).

Placinta, A.O., Borleanu, F., Popescu, E., Radulian, M. (2021), Source parameters, clustering and scaling properties for the Vrancea (Romania) subcrustal earthquakes recorded between 2016 and 2018, *XXIth International Multidisciplinary Scientific*

GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2021 (poster presentation) (With thanks to AFROS).

Ghita C., Raicu R., Constantinescu E. G., Moldovan I. A., (2021) Estimating the magnitude of completeness and spatial variation of seismic *b* value for Vrancea area (Romania), crustal earthquakes for the last three decades, *XXIth International Multidisciplinary Scientific GeoConference Surveying, Geology and Mining, Ecology and Management – SGEM 2021* (poster presentation) (With thanks to AFROS)

Borleanu F., Petrescu L., Seghedi I., Thomas C., De Siena L. Spatial variations of scattering and absorption features in the crust of the Eastern Carpathians and surroundings, revealed by attenuation tomography, (2021), *The 2021 International Lithosphere Program (ILP) Sedimentary Basins Task Force (VI)*, 17-19 November, 2021, Rueil Malmaison, Franta (prezentare poster) (With thanks to AFROS).