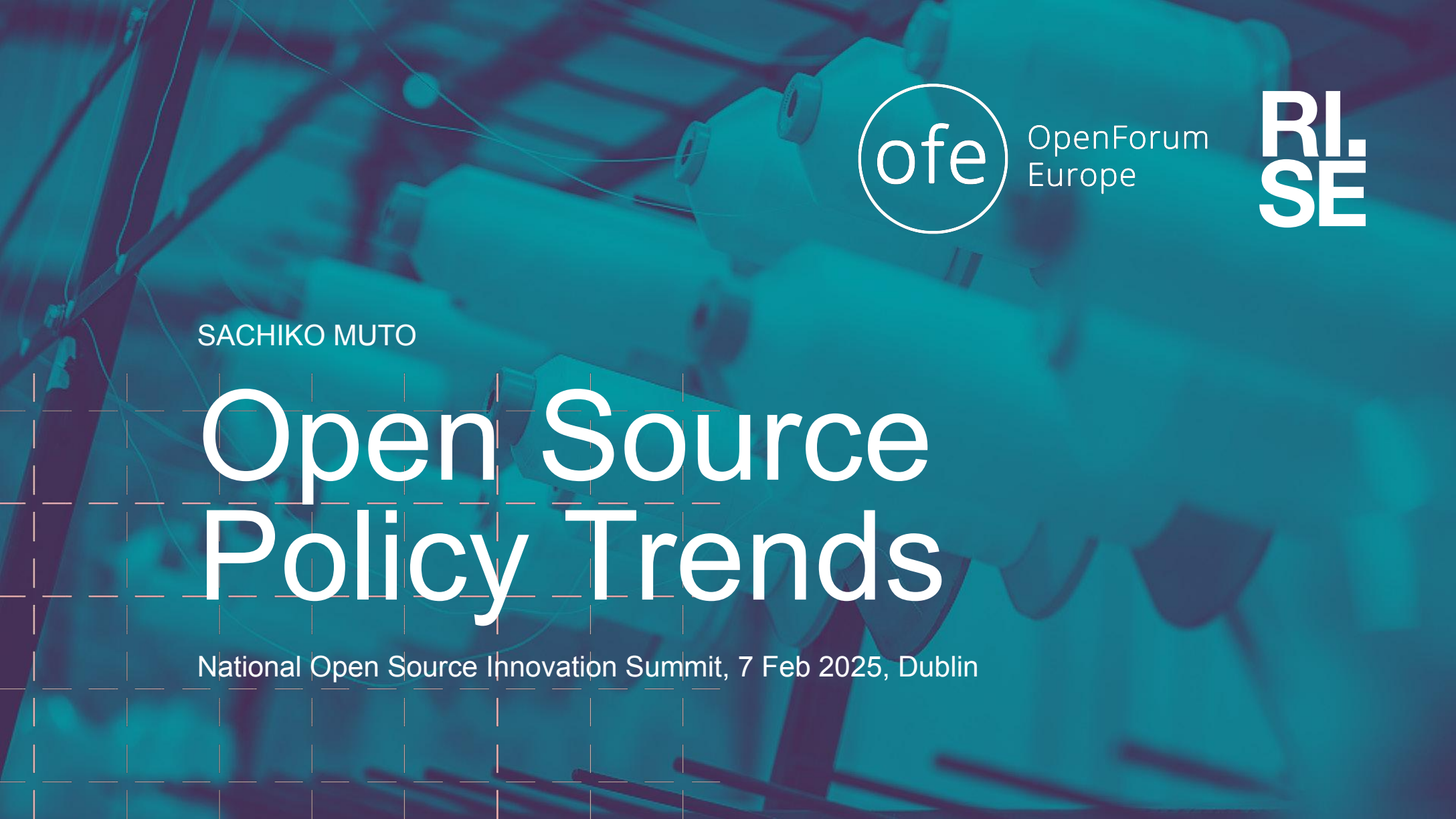

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SACHIKO MUTO

Open Source Policy Trends

National Open Source Innovation Summit, 7 Feb 2025, Dublin

Then:

Choosing open source or proprietary on the desktop

The main objective was avoiding lock-in and saving cost

Now:

All 500 of the world's supercomputers run Linux

Open Source is in 92% of all software

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Today there are two kinds of organisations:

1. **Those that *know* they depend on open source**
2. **Those that *don't (yet) know* that they do**

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Atos
SAP
DB
ING
BMW GROUP
BMW Car IT
NOKIA
DAIMLER
BOSCH
VOLKSWAGEN
Allianz
ERICSSON
Telefónica
SIEMENS
Posteitaliane
amadeus
SOCIETE GENERALE
Spotify
Deloitte.
BNP PARIBAS
orange

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Open Source Software in the Public Sector: 25 Years and Still in Its Infancy

Publisher: IEEE

Cite This

PDF

Johan Linåker ; Gregorio Robles ; Deborah Bryant ; Sachiko Muto **All Authors**

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A growing momentum since 2020

“The European Commission aims to invigorate the EU’s unique social market economy, ***promote competition and encourage SMEs*** *— our innovators and entrepreneurs. We want to bring Europe’s people together in an inclusive, open approach,* ***to find new opportunities and transition to an inclusive, better digital environment*** *that is ready for the realities of today’s global economy.* ***In all of this, open source software has a role to play.”***

The European Commission’s Open Source Strategy, 2020

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OFE's and Fraunhofer ISI's study for the European Commission

Fraunhofer ISI

ofe

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What is the value of open source?

ZDNET

Home / Tech / Services & Software / Open Source

How much are open-source developers really worth? Hundreds of billions of dollars, say economists

A new report finds that open-source technologies have huge potential, but it is still largely untapped.

Written by **Daphne Leprince-Ringuet,** Contributor

Feb. 8, 2021 at 4:12 a.m. PT

At least 260,000 OSS contributors making more than 30 million commits to Github

€65 - €95 billion to annual EU GDP

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S&P Global
Market Intelligence

Harvard Business School | Strategy

Download This Paper | Open PDF in Browser

The Value of Open Source Software

Harvard Business School Strategy Unit Working Paper No. 24-038

42 Pages • Posted: 16 Jan 2024

Manuel Hoffmann
Harvard Business School

Frank Nagle
Harvard Business School

Yanuo Zhou
University of Toronto

Date Written: January 1, 2024

side value by calculating the cost to recreate the most widely used OSS once. We then calculate the demand side value based on a replacement value for each firm that uses the software and would need to build it internally if OSS did not exist. We estimate the supply-side value of widely-used OSS is $4.15 billion, but that the demand-side value is much larger at $8.8 trillion. We find that firms would need to spend 3.5 times more on software than they currently do if OSS did not exist. The top six programming languages in our sample comprise 84% of the demand-side value of OSS. Further, 96% of the demand-side value is created by only 5% of OSS developers.

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“In the digital decade, Open Source will be a key element to achieve Europe’s resilience and digital sovereignty”, Thierry Breton

“It may be too late to replicate hyperscalers, but it is not too late to achieve technological sovereignty in some critical technology areas…we must have mastery and ownership of key technologies in Europe”, Ursula von der Leyen

PRESS RELEASE | Dec 5, 2023 | Brussels | 8 min read

Commission approves up to €1.2 billion of State aid by seven Member States for an Important Project of Common European Interest in cloud and edge computing technologies

This IPCEI will produce **significant positive spill-over effects** for the non-participating companies, competitors, and final users throughout Europe. The results and knowledge of the project will be widely shared by participant companies with the European industry and scientific community, beyond the companies and the countries that are part of the IPCEI. In particular, the participants will: (i) **beyond** their usual open-source software practices and business models, grant **permissive, non-restrictive open-source software licenses** to any interested party and **actively engage with and contribute to** the development of open-source **communities**; (ii) **provide access** to interested parties **to at least 20% of the**

Official Journal
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L series

2024/903

22.3.2024

REGULATION (EU) 2024/903 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 13 March 2024

laying down measures for a high level of public sector interoperability across the Union (Interoperable Europe Act)

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 172 thereof,

Having regard to the proposal from the European Commission,

After transmission of the draft legislative act to the national parliaments,

Having regard to the opinion of the European Economic and Social Committee ([1]),

Having regard to the opinion of the Committee of the Regions ([2]),

Acting in accordance with the ordinary legislative procedure ([3]),

Article 4
Share and reuse of interoperability solutions between Union entities and public sector bodies

A Union entity or public sector body ***shall make available to any other Union entity or public sector body that requests it an interoperability solution*** supporting a trans-European digital public service, including the technical documentation, and, where applicable, the version history, ***documented source code*** and the references to open standards or technical specifications used.

When deciding on the implementation of interoperability solutions, Union entities and ***public sector bodies shall prioritise the implementation of interoperability solutions that do not carry restrictive licensing terms, such as open source solutions***, where such interoperability solutions are equivalent in terms of functionalities, total cost, user-centricity, cybersecurity or other relevant objective criteria. The Commission shall provide support in identifying such interoperability solutions, as provided for in Article 9.

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HORIZON-CL4-2025-03-DATA-11: Open Internet Stack: development of technological commons/open-source 3C building blocks (RIA)

Call: DIGITAL - CNECT	
Specific conditions	
Expected EU contribution per project	The Commission estimates that an EU contribution of around EUR 10.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and

Expected Outcome: Projects are expected to contribute to the following outcomes:

- A publicly available and operational stack of strategic commons focusing on internet technologies for trust, transactions, connectivity, and decentralisation implementing the European vision of next generation digital infrastructures, in particular the 3Cs networks (in close cooperation with the 3Cs large scale pilots), and the wider Web 4.0.

- A library of inclusive, trustworthy, interoperable, and human-centric applications and services leveraging open-source commons building blocks which will increase the value of the network in the respect of European values. These open source solutions will be integrated and tested / validated in the 3C large scale pilot.

- A flourishing European ecosystem of contributors to digital commons– e.g., individuals, SMEs, academics - stimulated by critical challenges around sovereignty, trust, and user empowerment.

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Thank you!

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