

ACTIVITIES OF SERBIAN SCIENTISTS IN EUROPLANET

A. NINA¹, M. RADOVANOVIĆ², L. Č. POPOVIĆ³, A. ČERNOK⁴,
B. MARINKOVIĆ¹, V. SREČKOVIĆ¹, A. KOVAČEVIĆ⁵, J. RADOVIĆ⁶,
V. ČELEBONOVIĆ¹, I. MILIĆ ŽITNIK³, Z. MIJIĆ¹, N. VESELINOVIĆ¹,
A. KOLARSKI

¹*Institute of Physics Belgrade, University of Belgrade, Serbia*

²*Geographical Institute Jovan Cvijić SASA, Belgrade, Serbia*

³*Astronomical Observatory, Belgrade, Serbia*

⁴*Royal Ontario Museum, Center for the applied planetary mineralogy,
Toronto, ON, Canada*

⁵*Department of astronomy, Faculty of Mathematics, University of Belgrade,
Serbia*

⁶*Faculty of Physics, University of Belgrade, Serbia*

E-mail: sandrast@ipb.ac.rs

The Europlanet Society, an organization that promotes the advancement of European planetary science and related fields, has 10 hubs. The Serbian Europlanet Group (SEG) is included in the Europlanet South Eastern European Hub (ESEEH) and has 20 active scientists.

In this work, we present activities of SEG. Primarily, we describe two EUROPLANET meetings organized in the Petnica Science Center: training school "Geology and geophysics of the solar system bodies" and workshop "Integrations of satellite and ground-based observations and multi-disciplinarity in research and prediction of different types of hazards in Solar system" (Nina et al., 2019) that took place in 2018 and 2019, respectively. Besides, we present other activities that were primarily aimed at connecting SEG members coming from eight institutions and the promotion of EUROPLANET and ESEEH organizations.

Acknowledgments. The authors acknowledge funding provided by the Institute of Physics Belgrade, the Astronomical Observatory (the contract 451-03-68/2020-14/200002), and project No 176001 through the grants by the Ministry of Education, Science, and Technological Development of the Republic of Serbia.

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Book of abstracts, Eds.: Nina, A., Radovanović M., Srećković. V.A.: 2019, Geographical Institute "Jovan Cvijić" SASA, Belgrade.

LOWER IONOSPHERE DISTURBANCES: THEIR POSSIBLE RELATIONSHIP WITH EARTHQUAKES, AND INFLUENCE ON SATELLITE SIGNALS

A. NINA¹, S. PULINETS², P. F. BIAGI³, G. NICO⁴, V. M. ČADEŽ⁵,
S. T. MITROVIĆ⁶, M. RADOVANOVIĆ⁷, L. Č. POPOVIĆ⁵

¹*Institute of Physics Belgrade, University of Belgrade, Belgrade, Serbia*

²*Space Research Institute, Russian Academy of Sciences, Moscow, Russia*

³*Università di Bari, Physics Department, Bari, Italy*

⁴*Istituto per le Applicazioni del Calcolo (IAC), Consiglio Nazionale delle Ricerche (CNR), Bari, Italy*

⁵*Astronomical Observatory, Belgrade, Serbia*

⁶*Novelic, Belgrade, Serbia*

⁷*Geographical Institute Jovan Cvijić SASA, Belgrade, Serbia*

E-mail: sandrast@ipb.ac.rs

We present two directions in recent studies of the lower ionosphere related to natural hazards and to the satellite signal propagation. In the first part, we focus attention on variations in the short-period noise amplitude within the time period around an earthquake onset which can be considered as a possible earthquake precursor (Nina, Pulinets et al. 2020). The second part contains detailed explanations about effects of the perturbed D-region on propagation of satellite signals utilized for positioning and Earth observation purposes (Nina, Nico et al. 2019).

Acknowledgments. The authors acknowledge funding provided by the Institute of Physics Belgrade, the Astronomical Observatory (the contract 451-03-68/2020-14/200002), and project No 176001 through the grants by the Ministry of Education, Science, and Technological Development of the Republic of Serbia.

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