

Post Event Report – Slovenia Open Science Day

Country: Slovenia

Place: Four Points by Sheraton Ljubljana (hotel Mons)

Date: 14 November 2023

Format: Hybrid

National Organiser: ARNES

Executive summary

Slovenia's second National Tripartite Event (NTE) under the organisation EOSC Association's Mandated Organisation ARNES took place on 14 November in Ljubljana during the first day of the 2023 [Open Science Days](#). The [Slovenian Open Science Community](#), live at the Four Points by Sheraton Ljubljana or online via the live feed, had the opportunity to listen to the latest developments in Open Science in Europe and the consequences for Slovenia's national science landscape. The first session of the event—held in English—had an international scope, and focussed on the creation of EOSC and European Commission's contribution to the implementation of Open Science. The effects of EU Open Science initiatives in Slovenia's national science landscape were the subject of the second session, held in Slovenian. Besides EOSC success stories in Slovenia, the Open Science Days included the first national citizen science event on its second day. The Open Science Days continued the next day with the first national event on citizen science, which took place in parallel with a session on EOSC success stories.

1. Overview

The event targeted the whole of the [Slovenian Open Science Community](#), including researchers, managers of research institutions, policy makers, and (especially in its second day) citizen scientists. In contrast to the previous edition, the 2023 Open Science Days had a more national character, and only featured international speakers in its first part (held in English).

The relevance of the NTE for Slovenia was shown by the high-level speakers that opened the event: Igor Papič, Minister of Higher Education, Science and Innovation, introduced the session after the initial welcome by Peter Sterle (State secretary at the same ministry). Further introductory speeches were given by the director of the Institute of Information Sciences (IZUM) Aleš Bošnjak and ARNES' (Academic and Research Network of Slovenia) director Marko Bonač. Following this introduction, Javier López-Albacete from the European Commission and Karel Luyben representing the EOSC Association described their respective leading roles in developing and implementing policies to make EOSC a reality and in raising the voice of all Open Science stakeholders.

2. Main highlights

The Slovenian speakers highlighted the development of Open Science in the country in the recent past: The event took place in the wake of the new legislation recently approved that will have a direct effect in how science is done in Slovenia: first came the *Scientific Research and Innovation Activities Act* in 2021, followed by the *Resolution on the Slovenian Scientific Research and Innovation Strategy 2030* in 2022, complemented in 2023 with the *Decree on the implementation of scientific research work in accordance with the principles of open science* and the *Open Science Action Plan*.

In the first keynote, Javier López-Albacete (European Commission's Open Science Unit within DG RTD), gave an overview of the EC's vision of Open Science as "the new normal" for the practice of science in the EU, and the role envisioned for EOSC in the implementation of the



FAIR principles (Findable, Accessible, Interoperable and Reproducible) as best way to make this happen. EOSC was shown how it is part of a wider strategy for data that encompasses much more beyond just *research* data. The role of national policies as the necessary instruments to make Open Science happen was also discussed, highlighting EC’s leadership in steering the conversation in EU Member States. To move forward, the EC has started the implementation of the “EOSC EU node” via procured services, but to realise the vision to have a working EOSC in 2027 requires further resources, skills and support at all levels to make data FAIR.

Karel Luyben, president of the EOSC Association, described the view from the perspective of the community. As main actor in the Horizon Europe Co-Programmed EOSC Partnership, the Association is developing a plan for the implementation of EOSC after the end of the current EC funding programme. The Association’s view and preferences for who should carry out specific tasks involved in this endeavour is beginning to emerge. It is expected that decisions on the way forward will be adopted by the Tripartite Collaboration that governs EOSC—including the viewpoint of EU Member States and Associated Countries through the EOSC Steering Board—in 2024.

To close the session, Dunja Legat (director of the University Library of Maribor) described the plan of the Slovenian Open Science Community for the adoption and implementation of Open Science in the country.

3. Tripartite collaboration

European Commission: Open Science will become the “new normal” for the practice of science in the EU. The implementation of the FAIR principles (Findable, Accessible, Interoperable and Reproducible) is the way to make this happen not only for research data, but more generally for information from public institutions. The EC has led the development of OS policies and will continue to do so in cooperation with the EU Member States.

EOSC Association: The Association wants to remain as main actor representing the community after the current Horizon Europe Co-Programmed EOSC Partnership ends. To this end, it is working with research performing organisations, EU Member States, and other stakeholders, to create a plan for the implementation of EOSC.

4. Government level contributions

Provide a summary of governmental or public authorities’ (e.g., funders) key messages related to EOSC or Open Science national policies

(max. 2000 characters)

5. Relevant quotes

Include some relevant quotes to highlight the different perspectives, including from the tripartite representatives, national representatives and the community (Tip: the tweets of the event will help identify important remarks)

6. Future plans and actions¹

Identify key information about future plans and actions, and based on the presentations and discussions, elaborate a summary of the main recommendations or suggestions presented for Open Science and EOSC development.

(max. 5000 characters)

7. Use cases or practices

Indicate the cases or practices that you identify as particularly successful and illustrative of EOSC development in the country or at institutional level

(max. 3000 characters)

8. Main indicators

8.1 Indicators organisation event

Official name of the event:

Starting Date:

Ending Date:

Thematic profile (was there a specific theme to the event apart from the Tripartite collaboration?):

Target audience:

8.2 Profile of participants

Total number of participants:

In-person:

Virtual (online):

Gender (%): Male: _____ Female: _____ Other: _____

8.3 Type of participants affiliation

Research Performing Organisations: _____ (number of participants)

Research Funding Organisations: _____

Service providing Organisations: _____

Libraries: _____

Public administration: _____

Others:

8.4 Sectors (Optional)

¹ If you have access to that information, indicate short term objectives (two years' time) for EOSC development in the **country** and dissemination strategy related to the tripartite event.

Identify from the participants registration form and the attendance list, which sectors were present in your event (e.g. Health, Education, ...)

8.5 EU HE INFRAEOSC projects, dataspace or other partnerships participation

Please indicate name of projects and partners from EU funded projects that participated in your event (this question should be included in the registration form)

9. Programme and List of organisations that participated at the National Tripartite Event

Tuesday, 14 November 2023	
9.00–9.30	Registration
	Welcome speeches: Introduction to the EOSC tripartite event
	Dr. Igor Papič (Ministry of Higher Education, Science and Innovation, Minister)
9.30–9.50	Dr. Aleš Bošnjak (Institute of Information Sciences – IZUM, Director)
	Mag. Marko Bonač (Academic and Research Network of Slovenia – ARNES, Director)
9.50–10.15	Javier Lopez Albacete (European Commission, Directorate-General for Research and Innovation, Open Science and Research Infrastructures)
10.15–10.40	Karel Luyben (European Open Science Cloud Association (EOSC A))
10.40–11.00	Mag. Dunja Legat (University Library of Maribor, Director): <i>Plans of the Slovenian Open Science Community</i>
11.00–11.30	Coffee break
11.30–13.30	Changes in the evaluation of science
	Roundtable: <i>Changes in the evaluation of science in the light of open science and the European Open Science Cloud (EOSC)</i>
	Dr. Špela Stres (Public Agency for Scientific Research and Innovation of the Republic of Slovenia – ARIS, acting)
	Dr. Tomaž Boh (Directorate for Science and Innovation, acting)
	Prof. Dr. Boštjan Zalar (Jožef Stefan Institute, Director)
11.30–13.30	Prof. dr. Boštjan Markoli (University of Ljubljana, Vice-Rector for Internationalisation and Quality)
	Prof. dr. Dean Korošak (University of Maribor, Vice-Rector for Scientific Research)
	Doc. dr. Sebastian Dahle (Young Academy, EURODOC, President)
	Mag. Miro Pušnik – Moderator (Central Technical Library of the University of Ljubljana – CTK, Director)

13.30–14.30	Lunch break	
14.30–15.00	Dr. Maja Bogataj Jančič (Intellectual Property Institute, Head): <i>Copyright and the Open Data Framework for Open Science</i>	
15.00–17.00	National Infrastructure for Open Science	
15.00–15.30	Mihael Dimec in Marko Drobnjak (ARNES): <i>Arnes Open Science Infrastructure</i>	
15.30–16.45	<p>Round table: e-Infrastructure, digitalization and the principles of open science</p> <p>Dr. Jana Kolar (European Strategy Forum on Research Infrastructures, Chair)</p> <p>Ivan Marić (University of Zagreb, University computing centre – SRCE, Director, EOSC Steering Board)</p> <p>Prof. Dr Zoran Ren (Management Board of the Public Agency for Scientific Research and Innovation Activities of the Republic of Slovenia – ARIS, Chair)</p> <p>Prof. Dr. Andrej Filipčič (Jožef Stefan Institute)</p> <p>mag. Irena Vipavc Brvar (Archive of Social Science Data – ADP, Head of Area)</p> <p>Dr. Milan Ojsteršek (University of Maribor, FERI, Laboratory for Heterogeneous Processing, Head)</p> <p>Dr. Matej Praprotnik (ERC grantee, Institute of Chemistry and Faculty of Mathematics and Physics, UL)</p> <p>Peter Sterle – Moderator (Directorate for Science and Innovation)</p>	
16.45–17.00	Coffee break	
17.00–18.00	<p>Hackathon announcement: Open data, open science and supercomputing</p> <p>Marko Drobnjak (ARNES): Hackathon information</p> <p>Damjan Harisch (ARNES): From data to results using a supercomputer</p> <p>Dr. Slavko Žitnik (University of Ljubljana, FRI): Is Slovene “too small” for large language models (LLM)?</p> <p>Steve Fadden, Ph.D. (Google, UC Berkeley): Hacking Design and Data: The Secret to a Sustainable User Experience*</p>	
18.00–20.00	Social gathering	
Wednesday, 15 November 2023 – Two halls and parallel sections		
9.00–11.00	<p>EOSC success stories</p> <p>Coordination: Mag. Dunja Legat (University Library of Maribor, Director)</p>	<p>9.00–11.00</p> <p>First national event – Citizen Science</p> <p>Coordination: Mag. Miro Pušnik (Central Technical Library of the University of Ljubljana – CTK, Director) – morning and afternoon part</p>

9.00–9.30	Prof. dr. Matija Strlič (University of Ljubljana, Faculty of Arts, Laboratory for Heritage Science): <i>E-RIHS: Open data for modelling heritage collections</i>	9.00–9.30	Welcome speeches: Dr. Tomaž Boh (Directorate for Science and Innovation, acting) Mag. Miro Pušnik (Central Technical Library of the University of Ljubljana – CTK, Director)
9.30–10.00	Dr. Tomaž Erjavec (Jožef Stefan Institute): <i>Slovenian and the CLARIN.SI Research Infrastructure for Language Resources and Technologies</i>	9.30–10.30	Keynote speech by Margaret Gold (Leiden University, Laboratory for Citizen Science, Coordinator): <i>Citizen Science and Open Science/The Four Waves of Citizen Science*</i>
10.00–10.30	Prof. dr. Dean Korošak (University of Maribor, FGPA): <i>BRIUM and university autonomy in the digital transition</i>	10.30–11.00	Dr. Lucija Ažman Momirski, dr. Sanela Pansinger (ERA postdoctoral fellow, University of Ljubljana, FA): <i>Integrating Citizen Science into urban planning*</i>
10.30–11.00	Mag. Irena Vipavc Brvar (Social Science Data Archive, EOSC Future): <i>Climate-neutral and smart cities: linking data on people and their physical environment</i>		
11.00–11.30	Coffee break		
11.30–13.30	Working with open data Coordination: Mag. Irena Vipavc Brvar (Social Science Data Archive) video streaming	11.30–11.45	Dr. Daniel Doerler (BOKU – University of Natural Resources and Life Sciences, Institute of Zoology): <i>Change – the ECSA/ACSC 2024</i>
11.30–12.00	dr. Marko Petek (National Institute of Biology): <i>pISA-tree data management system</i>	11.45–12.00	Dr. Zarja Muršič (Citizen Science Ambassador): <i>Why Citizen Science matters</i>
12.00–12.30	dr. Ana Slavec (University of Primorska, FAMNIT, Innorenew): <i>Data Stewardship and Handling of Research Data – the InnoRenew CoE Experience</i>	12.00–13.30	Citizen Science projects in Slovenia: Dictionary of synonyms of modern Slovene University for the Third Age Electronic collection of Letters
12.30–13.00	dr. Ela Šegina, dr. Jasna Šinigoj (Geological Survey of Slovenia): <i>Big data management: centralisation of the sensor network</i>		

13.00–13.30			
13.30–14.30	Conclusion and lunch		Lunch
/	/	14.30–15.30	Citizen Science projects in Slovenia: CianoSLO Prostoroz Dinaricum