2023 Q3 -FINOS All Community Call

Gabriele Columbro Executive Director, FINOS

& FINOS Team







Fintech Open Source FINOS Foundation

Open source is eating financial services: today you can shape how the future will look!





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Questions and Answers Grizz, before we start ...

FINOS Community Swag Draw Live on the FINOS All Community Call Registered People Only

Remember to post your questions in the Zoom Q&A panel or email <u>help@finos.org</u>

Today's Agenda

11:05

James McLeod: State of the Foundation and Community

- FINOS 2023 Q2 Highlights
- New Chairs and Board Members
- FINOS Member and Community Growth
- State of Open Source in Financial Services Survey
- FINOS Member Meeting and London Open Source Meetup
- Community Achievements and Get Involved

11:35 Grizz Griswold: Save the dates and Calls to action

• Get ready to save the dates of upcoming FINOS events

11:40

12:55

- James McLeod: SIG and Community Updates
- Zenith Emerging Tech SIG, Common Domain Model
- InnerSource SIG, FDC3, Financial Objects and Open RegTech SIG THIS DECK INCLUDES QR

FINOS All Community Q&A and Close

CODES. SO, GET READY

SCAN!

Get Involved with **FINOS**

Browse the **FINOS** Landscape

Star & watch FINOS Community Repo

Write to the **Community Mailing** List

Sign up to the **FINOS** Newsletter

FINOS Fintech Open Source Foundation

State of the Foundation

Gabriele Columbro, Executive Director, FINOS

Rhyddian Olds is new Board Chair



Madeleine Dassule is new Vice Chair



Rhyddian has been a FINOS Board Representative across three different Platinum Members. As a passionate advocate of the Diversity, Equity and Inclusion and the benefits of open source contribution, Rhyddian is the executive sponsor of the FINOS Diversity, Equity and Inclusion and Open Source Readiness Special Interest Groups.

Rhyddian is the Head of UI and Services for Citi's institutional business. While at Deutsche Bank, he led the first open source project contribution by DB to the brand new FINOS organisation. Since joining Citi two years ago, Rhyddian established and now leads Citi's global Open Source Program Office. Madeleine has led the charge among the buy-side firms, created key partnerships across sell-side and buy-side at FINOS, and is he Executive Sponsor of the FINOS FDC3 Interoperability Strategic Initiative (together with Dietmar Fauser).

As Co-Head of Technology at Wellington, Madeleine jointly leads the global department responsible for all technology for the firm and oversees over 500 employees. Madeleine's focus areas are overall strategy as well as the technology platforms for portfolio implementation, global trading, legal and compliance, and regulatory. Madeleine is chair of the Technology Strategy Board, vice-chair of the Trading Policy Review Group, and a member of the Americas Compensation Committee and the Risk Committee.

Welcome Andy Smith! New Gold Member Representative

Welcome Alexandra Mysak! New Silver Member Representative



Andy Smith is a Distinguished Engineer at Discover Financial Services with over 20 years of experience building products, leading engineering and open source engagements. Andy has served in board/leadership roles of several open source organizations for member organizations including OpenSocial, jQuery and JS Foundation. Alexandra Mysak is the Director of Sales, Financial Services -Enterprise at Databricks. She is a sales leader driving growth of the Financial Services business vertical for Databricks the SaaS platform for data + Al. Enterprise advisor on cloud, big data & advanced analytics. This is complemented by an initial 15 years in Financial services (Goldman Sachs 12 years, Standard chartered 3 years) within Capital Markets and Corporate Banking. Deep understanding of financial services workflows on both buy side, sell side, investment banking, consumer banking & capital markets.





DATA FOUNDATION

FINOS THE Research THE 2023 STATE OF OPEN SOURCE IN FINANCIAL SERVICES SURVEY

IN PARTNERSHIP WITH



GitHub

😓 Red Hat

SCOTT LOGIC

ALTOGETHER SMARTER

TAKE THE SURVEY

CLOSING SOON!

FINOS 2023 Q2 Highlights

CORPORATE

Acceleration on productizing existing and nurturing new initiatives:

Rolled out **FDC3 2.0 Desktop Agent Conformance** framework and certified Finsemble and Glue.

Demo sell-side <-> buy-side use case to Member meeting & certified OpenFin against FDC3 1.2

Nurtured new initiative **CCC with strong focus on streamlining project centric funding approach** when dealing with large, industry-wide initiatives

Explored scope and consensus for strategic initiatives in new areas **with 6 Member-only roundtables** at Member meeting, on CCC, AI, Payments, Arch as Code, OSS Supply Chain Security, Zenith, CFI

Expanded Open Regtech investment with RegTech association partnership & JWG engagement

CCC/OSR T&C progressing towards OSFF launch

FINOS Fintech Open Source Foundation

PROJECTS

Hackathons brought fresh new ideas and integrations across FINOS projects



COMMON DOMAIN MODEL

CDM Version 4.0

8 new projects from Hackathon at BMO hosted in github.com/finos-labs

New **OSS Supply Chain Security** Working Group in Devops Automation

New **Architecture as Code** Working Group in Devops Automation

COMMUNITY

52% Unique Contributor Growth YTD from Jan 2023 to July 2023.

Drastic acceleration in global events, as we **hosted 9** events in Q2 with over 1700 registrants and ~900 attendees.

FINOS and Scott Logic hosted the first **2023 Open Source London Meetup at Nomura** with speakers from the CDM, Financial Objects SIG and Open Source industry featuring **ISDA, ICMA and Coldman Sachs**

Chanaian engineers from FINOS member Turntabl **win two Global Accessibility Awareness Day Hackathon** gold prizes for their open source project contributions.

Finalized TSC TOC governance was made ready for Q3 Governing Board approval

Citi hosted a **FINOS DEI SIG event in Canary Wharf** that invited the SIG and special guests to reflect on 2023 and to plan the year ahead

6 Platinum Board representatives (and 2 alternates) attended Member Meeting in London

Aric Rosenbaum and Nick Kolba represented FINOS in panel discussion at TradingTech conference in New York



Taking a well-deserved victory lap!

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J.P.Morgan

TRAILBLAZER AWARD

Wellington

The FINOS Trailblazer Award is awarded to the FINOS Member who charted a new path where there previously was none and who nurtured a new concept or idea that resulted in an innovative solution.

BREAKING THE STATUS QUO

Turntabl

The FINOS Breaking the Status Quo Award is awarded to the FINOS Member that's enabled open source contribution by rewriting the rule book and rethinking how they can make an impactful contribution to open source through FINOS.

GOING "ALL IN" AWARD

Citibank

The FINOS Going "All In" Award is awarded to the member that has committed fully to open source through FINOS, whilst removing barriers that enable impactful contribution to FINOS Projects, SIGs and the FINOS Community.

citi

turntabl

WELLINGTON

MANAGEMENT

LEADING THE PACK

BMO

The FINOS Leading the Pack Award is awarded to the member that has demonstrated a commitment to open source in FINOS, whilst bringing others on the journey and shining a light on how open source organisations should operate.

MOST ACTIVE MEMBER

Morgan Stanley

The FINOS Most Active Member Award is awarded to the member who has demonstrated a commitment to open source in FINOS through continuous contribution, project leadership and moving the open source needle.

SPREAD THE WORD

Discover

The FINOS Spread the Word Award is awarded to FINOS members and contributors that go above and beyond to magnify the impact and benefits of open source in financial services through FINOS.

DISCOVER

Morgan Stanley

BMO

2023 Member Awards

FINOS Fintech Open Source Foundation

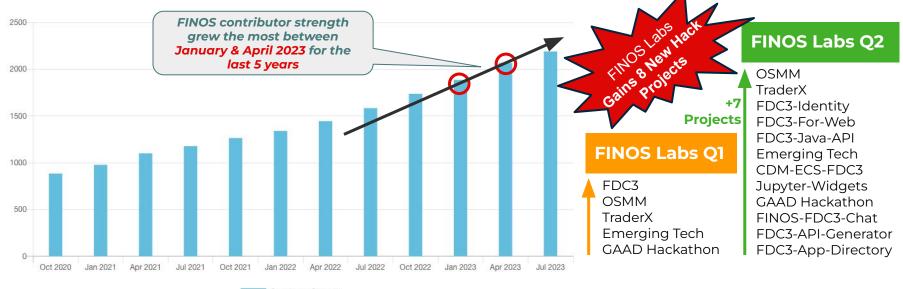
finos.org

State of the Community

James McLeod Director of Community, FINOS

The state of the Community

- FINOS contributor strength grew the most between January and April 2023 for the past 5 years
- **Contributor Strength Increased by 52% YTD** from Jan 2023 to July 2023 including main FINOS Organisation, FINOS Labs, GitLab and FINOS All Community Call.
- FINOS Labs gains 8 New Project Contributions due to BMO and GAAD Hackathons

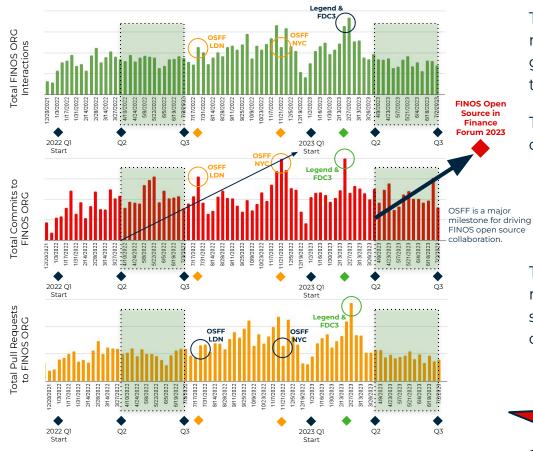


Contributor Strength

Keep an eye our **COMMUNITY DASHBOARD** now on **LFX** (and with <u>trends</u>)

FINOS Fintech Open Source Foundation

Leveraging OSFF to Drive FINOS Project Growth



FINOS Fintech Open Source Foundation

The Open Source in Finance Forum is a major milestone for driving FINOS contribution growth that should be repeated in Q3/Q4 2023 to replicate 2022 success metrics.

The following projects drove collaboration and commits leading up to the 2022 OSFF event.

- Legend, FDC3 Conformance Framework
- FDC3 Main Project, FDC3 Sail, FDC3 Desktop Agent
- Symphony Media Bridge, Electron & WDK
- Morphir LCR and VUU, plus more

The success of having talks, presentations, roundtables, expos and press releases driving software deliverables announced at OSFF is clearly reflected in FINOS data.

> FINOS PROJECTS & SIGS COMMUNICATE YOUR OSFF ANNOUNCEMENTS AND RELEASES NOW!

14

FINOS Announces Common Cloud Controls Formation

Common Cloud Controls is forming to solve consistent thematic challenges identified by the regulators through open source

Cloud Concentration
Inconsistent cyber
Scarcity of skilled workforce
and ultimately ...

Fragmentation & complexity of regulatory landscape



Read the FINOS Press Release **f**

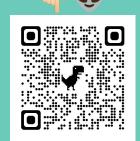




Fintech Open Source Foundation

FINOS Members Get Involved with Common Cloud Controls

FINOS



Common Cloud Controls

1st, 2nd, 3rd and 4th Thursday of Month

- Common Cloud Controls Project
- Engage with NIST on Controls
- Engage with MITRE Threat Catalogue
- Define Cloud Services Taxonomy

FINOS Member Meeting at JP Morgan, London

In June, 352 FINOS members registered for the FINOS member meeting at JPMorgan, London.

FINOS also welcomed 60 attendees from the Regtech Association who ran their own track.

We had awesome panels on the impact FINOS has to its members and why FINOS is important to FSI engineering.

FINOS Projects and SIGs provided many great keynotes, panels, talks and roundtables to help move the FINOS needle in 2024.

Read more about the FINOS Member Meeting at JPMorgan London on the FINOS blog.





FINOS Fintech Open Source Foundation

finos.org

FINOS Roundtables at JPMorgan Member Meeting

FINOS initiatives engaged with the membership to drive priorities, shape roadmaps and help steer the direction of FINOS.

FINOS organised roundtables from across the FINOS landscape to discuss open source subjects like Common Cloud Controls, Emerging Technology and Open RegTech.

FINOS roundtables are an effective mechanism for accelerating FINOS projects with technology experts represented from across the FINOS membership.

Common Cloud Controls

Confirm member interest and willingness to engage with Common Cloud Controls before announcing to FINOS board and community.

Open RegTech

Explore opportunities for open collaboration on initiatives like MIFIR, Bond Data, SFTR, Sec Lending, Common Data Strategy, Market Surveillance, T+1/CSDR and EMIR ETD Extension.

Payments

Explore possibility of common, open source real-time international payments solutions and ISO standard support.

Artificial Intelligence

Discuss broad AI topics that include legal, regulatory questions & approval processes, trust (mathematical/ethical) and infrastructure (GPUs).

Zenith SIG

Identified Brain Trust member targets/experts -Innovation Labs/OSPOs, Distinguished Engineers, SMEs, Individuals



Open Source Supply Chain Security

How to highlight and mitigate Open Source Software security risk to banking executives whilst prioritizing FSI dependencies.

FDC3 Identity

FDC3 as a wrapper on identity standards, applicable to all components.

Compliant Financial Infrastructure

Explore synergies between CCC and CFI. CCC solves policy requirements and priorities. CCC is the "what" & CFI provides the "how".

Architecture as Code

How to codify architecture in a standards-based approach, add value to development teams, support wider EA and control processes.

FINOS Open Source Meetup London at NatWest Group

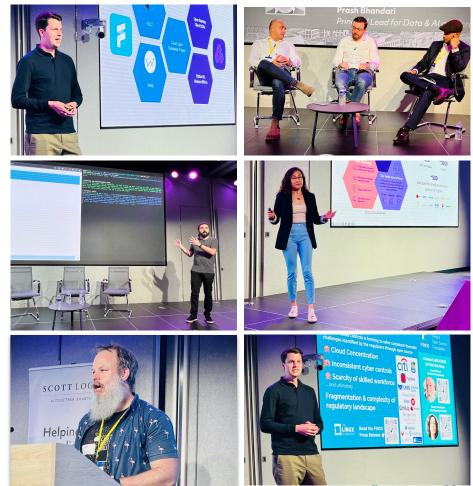
The FINOS and Scott Logic Open Source meetup visited NatWest Group, London for our second FINOS bank hosted event.

The event was "AI Themed" and joined by phenomenal speakers from across the FINOS, AI and wider open source landscape.

Thank you Oliver Cronk, Declan O'Gorman, Ariadna Blanca Romero, Gokberk Kocak, Sherin Mathew and Prash Bhandari for joining us in London.

A massive thank you to NatWest, Scott Logic, Microsoft and AI Tech UK for your involvement in this impressive 300 person London event!

FINOS Fintech Open Source Foundation



Recognising Community Achievements

- FINOS Members participate in talks and discussions at FINOS Member Meeting, London
- Common Cloud Controls kicks off with FINOS banks, CSPs, tech firms and consultancies
- Congratulations FINOS DEI SIG for meeting at Citi, London for your 2023 H1 retrospective
- Well done GitProxy for your FINOS project acceleration and LinkedIn success!
- Fantastic work Ronald Ssebalamu raising your first Morphir pull request
- Open Source London Meetup hosted at NatWest Group. Thank you for sponsoring!
- Architecture as Code demonstrates how ChatGPT engages TraderX. Phenomenal in pressure of the second s
- Backstage working group kicks off FINOS reference architecture with FINOS banks
- Zenith SIG engages diverse technology community and prioritises first SIG primers
- TimeBase CE merges and releases version 6.1 into the FINOS mainline
- TraderX contribution raised by Morgan Stanley ready for community socialisation!



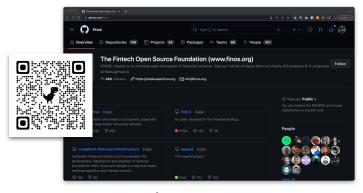
FINOS Fintech Open Source Foundation





Get Involved with FINOS Projects and Events

FINOS GitHub Organisation - Find FINOS Project and SIG repositories where you can clone code, raise pull requests and engage through issues



FINOS Community Calendar - FINOS Project and SIG meetings to engage in live updates. Find local FINOS and community meetups.



FINOS Website - Subscribe to newsletters, read blogs and keep up to date with FINOS news and events, including meetups and OSFF.



FINOS Resource Centre - Find useful Project and SIG resource, social media posts and videos from Live FINOS events.



hos.org 20

Save the Dates & Get Involved with FINOS

Aaron Griswold Marketing Director, FINOS



JOIN US

This year we're amplifying our offerings with exclusive tracks from the <u>FinOps Foundation</u>, <u>Open Mainframe Project</u>, and <u>OpenJS</u>. Also, dive into thought provoking and informative sessions on FINOS strategic initiatives around:

• Cloud Operations

- Open Source Security
- Open Source Case Studies Eme & How Tos
- Emerging Tech in Finance
- Desktop Interoperability
- Open Regulation Innovation

Attend & Network Sponsor & Promote Or Project Expo TODAY

FINOS Fintech Open Source Foundation

MEMBERS: EMAIL OSFF@FINOS.ORG FOR YOUR REGISTRATION CODE TODAY

finos.org



Participate in Project Expos: Showcasing the Power of FINOS Projects

SCAN ME



Project Expo Demos focus on demonstrating how FINOS projects and open-source contributions **are driving business solutions** across our community.

The expos **increase visibility** and recognition of FINOS projects and help your project further develop new connections and collaborations, providing an exceptional way to enhance understanding of the business landscape.

Don't miss out on this exciting opportunity. Let us know today if you are interested in demonstrating your implementation on November 1st!



Get Involved today!

Register your interest

Email marketing@finos.org

Email eteri.dvalishvili@finos.org.

FINOS Fintech Open Source Foundation

finos.org

SIG & Community Updates

James McLeod Director of Community, FINOS

Zenith SIG

What is Zenith?

At Zenith, we believe in the power of collaboration to shape the future of finance. As an industry-wide effort led by FINOS, we are committed to understanding, defining, and building standards that adapt to emerging technologies.

Latest News

We have just launched our first Primer on **Artificial Intelligence**. This comprehensive foundation helps to demystify industrial jargon and provides an executive briefing on the subject.

This primer will grow in the coming weeks with additional deep-dive explorations on key subjects such as AI chipsets, AI-driven fraud protection and computer vision already accessible on GitHub.

We welcome any and all contributions or feedback!

Calling all Fintech Innovators

Join us for fortnightly SIG meetings where we discuss emerging technology & set out our new targets. **Every second Thursday at 10am EST**

Together, Let's Re-define Finance with Open-Source Innovation!

How to get involved:

Join the Mailgroup: Email <u>zenith+subscribe@lists.finos.org</u> to stay informed and connected with like-minded innovators.

Review Our Al Primers: Stay ahead with the newly released <u>Al primers</u> and discover new possibilities.

Volunteer for the Brain Trust: Be

a leader of change! Reach out to <u>zenith-leadership@lists.finos.org</u> to contribute your expertise.

Morgan Stanley



FINOS Standards projects: Common Domain Model

effections of the ISLA ICMA & ISDA CDM Showcar

Release of VERSION 4.0 OF CDM:

- We're delighted to announce the release of version 4.0 of the Common Domain Model (CDM).
- In this latest version, several technical improvements have been implemented including bug fixes, updates to dependencies, and enhancements to synonym mappings.
- To explore the advancements introduced in version 4.0, visit the CDM GitHub Repository.

Working Group Updates

Community interest and attendance at the meetings have been active and diverse, with representation from Fintechs, Regtechs, exchanges, academia

- Meetings occurring weekly on Tuesdays at 10 AM EST
- Information available at <u>FINOS Resource Center</u>

VSM Times ITOps Times Features Subscribe Learning

CONTAINERS DATA DEVOPS DEVSECOPS LOW CODE

FINOS introduces open source Common Doma

Model project

Latest News Published: February 21st, 2023 - Katle Dee

securitiesfinancetimes

🋫 Twitter 🔤 Email

Pipeline for VERSION 5.0 Release:

- Bond Issuance
- Exchange Traded and Commodity derivative products
- Legal Agreements
- Further pre-trade enhancements

Press coverage:

FINADIUM

<u>SecuritiesFinanceTimes</u>

I hits the "who is using it and

- Sharegain
- <u>Finadium</u>

Join the Barclays <u>RepoHack 2023</u> Visit <u>cdm.finos.org</u>

github.com/finos/common-domain-model

CDM CDM

COMMON DOMAIN MODEL

ry! www.finos.org/common-domain-model

Reach out! cdm+subscribe@lists.finos.org

InnerSource SIG

What is the InnerSource SIG?

The FINOS InnerSource Special Interest Group is a community of people implementing, or interested in implementing, InnerSource within their financial services organization.

Why do we need the InnerSource SIG?

- Reduce duplication of effort on emerging technologies
- Share ideas across theoretical and technical across FINTECH
- Recognise expertise and develop patterns of InnerSource success
- Minimize risk through innovation and collaboration
- Revamp of the SIG kick off August 22, 2023 @ 10AM EST

What are our goals?

Create Maturity Model/Personas	Establish License Generator
Partnership with OSR	InnerSource patterns geared to FINTECH

FINOS Fintech Open Source Foundation

SPECIAL INTEREST GROUP

How to get involved:

Join the mail group to stay informed by emailing: innersource+subscribe@lists.fino s.org

If you are part of an Innovation lab, and want to work with us, please reach out at innersource-leadership@finos.or g

If you would like to nominate yourself or a colleague as a subject matter expert for the brain trusts, please reach out at innersource-leadership@finos.or g

FDC3

The Open Standard for Interop

Enabling desktop applications in financial workflows to interoperate in a plug-and-play fashion, without prior bi-lateral agreements.

Voting to adopt FDC3 2.1

- Voting open until Friday 25th August 2023
 - Contact fdc3-maintainers@finos.org if you don't know how 0
- Additions & changes (* @experimental):
 - Desktop Agent Bridging Part* New Context & Intents:
 - Minor improvements to:
 - AppD 0
 - Desktop Agent API 0
 - Documentation 0

- More chat interactions 0
- CRM interactions 0
- Transactions 0
- Order & Trade * 0
- Market info in Instruments 0

Whats next?

- FDC3 2.0 Training & Certification Practitioner Program •
- FDC3 for Web Browsers Discussion Group
- Identity & Threat Modelling Discussion Group •
- FDC3 Bindings for Other Languages
- Updated governance and support for Context & Intents

How to get involved:

Join the mail group to stay informed by emailing: fdc3+subscribe@lists.finos.org

If you would like to nominate yourself or a colleague as an FDC3 Editor, Maintainer or Discussion group participant reach out to fdc3-maintainers@finos.org

We're particularly interested in recruiting to support:

- FDC3 bindings for other • languages
- Identity & threat modelling •

For more info on getting involved: https://github.com/finos/FDC3

Financial Objects and Regulation Innovation SIGs

What are we doing?

1

The FINOS Regulation Innovation Special Interest Group (SIG) & Financial Objects Special Interest Group (SIG) are partnering to drive the formation of **REGTECH Council** (RTC), which enables Members to accelerate international RegTech adoption through working groups that deliver proven open source results. The RTC will oversee a portfolio of projects with the support of a funded programme office.

We need your crowdsourcing and crowdfunding commitment now to agree business cases, resources, plans and milestones for 1H24

Why?

- The unrelenting breadth and depth of regulatory transparency is fueling RegTech collaboration demand
- FINOS now has a full toolbox to engineer new services for Cloud adoption in a better, faster, safer and lower-cost manner. CLAs give members an immense opportunity to mutualize development
- We are launching a RegTech Council to deliver these RegTech services in a coordinated manner via open-source working groups
- Project priorities have been established and firms are committing resources now in anticipation of a 1 November launch

Two Engagement Themes

2

Mutualize RegTech Delivery

Clearly **outline commercial business case** with Cost Avoidance benefits for FINOS Member institutions

Further **develop the toolbox of Open-Source components** within FINOS for a scalable Reference Architecture for Regulatory Reporting

Develop Common Data Assets / Product Model for Regulatory Reporting

Engage Regulators on Data Dictionary

Influence the Future common data dictionary for regulatory reporting data standards with clear advocacy goals on Data Formats & Common Data Dictionary For Regulators

Represent a common methodology / approach to standards across asset classes

Establish a working group with regular cadence and delivery milestones tracked centrally

Get involved: email <u>rtc@lists.finos.org</u> to engage in this discussion. Full proposal is here: https://github.com/finos/open-regtech-sig/discussions/57 Scan the QR to see full proposal on Github

Regulation Innovati

PECIAL INTERES

Q&A and AOB

Finally ...

- Watch the <u>FINOS Community Repository</u>
- Raise a FINOS Community Recognition
- Find a Project / SIG on the <u>FINOS Landscape</u>
- Join a FINOS Project or SIG Meeting