

Technical Advisory Council (TAC) Meeting

19 December 2023

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Meeting information

- Meeting to begin at 5:00 pm Central European Time
- Join the meeting by going to <https://zoom-lfx.platform.linuxfoundation.org/meeting/95214651568?password=eda16f17-bdd1-4a9f-a594-0947a1433153>
- Any problems with connectivity, you can contact John Mertic from the Linux Foundation at +1 234-738-4571
- Previous TAC Meeting notes, deck, and recording, at <https://wiki.lfenergy.org/display/HOME/Technical+Advisory+Council#TechnicalAdvisoryCouncil-MeetingMinutes>

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Agenda

All Times in Central European Time Zone

- 5:00 pm - 5:10 pm - Opening and General Updates
 - TAC member updates and project review date reminders
 - General updates
- 5:10 pm - 5:20 pm - Project Security Focus updates
- 5:20 pm - 5:40 pm - covXtreme Project Proposal
- 5:40 pm - 6:00 pm - OpenSCD Project Proposal
- 6:00 pm - 6:20 pm - SEAPATH Annual Review
- 6:20 pm - 6:25 pm - Marketing/PR/Events updates
- 6:25 pm - 6:30 pm - Closing and Next Meeting

Opening and General Updates

5:00 pm - 5:10 pm

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Welcome Alex!



- Extensive experience applying technology to meet energy and climate challenges
- Most recently CTO of Cleartrace and prior leadership roles at Imperfect Foods, Sunrun, and Locus Energy
- Graduate studies and early career (energy policy, utility-scale solar) in Europe
- Based in San Francisco with a partner and 2 young kids

TAC Voting Members

You can update your headshot/title at openprofile.dev.



Antonello Monti
Chair
Professor
RWTH Aachen
University



Anne Tilloy
Project manager
RTE (Reseau de
Transport
dElectricite)



Art Pope
Member of
Technical Staff at
Google LLC



Avi Allison
Program Manager,
Energy,
Sustainability
Microsoft
Corporation



Boris DOLLEY
Director of
Sustainable IT
Strategy
RTE (Reseau de
Transport
dElectricite)



Bryce Bartmann
Chief Digital
Technology Advisor
Shell International
Petroleum Company



**Jonas van den
Bogaard**
Open Source Office
Lead
Alliander



Maarten Mulder
PO Field Device
Platforms
Alliander



Travis Sikes
Senior Data
Scientist
Recurse

LF Energy Hosted Project Leads

Project	Project Lead(s)
PowSyBI	Anne Tilloy, RTE
OperatorFabric	Frederic DIDIER, RTE
OpenEEmeter	Travis Sikes, Recurve
GXF	Maarten Mulder, Alliander
SOGNO	Antonello Monti, RWTH Aachen University
CoMPAS	Aliou Diaite, RTE & Sander Jansen, Alliander (TAC Representative)
FledgePOWER	Akli Rahmoun, RTE
Hyphae	Asimena Korompili, RWTH Aachen University
openLEADR	Lonneke Driessen & Stan Janssen, OpenADR
SEAPATH	Éloi Bail, Savoir-faire Linux
Grid Capacity Map	Per Lysemose Hansen, Energinet
Shapeshifter	Robben Riksen, Alliander
OpenSTEF	Frank Kreuwel, Alliander

Project	Project Lead(s)
Everest	Marco Möller, PIONIX
OpenGEH	Nicolas Bernhardt, Energet
FlexMeasures	Nicolas Höning, Seita Energy Flexibility B.V.
Arras	David Chassin, SLAC
Dynawo	Marco Chiaramello, Benoît Jeanson, RTE
OpenFIDO	David Chassin, SLAC
Power Grid Model	Tony Xiang, Alliander
Real Time Data Ingestion Platform (RTDIP)	Bryce Bartmann, Shell
TROLIE	Christopher Atkins, MISO Energy
Battery Data Alliance	Gabe Hege, AMPLabs
GRIP (Grid Resilience and Intelligence Platform)	Alyona Teybar, MASc
Open Sustainable Technology	Tobias Augspurger, Prototypes
CitrineOS	Thana Paris, S44

Working Group Leads

Working Group	Work Group Lead(s)
AI Working Group	Jonas van den Bogaard, Alliander
Archimate Working Group	Alexandre Pariost

Project Review Cycle

Upcoming Reviews

Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
SEAPATH	Early Adoption	October 6, 2020	January 17, 2023	December 19, 2023
Everest	Early Adoption	October 12, 2021	December 6, 2022	January 9, 2024
RTDIP	Sandbox	October 25, 2022		January 9, 2024
OpenFIDO	Sandbox	January 17, 2023		January 30, 2024
Dynawo	Sandbox	December 6, 2022		January 30, 2024

Working Groups

Group	Current Level	Initially Accepted	Last Review	Next Review
Archimate Working Group	Active	October 4, 2022	11/28/2023	11/05/2024
AI Working Group	Active	September 26, 2023		9/17/2024

Past Reviews

Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
Hyphae	Incubation	December 8, 2020	February 7, 2023	February 20, 2024
Power Grid Model	Sandbox	February 7, 2023		February 20, 2024
FledgePOWER	Incubation	February 11, 2021	March 21, 2023	March 12, 2024
SOGNO	Early Adoption	October 27, 2020	March 21, 2023	March 12, 2024
Shapeshifter	Incubation	April 6, 2021	April 11, 2023	April 23, 2024
CoMPAS	Incubation	May 5, 2020	July 13, 2022	June 25, 2024
OperatorFabric	Early Adoption	April 30, 2019	July 25, 2023	July 16, 2024
Arras	Sandbox	July 12, 2022	July 25, 2023	July 16, 2024
TROLIE	Incubation	September 5, 2023		September 3, 2024
Battery Data Alliance	Incubation	September 5, 2023		September 3, 2024
GXF	Early Adoption	February 4, 2020	September 26, 2023	September 24, 2024
Open Sustainable Technology	Sandbox	October 17, 2023		October 4, 2024
Grid Capacity Map	Incubation	April 27, 2021	October 17, 2023	October 4, 2024
OpenEEmeter	Incubation	June 4, 2019	October 17, 2023	October 4, 2024
OpenSTEF	Incubation	September 21, 2021	October 25, 2022	November 5, 2024
FlexMeasures	Incubation	November 2, 2021	November 15, 2022	November 28, 2023
PowSyBI	Early Adoption	April 30, 2019	November 15, 2022	November 28, 2023
OpenLEADR	Incubation	September 15, 2020	December 6, 2022	TBD
OpenGEH	Sandbox	October 12, 2021	October 4, 2022	TBD

TAC Sponsors for Projects

As part of the benefit for LF Energy projects, the TAC has a sponsor for each project.

“Appointment of an existing TAC member by the TAC that will act as a sponsor of the project and provide recommendations regarding governance best practices.”

ACTION: Review assignments, let John or Yarille know if there are issues



Project	Current Level	TAC Sponsor
Archimate Working Group	Working Group	Maarten Mulder
Arras	Sandbox	Antonello Monti
Battery Data Alliance	Sandbox	
CitrineOS	Sandbox	
CoMPAS	Incubation	Bryce Bartmann
Dynawo	Incubation	Art Pope
EVerest	Early Adoption	Bryce Bartmann
FledgePOWER	Incubation	Jonas van den Bogaard
FlexMeasures	Incubation	Maarten Mulder
Grid Capacity Map	Incubation	Boris Dolley
GRIP (Grid Resilience and Intelligence Platform)	Sandbox	
GXF	Early Adoption	Jonas van den Bogaard
Hyphae	Incubation	Antonello Monti
OpenEEmeter	Incubation	Travis Sikes
OpenFIDO	Sandbox	Avi Allison
OpenGEH	Sandbox	Avi Allison
OpenLEADR	Incubation	Anne Tilloy
OpenSTEF	Incubation	Jonas van den Bogaard
Open Sustainable Technology	Sandbox	
OperatorFabric	Early Adoption	Boris Dolley
PowSyBl	Early Adoption	Anne Tilloy
Power Grid Model	Sandbox	Jonas van den Bogaard
Real Time Data Ingestion Platform (RTDIP)	Sandbox	Art Pope
SEAPATH	Early Adoption	Boris Dolley
Shapeshifter	Incubation	Jonas van den Bogaard
SOGNO	Early Adoption	Antonello Monti
TROLIE	Sandbox	Boris Dolley

General Updates

- Yarille will be reaching out to project/working group leads to update slide in HL overview deck. (<https://github.com/lf-energy/tac/issues/91>)
- We'd like to schedule guest speakers/topics that would be of interest to TAC members and TSC leads.
 - **ACTION: Let us know what would be of interest at <https://github.com/lf-energy/tac/issues/31>.**
- Plan to move all projects to using LFX PCC Meeting Management by end of the year; current status at <https://github.com/lf-energy/tac/issues/39>
 - **ACTION: Projects lead to work with John on transitioning: FledgePOWER, Grid Capacity Map, Grid eXchange Fabric, Hyphae, OpenEEmeter, PowSyBl, openLEADR, Archimate WG**
- Future of Slack; Zulip being trialed by EVerest and currently under DP review (<https://github.com/lf-energy/tac/issues/48>)

Project Security Focus updates

5:10 pm - 5:20 pm

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Focuses

- Ensure all projects up to date with OpenSSF Best Practices Badge per their maturity level
- Clean up LFX Security to ensure it's accurate
- Promote SBOM scanning
- Security Audits for all 'Early Adoption' stage projects
- Security strategy developed by TAC (response standards, CVE response)



openssf best practices silver



openssf best practices silver



openssf best practices passing



openssf best practices silver



openssf best practices silver



openssf best practices in progress 73%



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices in progress 93%



openssf best practices passing

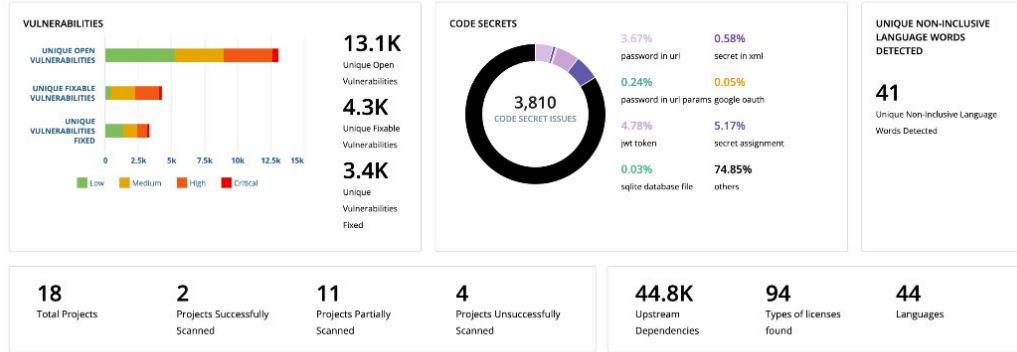


openssf best practices passing

Current OpenSSF Best Practices Badge status (5 projects out of compliance)

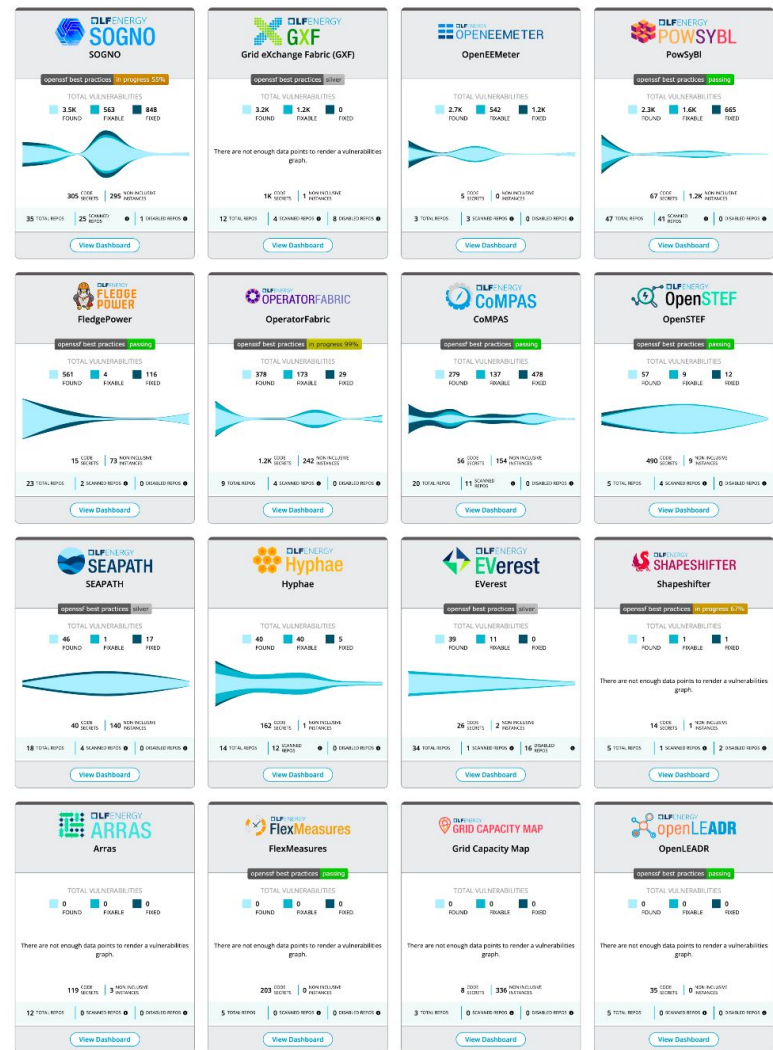
ACTION: Projects in red boxes need review (source

https://tac.lfenergy.org/projects_with_bestpractices)



- 16 of 20 projects on LFX Security
- 6 projects with no successful scans
- Only 2 projects with a full scan

ACTION: John to review and debug issues.



18 projects having license scans and SBOMs being generated.

GOAL: All project scanned every quarter

Carbon-Data-Spec	add SPDX file for Carbon-Data-Spec from 2023-07 Fossology scan	2 months ago
EVerest	add SPDX file for EVerest from 2023-07 Fossology scan	2 months ago
FledgePOWER	add SPDX file for FledgePOWER from 2023-07 Fossology scan	2 months ago
GridCapacityMap	add SPDX file for GridCapacityMap from 2023-07 Fossology scan	2 months ago
OCPPCloudConnector	add SPDX file for OCPPCloudConnector from 2022-12 Fossology scan	8 months ago
OpenGEH	add SPDX file for OpenGEH from 2023-07 Fossology scan	2 months ago
OpenSTEF	add SPDX file for OpenSTEF from 2023-07 Fossology scan	2 months ago
RTDIP	add SPDX file for RTDIP from 2023-07 Fossology scan	2 months ago
Shapeshifter	add SPDX file for Shapeshifter from 2023-07 Fossology scan	2 months ago
compas	add SPDX file for compas from 2023-07 Fossology scan	2 months ago
em2	add SPDX file for em2 from 2022-07 Fossology scan	last year
flexmeasures	add SPDX file for flexmeasures from 2023-07 Fossology scan	2 months ago
gxf	add SPDX file for gxf from 2023-07 Fossology scan	2 months ago
hyphae	add SPDX file for hyphae from 2023-07 Fossology scan	2 months ago
openeemeter	add SPDX file for openeemeter from 2023-07 Fossology scan	2 months ago
openleadr	add SPDX file for openleadr from 2023-07 Fossology scan	2 months ago
operatorfabric	add SPDX file for operatorfabric from 2023-07 Fossology scan	2 months ago
powsybl	add SPDX file for powsybl from 2023-07 Fossology scan	2 months ago
riaps	add SPDX file for riaps from 2023-07 Fossology scan	2 months ago
seapath	add SPDX file for seapath from 2023-07 Fossology scan	2 months ago
sogno	add SPDX file for sogno from 2023-07 Fossology scan	2 months ago

Security Audits through Open Source
Technology Improvement Fund.

Priority Focus for 'Early Adoption'
projects

In progress:

- EVerest
- SEAPATH

TODO:

- GXF
- OperatorFabric
- PowSyBL
- SOGNO

Next focus is on Incubation projects.

**ACTION: Remaining 'Early Adoption'
projects get lined up for scans; identify
any 'Incubation' projects next.**

OSTIF.org



The Open Source Technology Improvement Fund is a corporate non-profit dedicated to **securing open source apps** that we all depend on. Securing software isn't easy, and we know what it takes to succeed. By facilitating security audits and reviews, OSTIF makes it easy for projects to significantly improve security.

Security Strategy

TAC take the lead on developing a common set of security expectations and infrastructure for all hosted projects.

Besides the aforementioned topics, the TAC should provide guidance on:

- Base security policy for projects
- Standards for security response and responsible disclosure (CVE)
- Anything else industry specific to consider

ACTION: TAC to discuss forming a group to focus on building out security strategy

covXtreme Project Proposal

5:20 pm - 5:40 pm

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OpenSCD Project Proposal

5:40 pm - 6:00 pm

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SEAPATH Annual Review

6:00 pm - 6:20 pm

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Marketing/PR/Events Updates

6:20 pm - 6:25 pm

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Marketing and PR Updates

dbrown@linuxfoundation.org
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- Currently in process of building formal 2024 marketing plan
- JOET/EVERest partnership to be announced week of Jan 15, followed by webinar week of Jan 29
- Power Grid Model workshop taking place in person and virtually Jan 18
- Developing Seed ReCharger case study and webinar with EVERest project (jointly with LF Zephyr project which is also used in the product) - targeting February
- Recent media coverage
 - [TFIR - Grid eXchange Fabric \(GXF\) Communication Platform Helps Monitor Devices In The Field | Robert Tusveld](#)
 - [VMBlog - Cybersecurity Best Practices for Using Open Source in Energy Systems](#)
 - [TFIR - Fostering Collaboration In Open Source Communities | ben van 't ende – Alliander](#)
 - [SecurityBriefAsia - OpenSSF announces new members & secure software development principles](#)
 - [AltEnergyMag - Linux Foundation Energy Adds Five New Open Source Projects, Expanding its Energy Infrastructure Tech Stack for Battery Storage, Grid Resilience, EV Charging, and More](#)
 - [North American Clean Energy - Linux Foundation Energy Adds Five New Open Source Projects, Expanding its Energy Infrastructure Tech Stack for Battery Storage, Grid Resilience, EV Charging, and More](#)
 - [TFIR - LF Energy Adds Five New Open Source Technical Projects](#)
 - [ITBrief - LF Energy unveils new open source projects for energy transition](#)
 - [ERP Today - The open source energy infrastructure stack strengthens](#)
 - [PRNewswire - This Week in Energy News: 11 Stories You Need to See](#)
- Use this [form](#) to submit any comms/marketing support requests

Events

- LF Energy Summit 2024
 - June 2024 (exact dates TBD)
 - Finalizing location
 - [Preliminary sponsorship prospectus](#) now available - discounts for those who confirm sponsorship before EOY
- FOSDEM 2024 - 3-4 Feb, Brussels
 - Energy Devroom approved for a full day
 - Schedule to go live Dec 15
 - LF Energy will be present on the LF Europe stand throughout the event
- DISTRIBUTECH - 26-29 Feb, Orlando
 - 6 LF Energy members will be exhibiting
 - Plan to have member solutions team onsite for discussions with potential new members
- [Event tracker](#) - please review and add any additional opportunities

Upcoming Event CFPs

- [e-world Energy & Water - Feb 20-22, 2024 - Rolling submission deadline](#)
- [Smart Grid Tech Week - Mar 18-22, 2024 - Rolling submission deadline](#) (email alex.matthews@smartgrid-forums.com with speaking proposals)
- [Carbon Tracking & Reporting - March 26-27, 2024 - Rolling submission deadline](#)
- [Energy Thought Summit - April 15-18, 2024 - Rolling submission deadline](#)
- [Embedded Open Source Summit - April 16-18, 2024 - Submission deadline Jan 14](#)
- [Open Source Summit North America - April 16-18, 2024 - Submission deadline Jan 14](#)
- [CIREC Vienna - June 19-20, 2024 - Submission deadline Dec 8](#)
- [MOVE London - June 19-20, 2024 - Rolling submission deadline](#) (email cormac.martin@terrapinn.com with speaking proposals)
- [IEEE PES General Meeting Seattle - July 21-25, 2024 - Submission due Nov 8](#)
- [The Smarter E Europe Conferences Munich \(4 co-located conferences\) - June 18-21, 2024 - Submission due Jan 10](#)
- [T&D World Live - October 1-3, 2024 - Submissions due Feb 15](#)

Ambassador Program

- Applications are open for Ambassador Program through the end of the year at <https://lfenergy.org/newsroom/ambassador-program/>
- Initially target a group of 10 ambassadors
 - Potential ambassadors will submit an application to be reviewed by the TAC
- Requirements
 - Be active in at least one LF Energy project
 - Conduct at least one activity per quarter to remain an active ambassador
 - Speaking engagements, webinars, videos, blogs, etc.
- Would the TAC like to consider these applications as a whole, or appoint a subcommittee to do so?

Closing and Next Meeting

6:25 pm - 6:30 pm

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Next TAC Meeting

The next meeting of the LF Energy TAC is scheduled for 9 January 2024 at 8:00 am US Pacific Time/11:00 am US Eastern Time/5:00 pm Central European Time. Agenda will include:

- Project Proposal - Synthetic Energy Data
- Annual Review - RTDIP
- Annual Review - EVerest
- General Updates
- Marketing/PR/Events update

To add agenda items, go to <https://github.com/lf-energy/tac/issues/new/choose>.

You can review the TAC Agenda at <https://github.com/orgs/lf-energy/projects/2/views/1>



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