Lero & Open Science

Prof Brian Fitzgerald, Director

The Power of Open: The Case of Nupedia

Three years: 25 articles

One year: 25,000 articles

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Open Source Programme Office

Open Science Charter

Open Science Calendar of Events

Lero, the Science Foundation Ireland Research Centre for Software, brings together expert software teams from

and institutes of technology across Ireland in a co-ordinated centre of research excellence with a strong industry

"Lero is ranked second among software research centres worldwide for citations."

Lero's research spans a wide range of application domains from driverless cars to artificial intelligence, cybersec
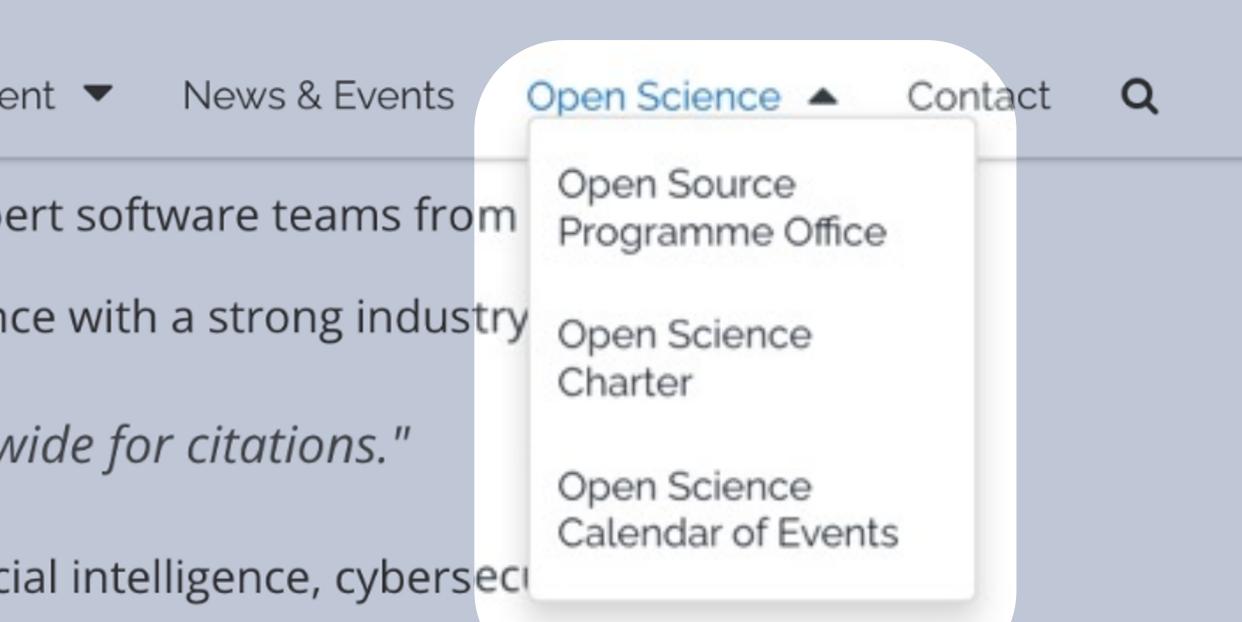
govtech, smart communities, agtech and healthtech.

"Lero partners with four of the top 10 technology companies in the world."

Hosted by University of Limerick, Lero's academic partners include Dublin City University, Trinity College Dublin,

University College Dublin, Maynooth University, National University of Ireland Galway, University College Cork,

Dundalk Institute of Technology, Munster Technological University, Waterford Institute of Technology, Technological University

of the Shannon (TUS: Midlands Midwest), and Galway-Mayo Institute of Technology.

"Lero researchers engage directly with more than 10,000 members of the public every year."

Lero's overall vision is to establish Ireland as a location synonymous with high-quality software research and development, to

the extent that 'Irish software' can enter the lexicon in the same way as 'German automotive' or 'Scandinavian design'.

"Lero has introduced software and computer science programmes in the Irish education system from primary to

graduate level."

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Open Source
Programme Office

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What is OSPO?

An Open Source Program Office (OSPO) helps an organization create and manage an open source strategy in terms of the adoption, use, support, participation, and development of open source software and is designed to be the center of competency for an organization's open source operations and structure. This can include setting code use, distribution, selection, auditing and other policies, as well as training developers, ensuring legal compliance and promoting and building community engagement that benefits the organization strategically.

The Power of Open: Open Source, Open Data, Open Science, Open Innovation.

- Brian Fitzgerald

Promote Open Source

- Comply – Use OSS components responsibly and legally

- Contribute – Give back to the OSS community

  - Publish software under Open Source license

  - Try to fix issues encountered while using an OSS component

Oversee Open Science Activities

- Provide Open Science training to Lero researchers

- Help in resolving issues encountered in adopting Open Science practices

Formulated in line with the EU's Open Science policy

To enable the 3 x Rs of research

Reuse   Redistribution   Reproduction

Eight Open Science ambitions

1. Open Data
2. European Open Science Cloud
3. New Generation Metrics
4. Future of Scholarly Communication
5. Rewards & Incentives
6. Research Integrity
7. Education and Skills
8. Citizen Science

Lero's Open Science Charter identifies **eight Open Science ambitions**

NORF
NATIONAL OPEN RESEARCH FORUM

35 researchers and librarians across **9 Partners:**

Maynooth University (Lead)
University of Limerick
University College Cork
University of Galway
Trinity College Dublin
University College Dublin
Dublin City University
SETU
RCSI

LERO

Training for Open Research in an Irish Context (TROPIC) Project (€190k)

- TROPIC will create a network of open research trainers

- Training in how to research in a trustworthy, transparent, and ethical manner to the benefit of individuals, science and society; and how to manage and use research outputs effectively

- Multidisciplinary: Psychology, Computer Science, Software Engineering, Statistics, Neuroscience, Mechanical Engineering, Public Health, Early Medieval History, Physiotherapy, Science Education, Business and Economics

- plus expertise in Research Informatics, Open Scholarly Publishing, Data Management, and Open Research support services.