



The

EOSC Regional Event

by  **NIXOS**
Europe



Embedding

EOSC
in

Southeast Europe



SEPTEMBER 28-29, 2022

BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS

DAY 1

Room 1

9:00	Registration	
10:00	Open Science Cloud in the Southeast European region and beyond Open Science challenges and success in Hungary – Dr. István Szabó, Vice President of the National Research, Development and Innovation Office 2 decades of South-East European regional cooperation – Dr. Ognjen Prnjat, NI4OS-Europe coordinator; Director of European Infrastructures and Projects, National Infrastructures for Research and Technology (GRNET) EOSC Association: technical vision – Rene Buch, Chief Technical Officer, EOSC Association EOSC as part of the EC strategy for Open Science – Dr. Michel Schouppe, Senior expert and team leader on EOSC, Open Science Unit, DG R&I	Chair: Prof. Anastas Mishev
11:30	Coffee Break	
11:50	Pan-European Cloud: global coverage EOSC-Synergy – Dr. Ladislav Hluchý, Deputy director, Institute of Informatics, Slovak Academy of Sciences EOSC-Pillar – Jos van Wezel, International Projects Coordinator, KIT, Germany EOSC-Nordic and its regional impact – Dr. Lene Krøl Andersen, International Liaison, Computerome Panel, including NI4OS-Europe – Eleni Toli, Project Director, NI4OS-Europe; Researcher, ATHENA	Chair: Dr. Michel Schouppe
13:20	Lunch	
14:20	Capacity provisioning for EOSC Data services and DICE project – Dr. Debora Testi, DICE project coordinator, EUDAT user engagement leader, CINECA Computing services and EGI-ACE project – Dr. Gergely Sipos, Head of Services, Solutions and Support, EGI Foundation Open publishing services and OpenAIRE-Nexus project – Natalia Manola, CEO, OpenAIRE C-SCALE: Enabling Copernicus Big Data Analytics through EOSC – Dr. Christian Briesse, Managing Director, EODC	Chair: Eleni Toli
15:50	Coffee Break	
16:10	EOSC-Future and the ecosystem EOSC-Future platform: focus on Western Balkans – Dr. Anastas Mishev, Professor, Ss. Cyril and Methodius University in Skopje EOSC Working Groups – Dr. Ilias Papastamatiou, Senior Project Manager, GRNET Integrated training platforms and skills – Dr. Sonja Filiposka, Professor, Ss. Cyril and Methodius University in Skopje EOSC Promoters in NI4OS-Europe – Vasiliki Koukounidou, University Officer, University of Cyprus Library	Chair: Prof. Aneta Karaivanova

DAY 1

9:00 Registration

Room 2

11:30 Coffee Break

Life Sciences

11:50 **Life Sciences in NI4OS-Europe and the region**

– Dr. Zoe Cournia, Senior Researcher, Biomedical Research Foundation, Academy of Athens

12:05 **HPC for germline variant calling pipeline for human whole genome data**

– Dr. Mirjana Novkovic, Assistant Research Professor, Institute of Molecular Genetics and Genetic Engineering, University of Belgrade

12:20 **Understanding Epizootic rabbit enteropathy using large scale whole genome sequencing**

– Dr. Kontra Levente, Research Fellow, Hungarian University of Agriculture and Life Sciences, University of Debrecen

12:35 **Protein-membrane interfaces using ensemble machine learning**

– Dr. Alexios Chatzigoulas, Postdoctoral Researcher, Biomedical Research Foundation of the Academy of Athens

12:50 **Cloud platform for discovery of targeted drug delivery systems**

– Elena Kusevska, FCSE, Ss. Cyril and Methodious University in Skopje

EEGHUB.GE: Brain electrical activity

13:05 – Dr. Irma Khachidze, Scientist, I. Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia

13:20 Lunch

Climate & Meteorology

14:20 **Climate Science in NI4OS-Europe and the region**

– Dr. Theo Christoudias, Associate Professor, The Cyprus Institute

14:35 **Reduced precision chemical kinetics in atmospheric models**

– Kyriakos Sofokleous, PhD Student, The Cyprus Institute

14:50 **Airquality prediction service**

– Dr. Boro Jakimovski, Professor, Dean of FCSE, Ss. Cyril and Methodious University in Skopje

Computational climate science and systems in Armenia

15:05 – Dr. Hrachya Astsatryan, Head of Scientific Computing Center, National Academy of Sciences of Armenia, Yerevan

Remote sensing scene classification

15:20 – Dr. Vladimir Risojevic, Associate Professor, Faculty of Electrical Engineering, University of Banja Luka

15:50 Coffee Break

Digital Cultural Heritage

16:10 **DCH in NI4OS-Europe and the region**

– Dr. George Artopoulos, Associate Professor, The Cyprus Institute

16:55 **Platform for Digitization of Old Romanian Documents**

– Drd. Tudor Bumbu, Vladimir Andrunachievici Institute of Mathematics and Computer Science

16:25 **2D color matching of fresco fragments with HPC**

– Dr. Sofia Ivanovska, Associate Professor, Institute of Information and Communication Technologies, Bulgarian Academy of Sciences

16:40 **CHERE - Cultural Heritage Repository**

– Dr. Mihajlo Savic, Professor, Faculty of Electrical Engineering, University of Banja Luka

17:10 **A user-driven content management system for DCH: C4DCH**

– Maria Tzima, Software Developer for Data Management, The Cyprus Institute

Chair:
Dr. Zoe Cournia

Chair:
Dr. Theo Christoudias

Chair:
Dr. George Artopoulos

DAY 2

Room 1

8:30	Registration	
9:00	Policy aspects of EOSC Status of National Open Science Cloud Initiatives in SEE – Eleni Toli, Project Director, NI4OS-Europe; Researcher, ATHENA EOSC MAR and SRIA – René Buch, Chief Technical Officer, EOSC Association Mandated organisation case study: KIFÜ, Hungary – János Mohácsi, International R&D Officer, Governmental Information-Technology Development Agency (KIFÜ) NOSCI case study: Bulgaria – Dr. Aneta Karaivanova, Professor, Scientific Secretary, IICT-BAS Joint Q&A	Chair: Dr. Srna Sudar
10:30	Coffee Break	
10:50	Generic services in Southeast European region NI4OS-Europe catalogue and generic services – Dr. Dusan Vudragovic, Assistant Research Professor, Institute of Physics Belgrade Hungarian HPC offering and future plans – Dr. Tamás Máray, Head of HPC Competence Center, Governmental Information-Technology Development Agency (KIFÜ) DAEDALUS: upcoming HPC regional collaboration – Dr. Evangelia Athanasaki, Deputy Director, European Infrastructures and Projects, National Infrastructures for Research and Technology (GRNET)	Chair: Prof. Boro Jakimovski
12:20	Lunch	
13:20	NI4OS-Europe tools for service providers Pre-production environment and service onboarding – Prof. Dr. Anastas Mishev, Professor, Ss. Cyril and Methodius University in Skopje NI4OS-Europe core services – Themis Zamani, Head of Implementation Unit, European Infrastructures and Projects Directorate, GRNET Repository onboarding – Milica Ševkušić, Librarian, Serbian Academy of Sciences and Arts	Chair: Dr. Dusan Vudragovic
14:50	Coffee Break	
15:10	Closing session Open Science Cloud: Users' vision – Dr. Ljupco Pejov, Professor, Ss. Cyril and Methodius University in Skopje – Dr. Zoe Cournia, Senior Researcher, Biomedical Research Foundation, Academy of Athens	Chair: Dr. Ognjen Prnjat

DAY 2

Room 2

8:30 Registration

Computational Physics

Chair:

Dr. Bojana Koteska

- 9:00 **Computational physics in NI4OS-Europe and the region**
– Dr. Bojana Koteska, Assistant Professor, Ss. Cyril and Methodius University in Skopje
- 9:15 **A more exact interpretation of IRMPD spectroscopic data analysis**
– Blagoj Achevski, Research Assistant, Faculty of Pharmacy, Ss. Cyril and Methodius University in Skopje
- 9:45 **Engineering pharmaceutical crystals**
– Dejan Kuneski, Researcher, Department of Research and Technological Development, ALKALOID AD SKOPJE
- 10:00 **Study of magnetic properties of nanoclusters**
– Dr. Yuri Chumakov, Leading Scientific Researcher, Institute of Applied Physics of Moldova
- 10:15 **Transport in strongly interacting electron-phonon systems**
– Dr. Veljko Jankovic, Assistant Research Professor, Institute of Physics Belgrade
- 10:30 **Properties of the square-lattice Hubbard model**
– Dr. Sonja Predin, Assistant Research Professor, Institute of Physics Belgrade

10:45 Coffee Break

11:05 *Open Research Data Management tools*

Chair:

Milica Ševkušić

- Tools for researchers and support to policies**
– Dr. Branko Marović, Deputy director, RCUB, University of Belgrade
- License clearance tool**
– Panagiota Koltsida, Research Associate, ATHENA
- EOSC RoP Legal and ethics compliance with RoLECT**
– Eleni Toli, Project Director, NI4OS-Europe; Researcher, ATHENA

12:35 Lunch

Other/Inter-disciplinary Services

Chair:

Dr. Andreas Athenodorou

- 13:35 **Audio-video-based vehicle detection and speed estimation**
– Dr. Slobodan Djukanovic, Faculty of Electrical Engineering, University of Montenegro
- 13:50 **Sandpaper: exporting edge computing to EOSC**
– Dr. Katja Gilly, Associate Professor, Miguel Hernández University
- 14:05 **Open access web application for metric skeletal sex estimation**
– Dr. Chrysovalantis Constantinou, Computational Scientist, The Cyprus Institute
- 14:20 **Cloud service for automatic image mosaicking and georeferencing**
– Dr. Milutin Radonjić, Associate Professor, Faculty of Electrical Engineering, University of Montenegro
- 14:35 **Phase transition recognition using deep learning autoencoders**
– Dr. Srijit Paul, Postdoctoral Researcher, University of Edinburgh

14:50 Coffee Break

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