THE 13TH INTERNATIONAL CONFERENCE
USE OF R IN
OFFICIAL STATISTICS
BUCHAREST 2025

uRos
2025

BUCHAREST

urosconf.org

The annual event "Use of R in Official Statistics" (uRos) began in 2013 as a local conference hosted by the Ecological University of Bucharest and co-organised with the National Institute of Statistics of Romania. The first international edition followed in 2014, held at the Statistical Office of Romania.

uRos brings together statisticians, data scientists, and R enthusiasts from National Statistical Institutes, universities, and international organizations. The conference creates a dedicated space for sharing methods, tools, and reproducible workflows for official statistics, fostering collaboration and strengthening the R community within the official statistics ecosystem.

Year	Host	Countries	useRs	Mode
2013	Romania	1	12	
2014	Romania	12	24	
2015	Romania	15	50	
2016	Romania	15	29	
2017	Romania	20	43	
2018	Netherlands	32	100	
2019	Romania	30	105	
2020	Austria	16	≈300	
2021	Romania	28	≈200	
2022	Canada	24	≈250	
2023	Romania	13	54	
2024	Greece	22	92	
2025	Romania	25	90	

uRos2025 Highlights

Inspiring opening speeches	Hands-on learning sessions	Diverse research presentations	Global gathering of experts	Cross-disciplinary collaboration
2	**3**	**8**	**90**	**EMOS**
keynotes	tutorials	thematic scientific sessions with 30+ talks	participants from 25 countries	uRos meets EMOS in dedicated session

TUDOREL ANDREI
President, National Institute of Statistics, Romania

This year marks the 13th edition of the uRos conference — a series that has grown into a vibrant and respected international forum where innovation, methodological rigour, and open-source collaboration meet to advance the field of official statistics. Over the years, uRos has created a community that bridges data scientists, researchers, and statisticians committed to transparency, reproducibility, and excellence in public data.

The collaboration between academia and official statistics transforms challenges into opportunities — exploring new data sources, methodologies, and technologies that shape the statistical systems of tomorrow.

This edition of uRos is co-organized by several National Statistical Institutes — the National Institute of Statistics of Romania, together with our traditional partners, Statistics Austria and Statistics Netherlands, to whom we are pleased to welcome INSEE France and Statistics Poland as new collaborators in this year's edition.

This extended collaboration embodies a truly European partnership and for the first time, uRos features a dedicated EMOS session (European Master in Official Statistics), strengthening the bridge between universities and official statistics, and marking the beginning of a valuable partnership with Eurostat in promoting education, innovation, and professional excellence within the European Statistical System.

CIPRIAN ALEXANDRU
Ecological University of Bucharest

Ecological University of Bucharest is honored to be a co-organizer of uRos 2025, one of the most important annual events dedicated to the R community in official statistics. This year's edition will bring together researchers, data scientists, educators, and industry professionals to share innovative applications of R, promote open-source collaboration, and strengthen the ecosystem of reproducible research. By hosting and supporting uRos 2025, the Ecological University reaffirms its commitment to advancing data science education, fostering international partnerships, and encouraging the responsible use of statistical and computational tools across academia, public administration, and the private sector.

ANA-MARIA CIUHU, Romanian National Institute of Statistics

uRos2025 confirms that R is not just a tool—it is a vibrant community driving innovation and excellence in official statistics. This year's edition has grown significantly in scale, attracting more participants, more countries, and a broader range of specialised presentations, reflecting the increasing importance of open-source solutions in our field.

The diversity of topics, the quality of presentations, and the strong engagement from our international community once again demonstrated the power of the R ecosystem in official statistics. I was truly delighted to welcome participants from 25 countries, to see rooms full of advanced technical discussions, and to witness genuine collaboration between statistical offices, academia, and international organisations.

uRos is not just a conference—it is a community moment, a place where ideas converge and partnerships begin. I am already looking forward to what we will build together in the years ahead. Thank you all for your contributions, enthusiasm, and openness to share knowledge.

MAELLE SALMON
(rOpenSci:, France), Keynote speaker

I was very honored to get the invitation to uRos 2025 as I had heard of that community and recurrent conference for years. The event did not disappoint! The organizers and attendees were very friendly. I enjoyed the strong motivation to share and learn, be it during the tutorials or scientific sessions. As a bonus I was delighted to discover Bucharest. Thanks again and good luck for the next uRos events!

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BOGDAN OANCEA
University of Bucharest

The Faculty of Administration and Business of the University of Bucharest is honored to serve as co-organizer of the 13th edition of the International Conference "Use of R in Official Statistics" (uRos2025).

As a faculty deeply engaged in advancing research, education, and collaboration with the public sector, we are pleased to support a conference that promotes methodological excellence, strengthens the international scientific community, and highlights the growing importance of open-source technologies in evidence-based decision-making.

In the spirit of close cooperation between academia and public institutions, we believe that the interdisciplinary dialogue fostered by this conference will make a significant contribution to enhancing institutional capacity to integrate modern statistical methods and open-source solutions into operational processes. We are confident that the ideas, experiences, and best practices shared during uRos2025 will stimulate the development of official statistics and reinforce the connection between research, education, and data production at both national and international levels.
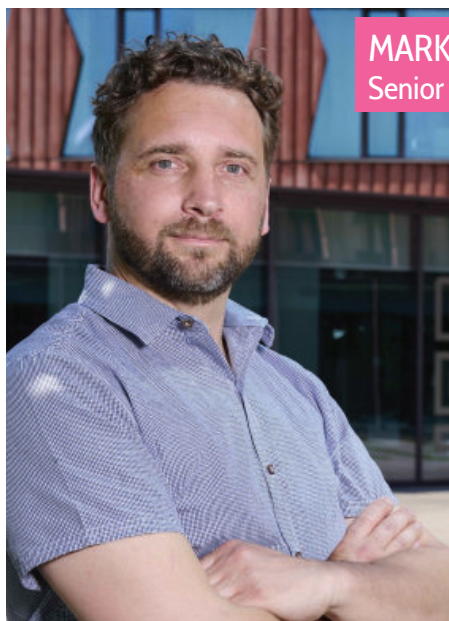
ALEXANDER KOWARIK,
Head of Statistical Methods, Statistics Austria

Since its first international edition in 2014, uRos has matured from a small gathering of selected enthusiasts into a truly pan-European (and increasingly global) community of statisticians, data scientists, and public-sector professionals advocating the use of R and open source. What strikes me most is how the conference has always had a friendly, inclusive and supportive community. At uRos, one feels not just like a participant, but like a colleague: people exchange packages, ideas and best-practices in the transition to a truly open source based statistical production process. The conference connects statistical methodology with coding culture, transparency and reproducibility, and open collaboration with other institutes.

In that regard, the recent endorsement of the Statistical Open Source Software Guiding Principles by the conference of European statisticians marks a milestone and uRos has played an important role in shaping the community and creating the momentum that made this possible.

Therefore, I am deeply grateful to the Romanian organisers and all the contributors to make every uRos edition a success. I look forward to many more editions — and to being part of this vibrant journey.

MARK VAN DER LOO
Senior Methodologist, Statistics Netherlands

For the 13th time, the use of R in official statistics (uRos) conference has managed to bring together a vibrant community of participants from 26 countries, spanning three continents, joining statistical institutes, academia, and international organizations. This 13th uRos edition marks a special occasion for uRos, as it was the first installment with a session dedicated to contributions by recent graduates of the European Master in Official Statistics (EMOS). A selection of excellent students was financed by Eurostat to join the conference, making uRos the very first (non-Eurostat) conference benefiting from this mobility programme.

For me, the uRos conference has always been at the forefront of pushing the use of open source and of R in particular, in the world of official statistics. At the heart, the open source movement is not about software. Rather, it is a culture that values transparency, collaboration, and diversity. Run by volunteers, and supported by statistical institutes that host the conference in kind, the uRos conference has always embraced these ideas. I firmly believe that the open source culture lies at the heart of its enduring success. The Romanian Statistical Institute has been instrumental in its inception and can be proud of its continued support. I have no doubt that uRos will have a great future. The next edition will be in Paris, and rumour has it that the organizers are already discussing other locations with future possible organizers!

TINA STEENVOORDEN
the EMOS Secretariat

The first collaboration between uRos and the European Master in Official Statistics (EMOS) turned out to be a great success, and on behalf of the EMOS Secretariat it was a pleasure to support this initiative. Students appreciated the opportunity to present their research in front of a professional audience and to be so warmly welcomed within the community of professionals working in official statistics. The days spent at the conference sparked new ideas and contributed to further networking opportunities.

MARIAN NECULA
National Institute of Research and Development in Biological Sciences

What makes a conference a truly special event? In the case of uROS, its distinctive value comes from its welcoming and engaging character, bringing together both early-career and experienced statistics researchers and practitioners from national statistical offices, academia, and the private sector. I have been attending uROS since 2017 and have consistently had the opportunity to explore new and challenging ideas in statistics, probability, and R programming, thanks to a vibrant, inclusive, and

exceptionally friendly community. For me, uROS will always have a reserved place in my annual calendar.

EUROPEAN MASTER IN OFFICIAL STATISTICS
EMOS

ANNA SMYK,
INSEE France

As a time series methodologist at Insee, I work in an environment where everything happens in R. I was immediately attracted to uRos because of its wonderful name "Use of R in Official Statistics"?! Wait a minute... that is exactly what I do ! The quality of the presentations and tutorials is truly impressive..so much so that I applied to make Insee the host of the 2026 edition ! I won the bid and now I expect you in Paris 18-20 November 2026.

Rendez-vous pris!

WÓJCIK SEBASTIAN,
Statistics Poland

In this edition of the Use of R in Official Statistics conference, many examples demonstrated how R is being brought from theory into practice. These included R Shiny applications designed for statisticians unfamiliar with R, as well as numerous cases of integrating R into everyday statistical production. This reflects a significant breakthrough: R has evolved from a language primarily for scientists into a language accessible to everyone.

CLAUDIU HERȚELIU,
Bucharest Academy of Economic Studies

These days, the 13th edition of the uRos2025 conference took place. If we had followed superstitious instincts – as is the case with some American hotels that avoid the 13th floor – this year we should have probably celebrated the 14th edition. However, since superstitions have no place in the scientific environment, here we are marking without hesitation the edition with the #13 tag. A figure that suggests perseverance and continuity in this case. The perseverance of the initiators and organizers is worth fully appreciated and praised; at the same time, their effort would have been futile if the central theme of the conference were not still in the attention of academia and public/ official statistics.

The conference is held under the aegis of five official statistics institutions (in alphabetical order: Austria, France, the Netherlands, Poland and Romania) and three Romanian universities: University of Economic Studies in Bucharest, University of Bucharest and Ecological University of Bucharest. I am particularly pleased to note that the faculty whose dean I am – Cybernetics, Statistics and Economic Informatics with the University of Economic Studies in Bucharest – it is among the co-organizers of this prestigious event.

The argument I bring to support this attribute is simple: less than 8% of the works and events on the conference agenda have co-authors from Romania. I have been involved, either as an organizer or as a participant, in numerous scientific conferences, and such a degree of internationalization is a rarity. It is equally rare to bring together participants from such a wide range of countries as (in alphabetical order): Armenia, Austria, Belgium, Czech Republic, Croatia, France, Germany, Greece, Italy, Iceland, Luxembourg, Malta, the Netherlands, Spain, Sweden, Switzerland, United Kingdom, United States of America and Turkey.