FINOS

Fintech
Open Source
Foundation

2020Q3 - All Community Call

FINOS team
FINOS Project Leads

Virtually held on September 10th 2020

Today's Agenda

8:00 State of the Community

- **Unprecedented times, unprecedented momentum**
- **What you need to know about the rest of the year**

8:10 Q3 Focus Projects Update

- **DevOps Mutualization**
- **Alloy**
- **Morphir**
- **DataHub / DataHelix**
- **Security Reference Data**

8:40 Governance and infrastructure updates

- **Simplified Governance Walkthrough**
- **Project maintainers governance cheatsheet**

8:50 Q/A

9:00 AOB / Meeting is adjourned

State of the Community

Gabriele Columbro,
Executive Director

FINOS Community by the Numbers

PLATINUM

citi

Goldman Sachs

Deutsche Bank

J.P.Morgan

GitHub

Morgan Stanley

NOMURA

SYMPHONY

UBS

RBC

GOLD

Capital One

HSBC

IHS Markit

openfin

redhat

Tradeweb

WELLS FARGO

wipro

REFINITIV

SILVER

Adaptive

AQR

BNY MELLON

Cosaic

CloudBees

Cloud9

epam

G

GitLab

GLUE42 CONNECTING APPLICATIONS

gk

Itaú

NearForm

SCOTT LOGIC

WhiteSource

21
Active Open Source Projects

20
Incubating Open Source Projects

348
YTD Contributors

33
Member Organizations

FINOS Fintech Open Source Foundation *landscape.finos.org* *finos.org/members* *metrics.finos.org* finos.org

Inclusion is not a nice to have...

*It's imperative we **act now** to create a true **level playing field** in our Community*

What can we concretely do as a Community:

A. First and foremost, respect our Code of Conduct
B. **Board:** Board approved a D&I SIG to drive concrete commitment and action. Everyone is welcome to join
C. **Community:** Your input would be fundamental as we plan 2021 (e.g. mentorship)

...but we have an unprecedented opportunity!

Projects continue to grow in the Foundation...

DataHub
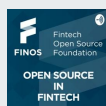**Contributed**
By Citi

WALTZ
Activated
By Deutsche Bank

Glue
Contributed
By EPAM

morphir
Contributed
By Morgan Stanley

THE LINUX FOUNDATION

2020 OPEN SOURCE STRATEGY FORUM — Virtual

Officially onboard as of July 1st 2020!
Smooth transition with no (known!) disruptions
OSSF 2020 virtual produced by LF + FINOS on Nov 12/13 as of July 1st 2020! Register today!
~30% increase in new contacts
~200% increase in social interactions
Event, Training & Mentorship on the radar

FINOS Fintech Open Source Foundation — ALL COMMUNITY CALL JUNE 11, 2020

FINOS Fintech Open Source Foundation — OPEN SOURCE IN FINTECH

Open Source READINESS

Virtual Meetups 1000+ registered/attended 15+ meetups/webinars. Check out recordings!
Launched Podcast 10+available on popular venues including Apple Podcast. Rate us now!
OSR Guest Speakers included Google, Microsoft, Fidelity, CNCF, Accenture
Quarterly All Community Call highlighting focus projects and foundation wide updates

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OPEN SOURCE FINREG

ALLOY

Landscape v1 version showcasing FINOS projects
Open Source FinReg initiative kicked off.
Alloy nearing open sourcing & successful pilots
Regulated DevOps mutualization SIG forming.
Training, Learning & Certification (TLC) ramping up. Contact Rob if you are interested.
Exploring Retail Banking expansion. Contact Gab.
Associate Membership program rolled out

... and keep growing open source in financial services footprint in the news

waterstechnology

BUSINESS INSIDER

Finextra

TABB FORUM — WHERE CAPITAL MARKETS SPEAK

IBS intelligence

CROWDFUND INSIDER©

TS TEARSHEET

Introducing The Open Fintech Landscape

Our beta version of the FINOS landscape is live. It highlights our many projects solving challenges across the financial services industry. Beyond v1 we want to map "open" (API, standard, source) efforts in FSI. **We'd love your help**!

Visit **landscape.finos.org**

Contribute **github.com/finos/finos-landscape**

An update on the Open FinReg initiative

Strong initial interest from **Members** and **broader Community** to **mutualize regulatory implementation**. A Special Interest Group is being formed, add your input today!

Stay tuned https://www.finos.org/en/open-source-finreg

Join the SIG https://github.com/finos/community/issues/66

Financial Services Ecosystem

Financial Institutions   Tech Firms   Vendors   Regulators (New Entrant)

Open Source Software & Standards
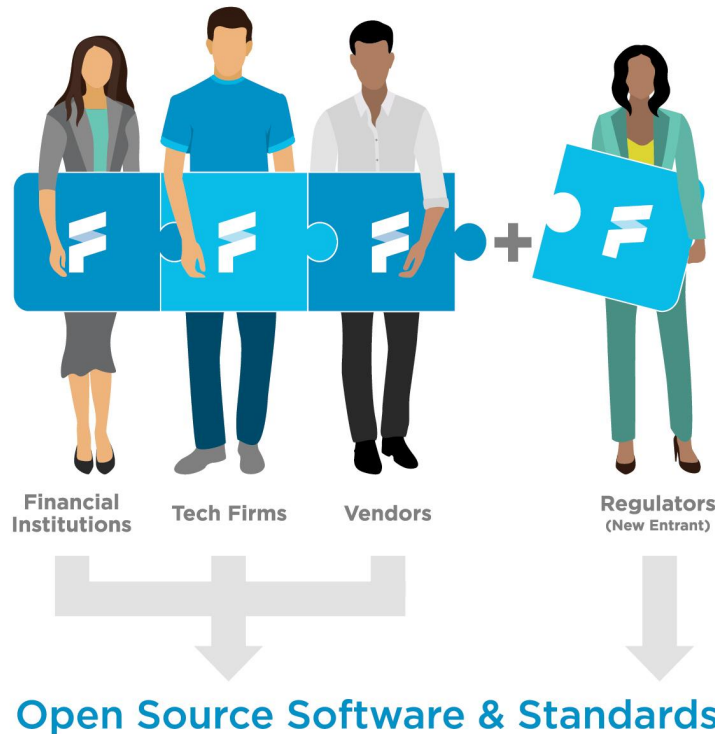
...and there so much more going on!

Large prospective collaborations

OpenMAMA

OPEN BANKING

ISDA CDM

air Alliance for Innovative Regulation

EDMCouncil

Potential LF / upstream synergies

HYPERLEDGER

node JS

ELECTRON

// TODO

COMMUNITY BRIDGE

THE LINUX FOUNDATION TRAINING

And more workstreams in Formation…

Symphony Java Libraries (by Deutsche Bank), *Git Proxy* (by Citi), *Reg SIG* (by AIR and ING), *CDM Extensions*, *Currency & Commodity Reference Data*, *Regulated DevOps mutualization*

How can you help fuel our growth?

- **Evangelism** (Reach out to Marketing for help):
  Produce, with FINOS support, a quarterly blog post / event / podcast on Open Source in the industry, or if you are a project maintainer, on your project

- **Community Growth** (Reach out Rob for help)
  Refer upstream & downstream projects for FINOS contribution OR
  Refer three people to subscribe to our Community list

- **Community Mgmt** (Reach out James for help)
  Maintain a public task list and list of "good first issues" AND
  Projects always "builds" AND
  Produce frequent releases, SDKs and samples

- **Be vocal!**
  Star our Community repository and propose new ideas or join the conversation on existing proposals.

Q2 Focus Projects Update

FINOS Team & Project Leads

Q3 Focus Projects Report

Every quarter we identify **4 to 6 Projects** for the FINOS team to focus on per Project Support Guidelines:

| STAGE	Q3 FOCUS	Q3 GOAL	More
Formation	*Alloy*	*Phase 2, "Wave 1" Code Contribution Milestone: SDLC, Execution, Studio, PURE System (see ROADMAP.md for more context)*	*OpenMama*
	Morphir	*Garner existing Community consensus to house in FINOS Evaluate Member interest Bring proposal for Board in Q4*	
Incubating	**DataHelix / DataHub**	*Define FINOS Synthetic Data Project Synergies #31, #28 Grow Project(s) Consumers and Contributors #27, #32, #1684 Projects Utilized by 2 Banks*	*DevOps Mutualization, Morphir, Exodus, Financial Objects, OpenFin React Hooks, Secure Electron Adapter*
	DevOps Mutualization	*Take DevOps Multulization to Group Consensus, First Project Contribution and First Technology Consumer #44 #52*	
	Security Reference Data	*First release of mapping framework*	

Q3 Focus Project: DevOps Mutualization

Goal of Quarterly focus: Agree group consensus and establish as FINOS Special Interest Group.

Q3 Status and Accomplishments

- 2nd group session held on 30th July 2020.
- Chaired by FINOS members including Deutsche Bank, Citi, CloudBees, GitHub and Morgan Stanley.
- Topics included SDLC, Regulatory Evidence, Banking DevOps, Group Communication.
- Next Session - How are banks orchestrating DevOps and the 'Glue' to create workflows?
- Successful vote to Propose DevOps Mutualization as a Special Interest Group
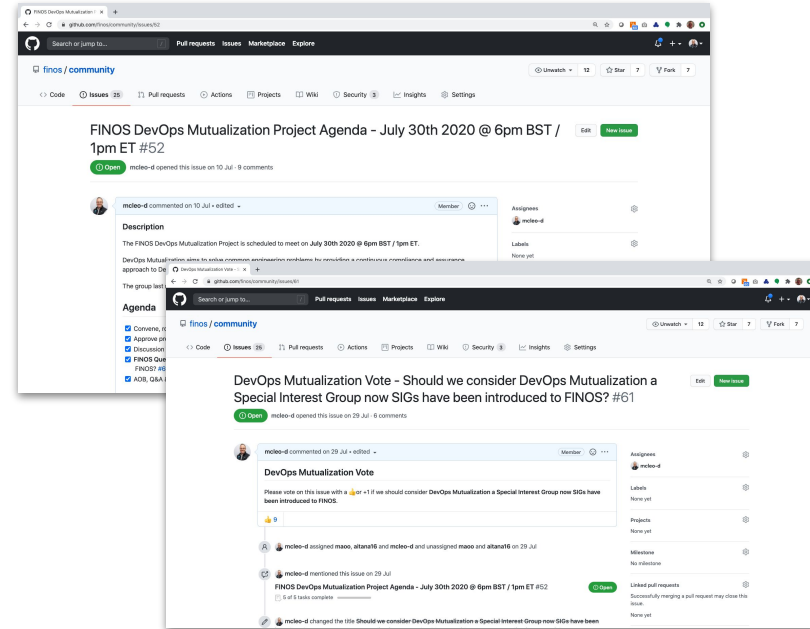
Q3 Focus Project: Alloy

- **Pilot: FX Options and CommodRef Data**
  - Changes merged back into **Alloy version of CDM.** Next step is to merge into **CDM Rosetta**
- **Open sourcing:** late September
- **Upcoming meetings:**
  - Office Hours
  - General meeting (Oct 15th)
  - Developer-focused recurring meeting
- **Presentations:**
  - OSS-EU (October 29)
  - OSSF (November 12-13)
- **Stay tuned:**
  - sign up for updates at finos.org/alloy

Q3 Focus Project: Morphir

Goal of Quarterly Focus: Complete Morgan Stanley contribution of Morphir into FINOS.

Project Status:

- Morphir has been successfully contributed into FINOS.

Morphir Contribution Opportunities:

- Multi-Language Support
- Application Modeling
- Unified Stream & Batch Data Processing
- Visualization Tools
- We anticipate applicability to the FINOS Alloy and FinReg initiatives.

Engaging with Morphir: Morphir is a multi-language system that captures domain model and business logic in a technology agnostic manner.

1. Explore the Morphir Project:

- https://github.com/finos/morphir

2. Explore Morphir Examples:

- https://github.com/finos/morphir-examples

3. Explore Morphir Technologies:

- https://github.com/finos/morphir-elm
- https://github.com/finos/morphir-jvm
- https://github.com/finos/morphir-dotnet
- https://github.com/finos/morphir-dapr
- https://github.com/finos/morphir-bosque
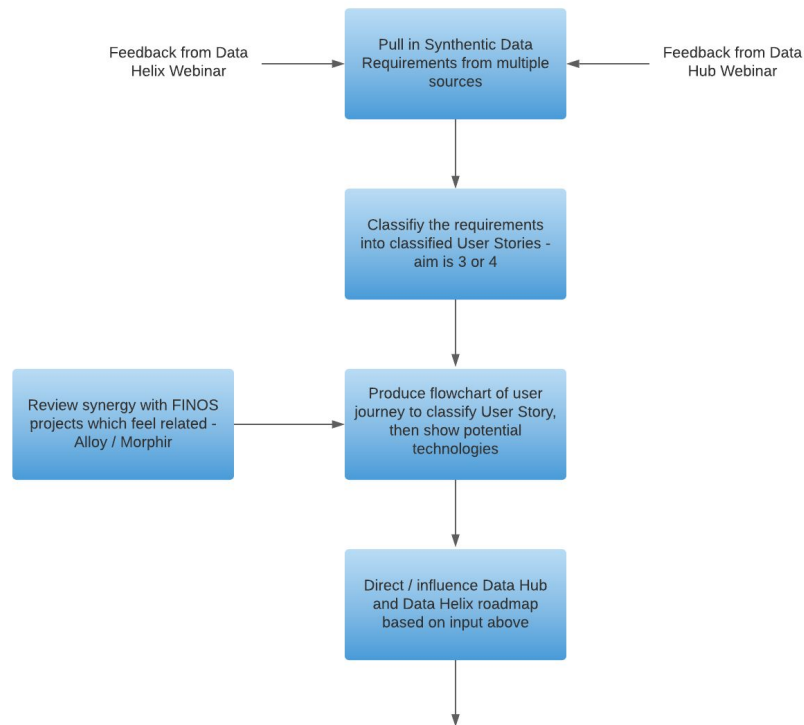
Q3 Focus Project: DataHub / DataHelix

Goal of Quarterly focus: Unifying the Synthetic Data approach of DataHelix and DataHub.

Q3 Status and Accomplishments

- UBS and Gensyn have joined the team!
- Team priorities on DataHub GitHub Issues
- Weekly Monday updates established.
- Gathering further Synthetic Data industry requirements. Your input welcome.
- Establishing approach for unifying Synthetic Data requirements.
- Began exploring neural network synthesis.
- Would like to explore synergies with related FINOS projects, such as Alloy and Morphir.

Feedback from Data Helix Webinar → Pull in Synthetic Data Requirements from multiple sources ← Feedback from Data Hub Webinar

Classifiy the requirements into classified User Stories - aim is 3 or 4

Review synergy with FINOS projects which feel related - Alloy / Morphir → Produce flowchart of user journey to classify User Story, then show potential technologies

Direct / influence Data Hub and Data Helix roadmap based on input above

Q3 Focus Project: Security Reference Data

https://github.com/finos/secref-data   Wiki

Goal of Quarterly focus: Initiate work on Securities & Issuer ID mapping tool

Q3 Focus and Accomplishments

- Defined, shared and distributed proposal to develop a Securities & Issuer ID open mapping
- Next steps are to create a detailed project plan, define the workflow and recruit additional contributors.
- Extending scope to cover currency reference data; defining a currency object and building an open dataset
- Migrating to GitHub to actively manage all workstream meetings, documentation and code
- **Email data-tech-sec-ref@finos.org to get involved**

Reference Data Challenges and Project Scope

There are a range of financial asset identifiers used across the industry, which are often fully or partially "closed". This project is working to provide tools and open data sets to address this.

Originally focused on securities the project scope is extending to include workstreams on currency and commodity reference data, thanks to work initiated in the Alloy project.

Corporate & Governance update

Gabriele Columbro,
Executive Director

Habemus governance...

Why:

1. Foster innovation over bureaucracy and over-engineering
2. Harmonize our operations under the Linux Foundation
3. Reduce systems and information fragmentation

How:

- **Q1:** RFC circulate to the Community to remove / deprecate Programs
- **4/22:** Board approved deprecation of Programs and authorized FINOS team to make necessary cleanup changes
- **May**: All Programs decided to disband and continue as top level projects
- **June/July:** A simplified, concise & extensible version of our governance was produced in Github
- **In progress:** Cleanup of web properties and deprecation of old documentation

5 items you definitely want to know

1. All Governance documents are now stored in the [FINOS Community Github repo](#)
   - *And you are more than welcome to propose changes / fixes via PR*
2. We introduced the construct of Governing Board approved [Special Interest Groups](#)
   - *Allow to coalesce interest where the value is in the conversation*
3. The At-Large Membership is now referred to as [Individual Supporter Program](#)
   - *Please reach out if you qualify or you'd like to be considered*
4. We offer simple default templates for [Software Projects](#) and [Standard Projects](#)
   - *Fits in a CONTRIBUTING.md and can be modified by a majority of maintainers*
5. *We formally introduced the [Formation Lifecycle stage](#)*
   - *And recognize [Quarterly Focus Projects](#) for additional visibility and accountability*

Open items

- [Work with Projects](#) to formally adopt new simplified governance (via Pull Request :P)
- Consolidated [project metrics](#) & reporting process
  - Consolidated project reporting dimensions and make it largely automated (opt-in)

FINOS Maintainers Cheatsheet

The following table guides FINOS Lead Maintainers on key responsibilities and where to find helpful resources. For everything else, refer to odp.finos.org or reach out at help@finos.org.

Maintainer Responsibility	How FINOS supports you
Integrate Continuous Integration and Deployment into FINOS Project Builds.	Use the FINOS Open Developer Platform for Continuous Integration and Deployment https://odp.finos.org/docs/development-infrastructure/continuous-integration/intro/
Publish Documentation from GitHub Repositories to FINOS Project Websites.	Use Docusauraus and GitHub Actions for Publishing Project Documentation. https://odp.finos.org/docs/development-infrastructure/project-documentation#docusaurus
Run Project Meetings, Including Creating Agendas, Recording Attendance and Publishing Minutes.	Follow FINOS Meeting Procedures from the FINOS Community Governance Repository. https://github.com/finos/community/blob/master/governance/Meeting-Procedures.md Run Project Meetings from GitHub Issues using the Meeting Attendee Tracker Action. https://odp.finos.org/docs/project-collaboration#meeting-minutes
Prevent, discover and responsibly disclose Security Vulnerability Issues	Use the FINOS Open Developer Platform for Project Security Vulnerability Scanning. https://odp.finos.org/docs/development-infrastructure/code-validation/whitesource Follow the FINOS responsible disclosure policy: https://finosfoundation.atlassian.net/l/c/gTEPn6J1
Grow maturity, viability and value of your project	Learn about the project lifecycle and drive your project toward activation: https://github.com/finos/community/blob/master/governance/Software-Projects/Project-Lifecycle.md