

Report

Geosciences Day, May 31, 2019, Bucharest, Romanian Academy

The Conference was organized under the auspices of EGU by the Mathematical Sciences Department represented by the Astronomical Institute of the Romanian Academy and the Geonomic Sciences Department represented by "Sabba S. Ștefănescu" Institute of Geodynamics of the Romanian Academy. The event took place in the Aula of the Romanian Academy in the presence of more than 150 people. The audience was formed by researchers, university professors, PhD. and Master Students, undergrad and high-school students. All these people work and study in the Earth, planetary and space sciences field, as well as related fields.

The event began with the general secretary of the Romanian Academy, Academician Professor Ioan Dumitrache addressing a warm welcome to the audience. Next, Academician Professor Mioara Manda introduced the EGU organization and the Geosciences Day concept. Also, the President of the Romanian Space Agency, Dr. Mariu-Ioan Piso highlighted the importance of geo-sciences in the current state of today's society.

The following had scientific presentations, split in two sessions, which began at 9:00 and finished at 17:30 EEST:

First session:

1. Professor, Dr. Mioara Manda (French Space Agency, Paris, France): "News from the deep Earth's interior from the satellite data";
2. Academician, Nicolae Panin (Romanian Academy): "River - sea systems, elements of the Earth's structure and factors of environmental equilibrium";
3. Professor, Dr. Liviu Mațenco (Department of Earth Sciences, Utrecht University, The Netherlands): "Coupling tectonics and sedimentary fluxes: science and social impact in Romania and neighbouring Central Europe";
4. Senior Researcher I, Dr. Carmen Ortansa Cioflan (National Institute for Earth Physics, Măgurele, România): "From seismic hazard to seismic risk";
5. Directeur de Recherche, Dr. Răzvan Caracas (Centre National de la Recherche Scientifique, Laboratoire de Géologie de Lyon, France and Centre for Earth Evolution and Dynamics, University of Oslo, Norway): "The Giant Impact that produced the Earth and the Moon";
6. Professor, Dr. (emeritus) Sabina Ștefan (Faculty of Physics, University of Bucharest, Romania): "Effects of radiative forcing due to atmospheric aerosols on Climate System's radiation budget";
7. Professor, Dr. Mirel Bîrlan (Institut de Mecanique Celeste et des Calculs des Ephemerides, Observatoire de Paris, PSL Research University, Paris, France): "Observing and modeling asteroids: morphology and internal structure";
8. Senior Researcher I, Dr. Octavian Mihai Bădescu (Astronomical Institute of the Romanian Academy, Bucharest, Romania): "Astro-geodetic determinations for geoid modeling and validation".

Second session:

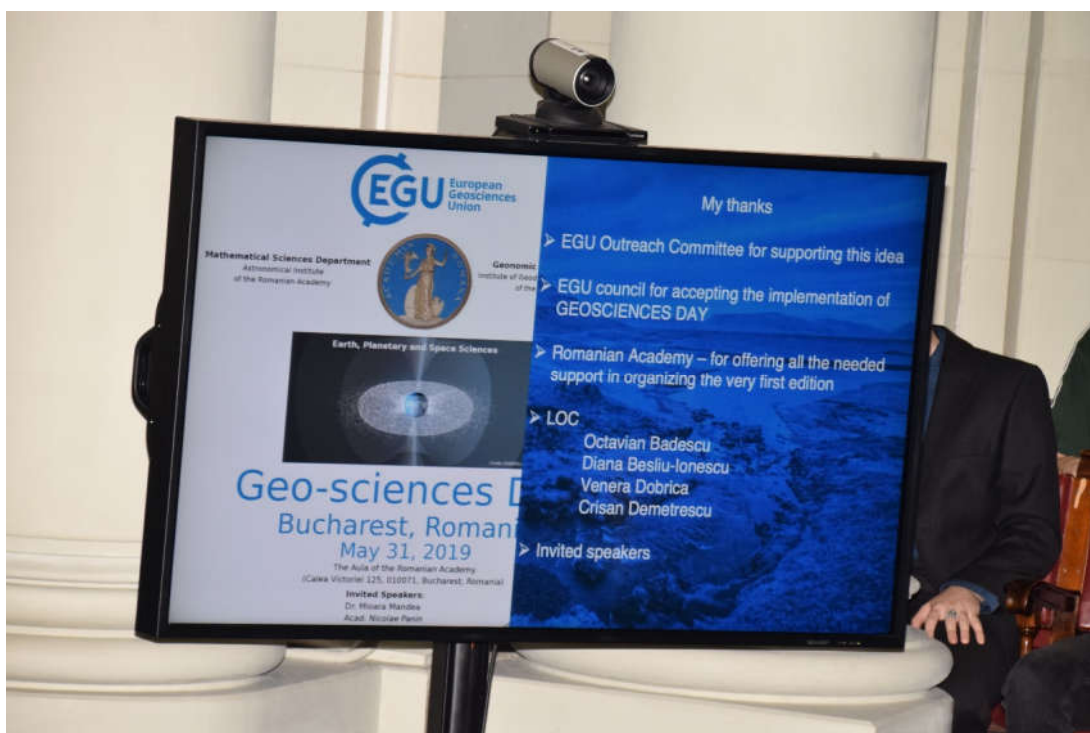
1. Senior Researcher II, Dr. Venera Dobrică ("Sabba S. Ștefănescu" Institute of Geodynamics of the Romanian Academy, Bucharest, Romania): "Geomagnetic storms and their associated geomagnetically induced currents – a space weather hazard";
2. Senior Researcher I, Dr. Mihaela Popa (The National Institute for Earth Physics, Măgurele, Romania): "Romania - seismic monitoring node in South-Eastern Europe";
3. Senior Researcher I, Dr. Marian Munteanu (Geological Institute of Romania, Bucharest, Romania): "Metal recovery from magmatic deposits of iron and associated metals: mineralogical, geochemical and technological influences";
4. Senior Researcher I, Dr. Ioan Seghedi ("Sabba S. Ștefănescu" Institute of Geodynamics of the Romanian Academy, Bucharest, Romania): "Ciomadul volcano, the youngest volcano of the Carpathian-Pannonian Region – results of the former studies and the present knowledge based on the new results";
5. Senior Researcher III, Dr. Diana Beșliu-Ionescu (Astronomical Institute of the Romanian Academy, Bucharest, Romania): "Geoeffective solar phenomena";

Each presentation was highly regarded by the audience and was followed by detail discussions.

In the evening, there was an informal session - *Geosciences Café* - located at Astronomical Institute of the Romanian Academy. Here, the participants were encouraged to follow several presentations given by the Astronomical Institute personnel and Bucharest Astro-Club members and to attend open discussions on Earth, planetary and space sciences related fields. About 100 people attended this casual session, in the historical place situated in the middle of Bucharest City that is the headquarters of the Astronomical Institute. Participants benefited by a professional guided tour of the institute, the institute's scientific infrastructure being presented. *Geosciences Café* started at 18:30 and finished at 23:00 EEST.

Images from the Aula of the Romanian Academy











Images from Astronomical Institute of the Romanian Academy



