

**FINOS**

Fintech  
Open Source  
Foundation

# Regulation Innovation SIG Kick-off Meeting

November 10th, 2020

# Agenda

1. Convene & Roll call
2. Intro to FINOS, FINOS Governance & Policies
3. Regulation Innovation SIG
  - o Charter
  - o Discussion: focus areas
4. Next steps

# Antitrust Policy Notice

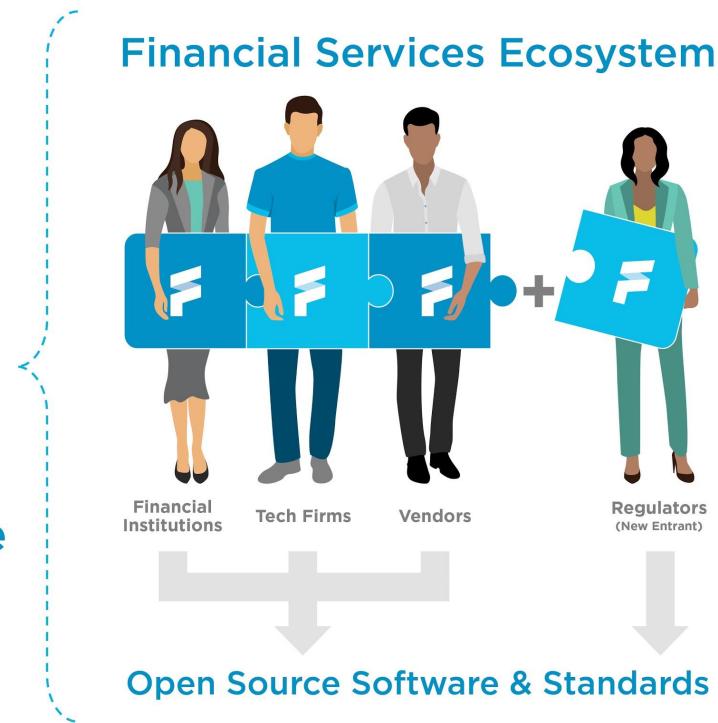
- Linux Foundation meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.
- Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at <http://www.linuxfoundation.org/antitrust-policy>. If you have questions about these matters, please contact your company counsel, or if you are a member of the Linux Foundation, feel free to contact Andrew Updegrove of the firm of Gesmer Updegrove LLP, which provides legal counsel to the Linux Foundation.

# Roll Call

Name, Organization (& Role), and Interest in the SIG

# Our goal: enable Open Source in Financial Services

**FINOS brings together all parties of the financial services ecosystem to deliver open source software and standards.**



# Regulated industries CAN collaborate...

The Foundation's governance strives for **transparency**, **neutrality** and **meritocracy**. The following policies apply to all FINOS members and activities



## Governance

Decision making and project leadership

Activity metrics

Collaboration metrics

Documentation



## Policies

[Antitrust policy](#)

[IP Policy](#)

[Conflicts of interest policy](#)



## Licenses

Open Source Licenses (e.g. Apache 2.0)

Contributor License Agreements ([CCLAs](#) or [ICLAs](#))

All policies are available at [finos.org/governance](https://finos.org/governance)

# FINOS Meetings & Collaboration

- Regulation Innovation SIG: meets bi-weekly (see [FINOS project meetings calendar](#))
- **Agenda** posted in GitHub [github.com/finos/open-regtech/issues](https://github.com/finos/open-regtech/issues) ahead of the meeting start and shared via the mailing list ([open-regtech@finos.org](mailto:open-regtech@finos.org))
- All FINOS meeting are **open for anyone to join**, as long as full name and organization affiliation is disclosed
  - Automated attendance tracking: drop a comment on the GitHub issue
- **Discussion** needs to strictly adhere to the agenda
  - Make sure you propose topics before the meeting starts (or at the beginning of the session)
  - Chatham House Rules
  - FINOS [Code of Conduct](#) & All other [FINOS policies](#) must be observed
- **Meeting minutes** shall be shared with the mailing list after the meeting. Past meeting minute approval at beginning of every session

The screenshot shows a GitHub issue page for the repository 'finos / open-regtech'. The issue is titled 'Nov 10 2020 - Regulation Innovation SIG Meeting Minutes #2'. It is an open issue created by 'aitana16' 7 days ago. The issue body contains the text 'Regulation Innovation SIG' and 'Date Nov 10 2020 - 12pm EST / 5pm GMT'. The sidebar on the right shows 'Assignees: No one—assign yourself', 'Labels: meeting', and 'Projects: None yet'.

# Regulation Innovation SIG Charter

## Regulation Innovation

Special Interest Group

<https://github.com/finos/open-regtech>

The Regulation Innovation SIG will be a **community of people interested in creating open source solutions for regulatory and compliance issues.**

Creating open source solutions to regulatory compliance is particularly important because the **market is currently using custom-built, one-off solutions, that are expensive, inefficient, and costly to manage and update over time.**

### Proposed Lead

**Lead:** David Ehrich, AIR  
**Co-Lead:** Ian Hollowbread, ING Bank

### Confirmed Participants

Simon Holt, JPM  
John Mark Walker, Capital One  
Simon Hull, Adaptive  
David Cowland, Fidelity

### Related FINOS Initiatives (if applicable)

[Alloy](#)  
[Cloud Service Certification](#)  
[Morphir](#)

### Target Audience

Financial Institutions  
(i.e. Compliance, Architects, Tech)

Innovative Regulators  
(i.e. FCA, BOE, FINRA, CFTC etc)

Tech & Advisory Community  
(i.e. RegTechs, consultants)

### Value Prop

Efficiency

Standardisation & Transparency

Interoperability

Potential focus areas

Digital Regulatory Reporting, AML, Horizon Scanning

Possible solutions

Taxonomy, Data Ontology, API Standards, App Directory, SSO Certification, Interoperability

Sign up for updates at [finos.org/open-regtech](https://finos.org/open-regtech)

# Discussion

- Topics of interest:
  - Interoperability - AML
  - Digital Regulatory Reporting
  - Taxonomies - Horizon Scanning
  - Payments
  - Data privacy
  - Data standards
  - ...
- Any existing work or code that can be leveraged?

# Next steps

- Subscribe to the mailing list: email [open-regtech+subscribe@finos.org](mailto:open-regtech+subscribe@finos.org)
- Raise an issue at <https://github.com/finos/open-regtech/issues>
- Email
  - [david@regulationinnovation.org](mailto:david@regulationinnovation.org)
  - [ian.hollowbread@ing.com](mailto:ian.hollowbread@ing.com)
  - [tosha.ellison@finos.org](mailto:tosha.ellison@finos.org)
  - [aitana.myohl@finos.org](mailto:aitana.myohl@finos.org)
- Next meeting: November 24th at 12pm ET / 5pm GMT



**12 & 13 NOVEMBER 2020**

**REGISTER HERE**

# Appendix

# What is FINOS?

The Fintech Open Source Foundation (FINOS) is an **independent, non-profit membership organization** whose purpose is to **accelerate** collaboration and **innovation in financial services** through the adoption of Open Source software, standards and best practices.



# FINOS

# FINOS Community by the Numbers

## PLATINUM



## GOLD



## SILVER



## ASSOCIATE



15

Active Open Source Projects  
and SIGs

22

Incubating Open Source  
Projects and SIGs

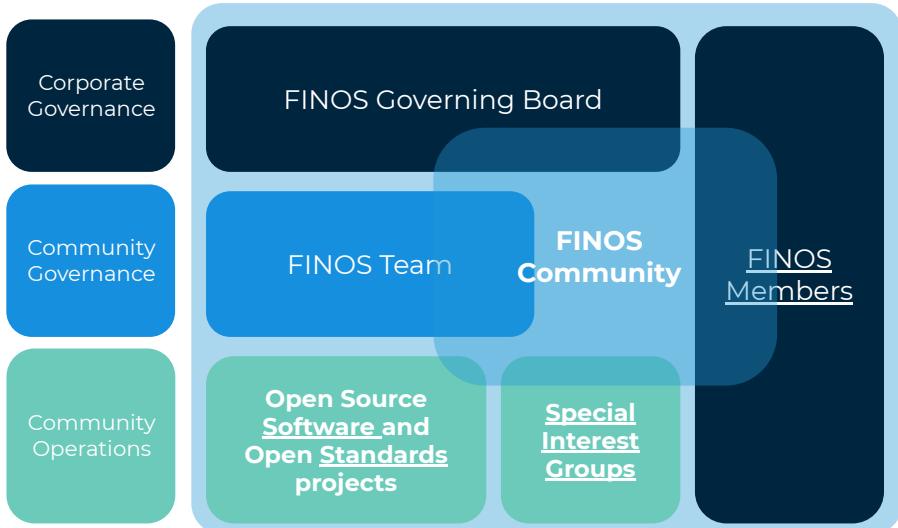
350+  
Contributors

37

Corporate and Associate  
Members

# A Transparent, Robust and Flexible Governance

- FINOS hosts **40+ collaborative Open Source Software and Open Standards projects**
- The [\*\*FINOS Governance\*\*](#) provides a **robust framework** that enables **secure, compliant collaboration** in **regulated industries**
- FINOS policies and templates are **flexible** and can be tailored to projects' need for autonomy
- A **meritocratic, governance-by-contribution** model enables transparent, independent operations under the oversight & steering of the FINOS Governing Board
- All FINOS Projects leverage, the [\*\*Open Developer Platform\*\*](#), and FINOS Focus Projects receive additional support from the **FINOS team**



# Why projects choose FINOS vs going it alone

## Technical Infrastructure



**Technical Infrastructure & Tooling.** FINOS handles not only Github/Gitlab set-up and maintenance but also provides CI/CD tooling (the [Open Developer Platform](#)) to accelerate compliant, secure developer commits and pull requests.

**Security Scanning.** FINOS uses WhiteSource integration to scan repositories for [CVEs](#) coming from third-party dependencies, via GitHub Issues or via email.

**Migration.** For projects not already open sourced, FINOS assists with the legal and technical inspection required to prepare a project code base to be open sourced under the Apache 2.0 license (the preferred license of the foundation).

## Community



**Ready and Growing Community.** Rather than build a developer community from scratch, FINOS projects plug into a [vibrant community](#) across over 30 Projects.

**OSS Enabled Community.** FINOS is trusted by the largest financial institutions to enable their developers to participate in open source projects in a compliant way.

**Product Management and Marketing Support.** FINOS supports programs in their development of roadmaps and feature prioritization. FINOS also helps with promoting projects to both contributors and end-users including press releases, microsites, social media, webinars, and in person events.

## Legal & Governance



**Neutrality.** FINOS provides a neutral home and governance for industry standards and open source projects.

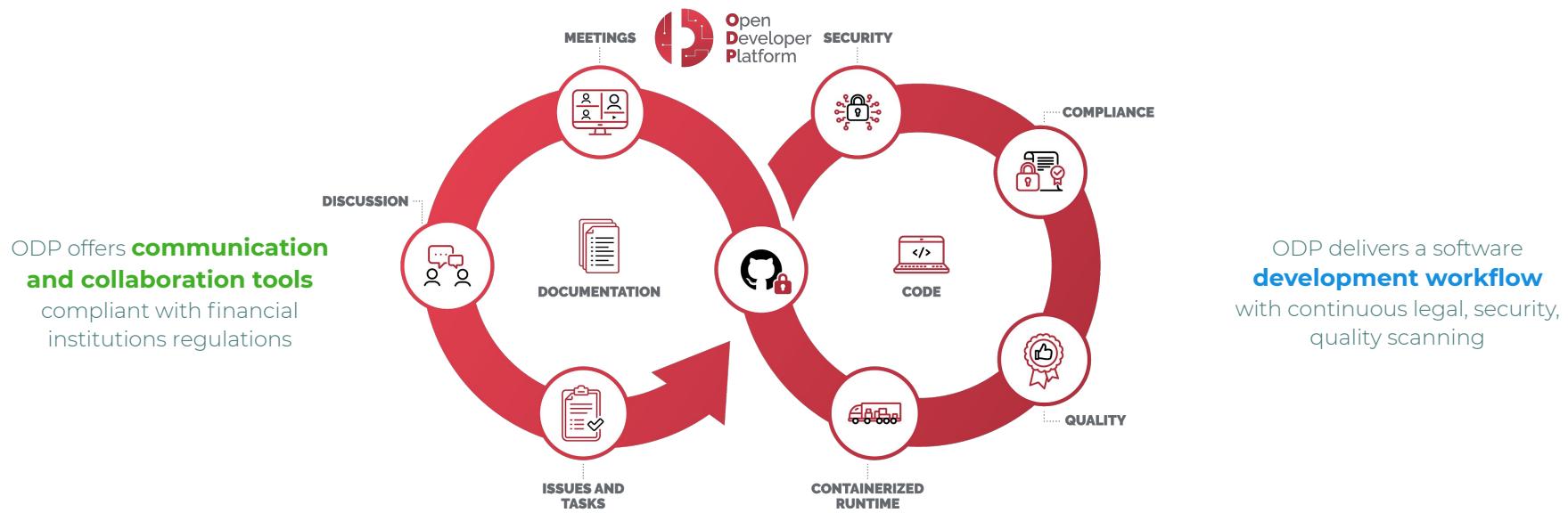
**Open Source Readiness.** Our [Open Source Readiness \(OSR\)](#) project supports your journey towards Open Source.

**IP Validation.** FINOS handles the licensing agreements with developers -- and our CI/CD tooling checks they are in place upon commit.

**Governance.** FINOS [provides](#), monitors, and helps (gently) enforce "rules of the road" to foster community, promote contribution, and encourage meritocratic development based on quantity and quality of pull requests, not who shouts the loudest.

# The FINOS Open Developer Platform

The Open Developer Platform (ODP) project provides a collection of **services**, **tools** and **best practices** that deliver a secure and compliant **collaboration and development workflow** across all FINOS hosted projects.



For more information, visit [odp.finos.org](http://odp.finos.org) and join the next [ODP project meeting](#).

# FINOS helps firms become “Open Source Ready”

The purpose of the OSR Project is to **accelerate our members' journeys toward Open Source Readiness**

Financial services firms face **unique obstacles** to collaborate in the open:

**Legal & regulatory concerns**

**Lack of internal policies**

**Cultural friction**

**Heavily restricted technology environments**

We support financial services firms every step of the way through our **Open Source Readiness Project**, providing guidance and tools for participants at every stage of Open Source maturity:

## Meetings

The biweekly OSR Meetings are open to participants at every stage of open source readiness. Each meeting focuses on a particular Open Source topic, introduced by a reading or presentation, followed by a discussion and "office hours" where members can raise issues and get answers.

## Resources

### Reference OS Policy

Template for a comprehensive open source software policy for a financial services institution, including sample provisions governing the acquisition and use of OSS, and contribution to OSS projects.

### OS License Compliance Handbook

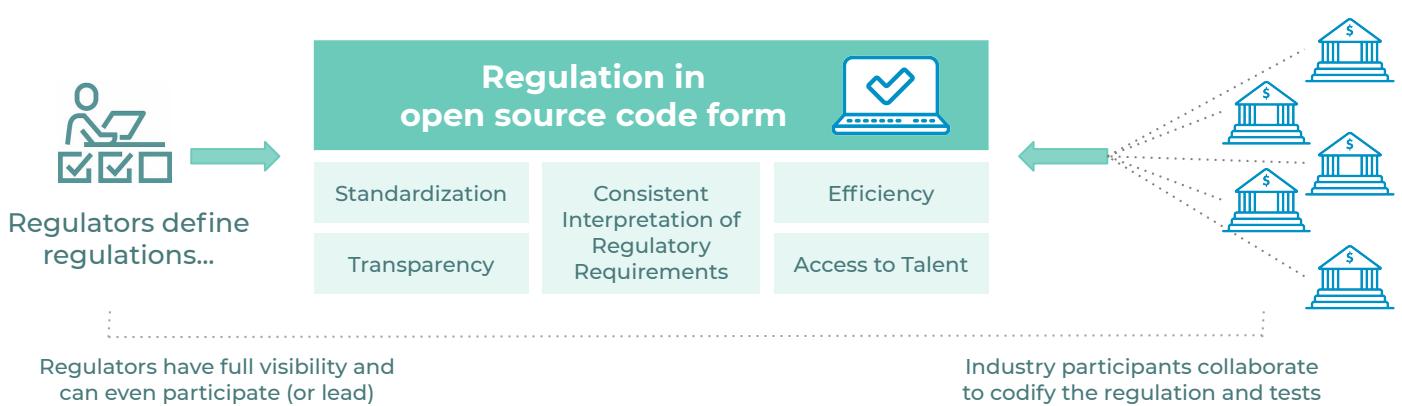
Reference guide to practical compliance information for the most common open source licenses. Great for engineers and compliance staff operationalizing compliance with third-party license.

# Our Long Term Vision

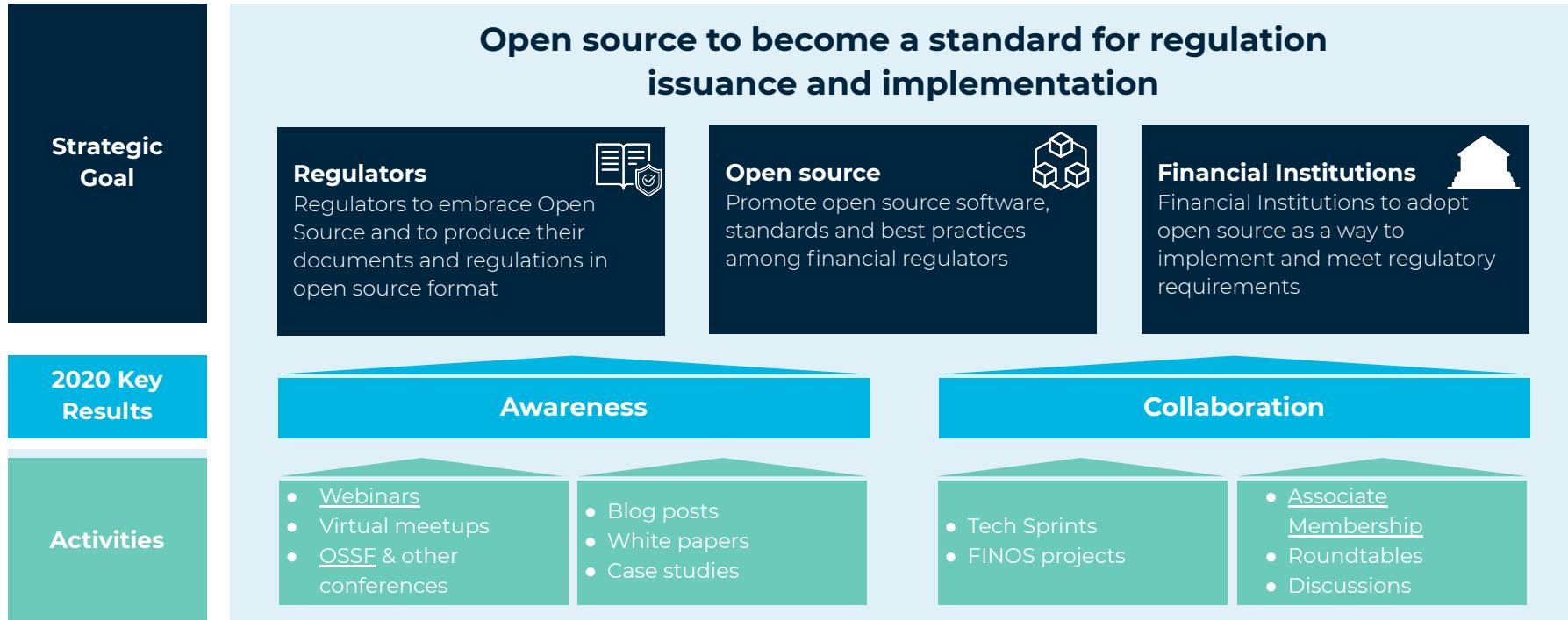
## TRADITIONAL MODEL



## OPEN SOURCE OPPORTUNITY

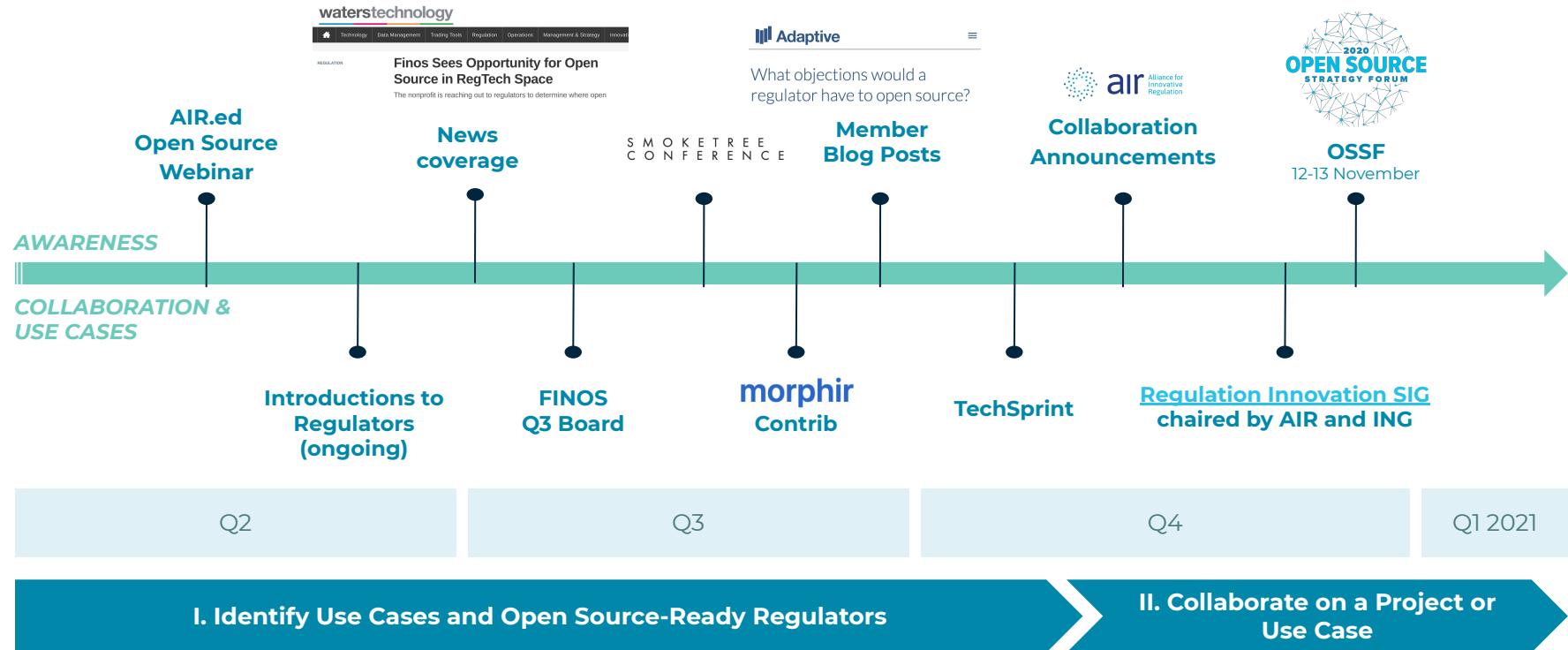


# FINOS Open RegTech Initiative



For more information, visit [finos.org/open-regtech](https://finos.org/open-regtech)

# Open RegTech: Tentative Timeline



# FINOS Projects with Reg Potential



## WALTZ

**Waltz**, contributed by Deutsche Bank, allows you to visualize and define your organisation's technology landscape. Think of it like a structured Wiki for your architecture.

### Open RegTech Use Case

- Standardize data taxonomies and regulatory reporting interfaces
- Produce tools to map legal and regulatory data taxonomies (e.g. compliance with GDPR, SOX, BCBS 239)



**Legend** is a data modeling language and environment contributed to FINOS by Goldman Sachs. Check out the Legend project site [here](#).

### Open RegTech Use Case

- Describe and connect data in business terms to create data models.
- Standardize terms and relationships across organizations to foster consistent data vocabulary.
- Explore data from various data stores



**Morphir**, developed by Morgan Stanley, is a multi-language system built on a data format that captures an application's domain model and business logic in a technology agnostic manner.

### Open RegTech Use Case

- Codify regulations in a declarative model that can be cross-compiled to run in different execution contexts. [US Liquidity Coverage Ratio Regulation](#)

# Open RegTech in the news

waterstechnology

Technology Data Management Trading Tools Regulation Operations Management & Strategy Innovation Awards All sections

REGULATION

## Finos Sees Opportunity for Open Source in RegTech Space

The nonprofit is reaching out to regulators to determine where open source could ease regulatory burdens on financial institutions, while keeping them competitive with tech companies.



Rebecca Natale  
@rebnatale

16 Jun 2020



Realign your marketing strategy with waterstechnology

# The Five Stages of Community Engagement

## EVALUATE

What the Foundation offers the FinServ developer

## CONSUME

The [Foundation's open source software](#) and [open standards](#)

## PARTICIPATE

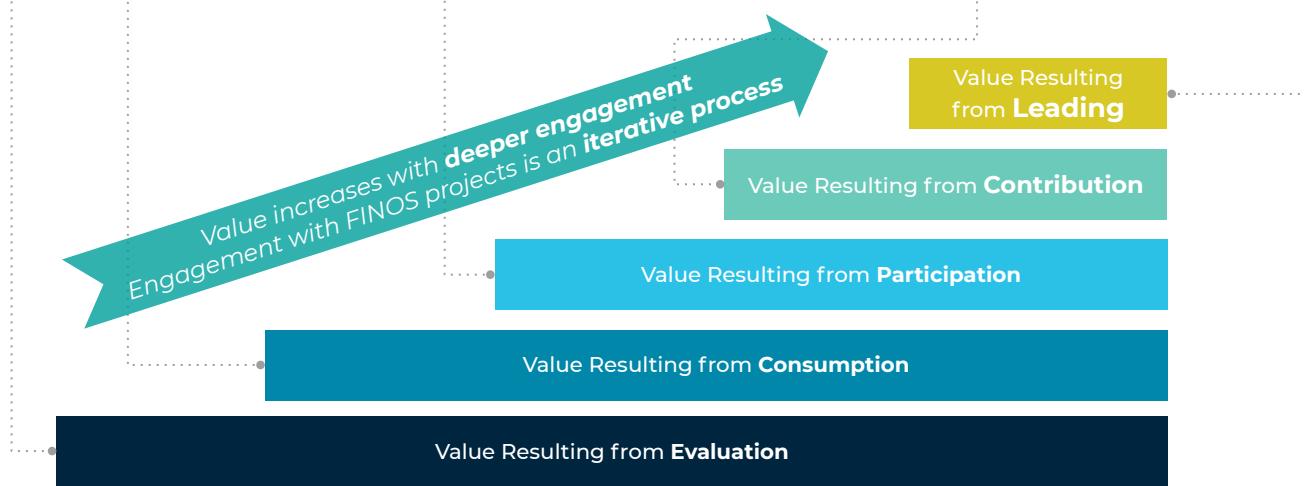
In existing [projects](#), [Special Interest Groups \(SIGs\)](#) or [Events](#) hosted by the Foundation

## CONTRIBUTE

A [new project](#) to the Foundation

## LEAD

An open source software or open standards [project](#), or a [Special Interest Group \(SIG\)](#)



# The Open Fintech Landscape

The FINOS landscape highlights our many projects solving challenges across the financial services industry.

Check back regularly as we continue to map the open fintech landscape.

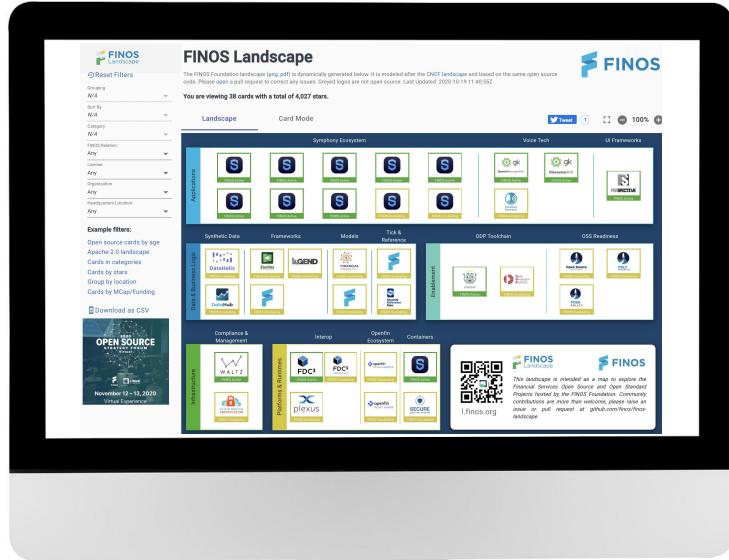
Visit

[landscape.finops.org](https://landscape.finops.org)

Contribute



[github.com/finos/finos-landscape](https://github.com/finos/finos-landscape)



# FINOS Software Projects

## DATA VISUALIZATION



- **Perspective** is an interactive visualization component for large, real-time datasets, used to build reports, dashboards and more, contributed by JP Morgan.



- **Waltz** allows you to visualize and define your organisation's technology landscape. Think of it like a structured Wiki for your architecture.

Check out the full list of FINOS projects on the [FINOS Landscape](#)

## DATA MODELING



- **Legend** is a data modeling language and visual modeling environment contributed to FINOS by Goldman Sachs..



- **Morphir** is a multi-language system built on a data format that captures an application's domain model and business logic in a technology agnostic manner

Contribute to our [Github organization](#)

## CLOUD



- The **Cloud Service Certification** project, contributed by JPMorgan, is following an open, code-first, collaborative process to mutualize - among FIs and vendors - the cost of cloud control interpretation and implementation.

Get in touch with the Community through our [mailing lists](#)

## INTEROPERABILITY



- **FDC3** is an open standard that enables plug-and-play interoperability on the financial desktop.



- **Plexus Interop** aims to define an open standard for desktop application interoperability and provides reference implementation of this standard.

# 2020 Q3 was our busiest quarter ever!

Our open source project landscape continued to grow...



GLUE

FINOS incubating

morphir

FINOS incubating

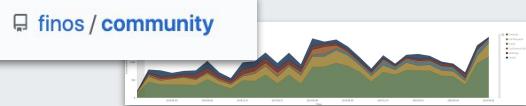


symphony-java-toolkit

FINOS incubating

LEGEND

FINOS incubating



4 new projects incubating in Q3

2 new SIGs (DevOps and Reg)

62% new projects contributed by FSI in 2020

Steady social and web growth

Launched FINOS [Community repository](#)

[Web and Github update](#) to reflect new governance and [Associate Membership](#)



COMMUNITY SPOTLIGHT



Open Source  
READINESS

**Community Spotlight** recognizes community contributors (4 editions so far) [in newsletter](#)

**Virtual Meetups** over 1000+ registered/attended in 2020 (see [archive](#))

**FINOS Podcast** Steady increase in plays week on week

**OSR Guest Speakers & All Community Calls** continue to attract new participants



SMOKE TREE  
CONFERENCE



**Press Releases** promoted new contributions and chair/co-chair; Legend launch (scheduled)

**OSSF launched** with LF including LF keynote press release, FINOS and LF promotion.

**OSS EU - FINOS Mini Summit** scheduled leveraging LF events and network

**Interviews & presentations** for FINOS to speak, including Financial Inclusion & ESG

... and we kept open source in financial services in the news



waterstechnology

TABB FORUM  
WHERE CAPITAL MARKETS SPEAK

BUSINESS  
INSIDER

FINANCEMONTHLY  
FinTech. Financial Services. Business News.

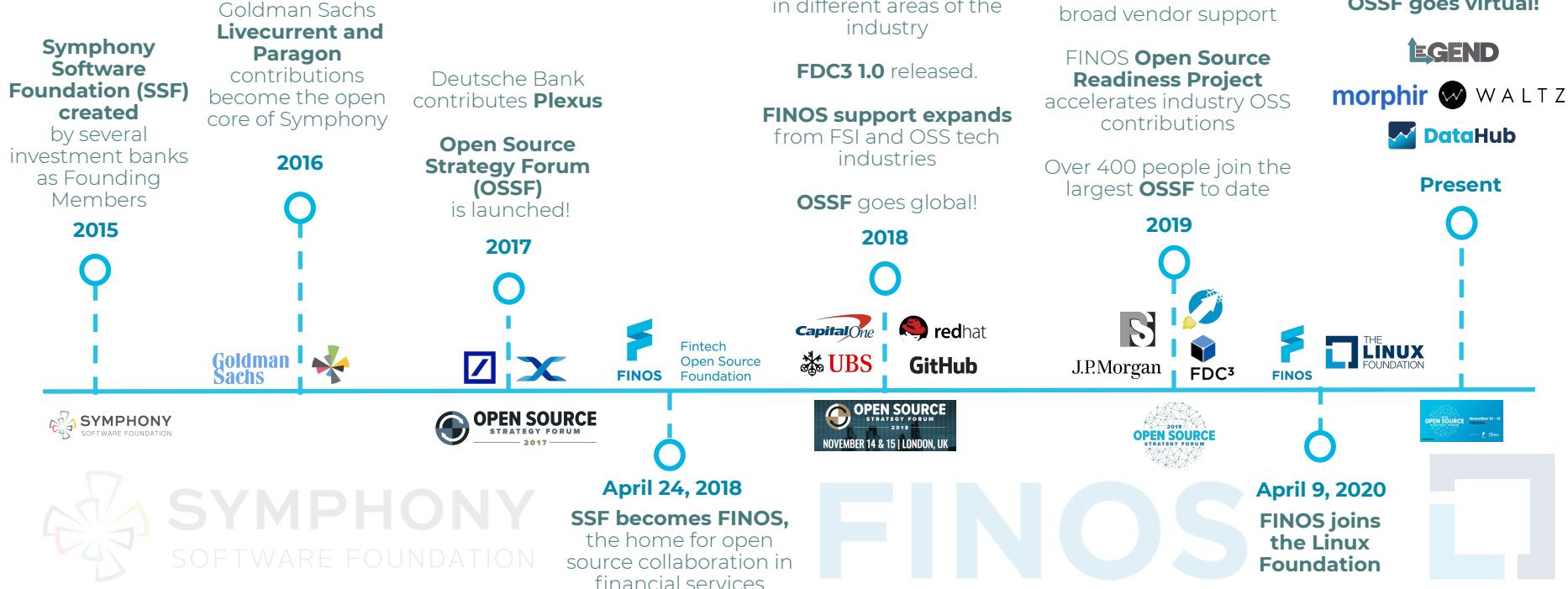
S&P Global  
Market Intelligence

GLOBAL BANKING &  
Finance review

WHARTON  
FINTECH

FinTech

# A brief history of FINOS



# **FINOS**

Fintech  
Open Source  
Foundation

## Questions?

Learn more at

[finos.org/open-regtech](https://finos.org/open-regtech)

[github.com/finos/open-regtech](https://github.com/finos/open-regtech)

Sign up for updates at

[open-regtech+subscribe@finos.org](mailto:open-regtech+subscribe@finos.org)