

Stimați colegi,

În numele Universității Naționale de Știință și Tehnologie Politehnica București și a membrilor consorțiului proiectului *Competence Center for Climate Change Digital Twin Earth for forecasts and societal redressment - DTEclimate* avem plăcerea să vă invităm să participați la seminarul "Current Challenges on Public Health and Possible Solutions Supported by Earth Observation and Data Analytics" ce se va desfășura în ziua de 21 iunie exclusiv online.

Evenimentul face parte din acțiunile derulate în cadrul proiectului specific "Assessing climate change impact on the vector-borne diseases in the One-Health context - VeBDisease" coordonat de Universitatea Științele Vieții Iași și este organizat cu sprijinul Agenției Spațiale Române.

Regăsiți în continuare informații detaliate cu privire la programul evenimentului și link-ul sesiunii online.

Cu deosebită considerație,

Prof. dr. Mihai Datcu

Director de proiect

Universității Naționale de Știință și Tehnologie Politehnica București

Current Challenges on Public Health and Possible Solutions Supported by

Earth Observation and Data Analytics

21 June 2024

Objectives

With the advent of Earth Observation systems and data analytics there is a strong commitment towards making use of these valuable resources in more and more socio-economic domains. One of these is public health and many organizations around the world are making efforts to identify the current main challenges related to Global Health and Earth Observation at large with a clear aim to Increase awareness among institutional and private sector representatives, about the EO applications program and knowledge gaps in the health domain.

The same time, it is worth discussing with scientists, policy makers and industry the most pressing needs and information requirements and there is a global effort to Initiate a dialogue between stakeholders on EO applied research for health, identifying the most pressing challenges and potential synergies among current and future activities.

Last but not least, Providing users and stakeholders with Earth Observation data, resources and capabilities becomes an immediate goal and there are actions to strengthen international collaboration in the resilience domain, by addressing various health related environmental monitoring aspects with: Big Data Analytics, Artificial Intelligence, the effects of Climate Change and Pollution on Human Health, Vector Borne Diseases, Waterborne Infectious Diseases.

Presentations (09:30 – 11:00)

- The national, European and international context of Public health resilience supported by Earth observation and data analytics. Ion Nedelcu, ROSA (5')
- Competence Center for Climate Change Digital Twin Earth for forecasts and societal redressement: DTEclimate. Mihai DATCU, UNSTPB (10')
- The objective and transparent evaluation of the evidence base regarding vector-borne diseases in Romania. Liviu MIRON, USV Iasi (30')
- National relevant activities: ROADAPT – a national platform supporting adaptation to climate change. Vasile CRACIUNESCU, Meteo Romania (15')
- Continuous satellite monitoring of regional atmospheric pollutants. Monica CARA, UMF Craiova (15')
- Geospatial data, services and data analytics supporting resilience in the public health domain. Andi LAZAR, ROSA (15')

Wrap-up (11:00 – 11:30)

What are the main challenges? How can awareness be increased? What synergies can be identified in relation with other activities? What are the most relevant datasets and technologies supporting resilience in the Public Health domain