



Open Source Observatory Policy Factsheet

Luxembourg

OSOR

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General Information

Luxembourg's open source incentives have focused particularly on emerging technologies, such as artificial intelligence and quantum computing, as well as in cybersecurity and education, during the recent years. The government has increased its support to open source through variety of projects and RD&I activities, rewarding initiatives and technologies using open source. National Interoperability Framework (NIF) from 2019 remains as a key framework, outlining guiding principles for interoperability in the country's public sector.

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Actors

POLICY MAKERS

The Computer Incident Response Center Luxembourg (CIRCL) provides a systematic response facility to computer security threats and incidents. CIRCL regularly contributes to free software and open source software and with a special interest in software used to improve cybersecurity.

STRATEGIC PLAYER

Luxembourg Institute of Science and Technology (LIST) is research organisation that develops competitive and market-oriented product/service prototypes for public and private stakeholders. Its 100 researchers and engineers, focuses on the digital transformation of operations in organisations with traditional environments and digital ecosystems, with the aim of improving their performance and innovation capacity.

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Policy and Legal Framework

LAW OF 6 JUNE 2025 ON THE RENEWAL OF AIDSCHEMES FOR RESEARCH AND INNOVATION

This amended State Aid regulation grants a 15% higher state aid intensity if the results of the RD&I activity are largely disseminated by creating open source software. For multi country projects, the state aid intensity can be increased by 25% for the same reason.

NATIONAL INTEROPERABILITY FRAMEWORK (NIF)

This framework established the guiding principles for enhancing interoperability in the Luxembourg public sector. It defines principles, objectives, governance and recommendations in the field of interoperability. Under the Openness principle, the NIF promotes the use of open source software solutions and declares their benefits (cost savings, interoperability, and adaptability)



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Open Source Software Initiatives

CLAUSEN PROJECT

Led by the Luxembourg House of Cybersecurity, the project creates a collaborative platform for cloud-based threat detection and mitigation. It will set up a national Open Source Promotion Office (OSPO) and contribute open source tools to national and European cybersecurity initiatives.

LUXCHAT

In November 2022, the Ministry of Digitalisation announced this instant messaging application following its ambition to provide a secure means of communication for professional communications within the public sector. Luxchat is built on a proven open standard and protocol, Matrix, and runs on redundant and secure infrastructure located in Luxembourg.

BESSER

Luxembourg Institute of Science and Technology (LIST) developed a low-modeling low-code open source platform for the project BESSER (Building bETter Smart Software fastER). The BESSER low-code platform is built on top of B-UML

MALWARE INFORMATION SHARING PLATFORM (MISP)

A open source platform for sharing, storing and correlating indicators of compromises of targeted attacks but also threat intelligence such as threat actor information, financial fraud information and more. They published their code and expertise in GitHub, where they have 92 repositories with detailed information and accessible training materials.