

Technical Advisory Council (TAC) Meeting

30 January 2024

OLFENERGY

Meeting information

- Meeting to begin at 5:00 pm Central European Time
- Join the meeting at the link in your calendar in [LFX Individual Dashboard](#)
- 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 - 5:20 pm - Opening and General Updates
 - TAC member updates and project review date reminders
 - General updates
 - Project Security Focus updates
- 5:20 pm - 5:40 pm - Sylva Project Proposal
- 5:40 pm - 6:00 pm - OpenFido Annual Review
- 6:00 pm - 6:20 pm - Dyanwo 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 - 5:20 pm

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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	Asimonia Korompili, RWTH Aachen University
openLEADR	Stan Janssen, OpenADR
SEAPATH	Éloi Bail, Savoir-faire Linux
Grid Capacity Map	Harald Klomp, Vattenfall
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, Protontypes
CitrineOS	Thana Paris, S44
covXtreme	Sachin Bhakar, Shell

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GRIP (Grid Resilience and Intelligence Platform)	Alyona Teybar, MASc

Project & Working Group Leads

Project	Project Lead(s)
Open Sustainable Technology	Tobias Augspurger, Protontypes
CitrineOS	Thana Paris, S44
covXtreme	Sachin Bhakar, Shell
Synthetic Energy Data	Gus Chadney, Centre for Net Zero
OpenSCD	Sander Jansen, Alliander

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

Project Review Cycle

2024 Reviews				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
Dynawo	Sandbox	December 6, 2022		January 30, 2024
OpenFIDO	Sandbox	January 17, 2023		January 30, 2024
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

2024 Reviews				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
Open Sustainable Technology	Sandbox	October 17, 2023		October 4, 2024
Grid Capacity Map	Incubation	April 27, 2021	October 17, 2023	October 4, 2024
OpenEMeter	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 28, 2023	November 19, 2024
PowSyBI	Early Adoption	April 30, 2019	November 28, 2023	November 9, 2024
CitrineOS	Sandbox	November 28, 2023		November 19, 2024
SEAPATH	Early Adoption	October 6, 2020	December 19, 2023	December 10, 2024
covXtreme	Sandbox	December 19, 2023		December 10, 2024
OpenLEADR	Incubation	September 15, 2020	December 6, 2022	TBD
OpenGEH	Sandbox	October 12, 2021	October 4, 2022	TBD

Project Review Cycle

Working Groups				
Group	Current Level	Initially Accepted	Last Review Date	Next Review Date
Archimate Working Group	Active	October 4, 2022	November 28, 2023	October 29, 2024
AI Working Group	Working Group	January 25, 2022		TBD

Past Reviews				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
EVERest	Early Adoption	October 12, 2021	January 9, 2024	January 7, 2025
Synthetic Energy Data	Sandbox	January 9, 2024		January 7, 2025
RTDIP	Sandbox	October 25, 2022	January 9, 2024	January 28, 2025
OpenSCD	Sandbox	January 25, 2024		January 28, 2025

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

TAC Sponsors for Projects

Project	Current Level	TAC Sponsor
OpenEEmeter	Incubation	Travis Sikes
OpenFIDO	Sandbox	Avi Allison
OpenGEH	Sandbox	Avi Allison
OpenLEADR	Incubation	Anne Tilloy
OpenSCD	Sandbox	
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
Synthetic Energy Data	Sandbox	
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 Q1; current status at <https://github.com/lf-energy/tac/issues/39>
 - **ACTION: Projects lead to work with John on transitioning: <https://github.com/lf-energy/tac/issues/110>**
- LF published a [Generative AI Policy](#) for projects, mostly centered around the use of AI tools (such as GitHub CoPilot) in code development. (<https://github.com/lf-energy/tac/issues/110>)
- Future of Slack; Zulip being trialed by EVerest (<https://github.com/lf-energy/tac/issues/48>)

Project Security Focus updates

- Ensure all projects up to date with OpenSSF Best Practices Badge per their maturity level
- Clean up LFX Security to ensure it's accurate
- Review license scans and remedy open issues
- 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 (4 projects out of compliance)

ACTION: Projects in red boxes need review (source https://tac.lfenergy.org/projects_with_bestpractices)

VULNERABILITIES

13.1K Unique Open Vulnerabilities
4.3K Unique Fixable Vulnerabilities
3.4K Unique Vulnerabilities Fixed

CODE SECRETS

3,810 CODE SECRET ISSUES

3.67% password in url	0.58% secret in xml
0.24% password in url params	0.05% google oauth
4.78% jwt token	5.17% secret assignment
0.03% sqlite database file	74.85% others

UNIQUE NON-INCLUSIVE LANGUAGE WORDS DETECTED

41 Unique Non-Inclusive Language Words Detected

18 Total Projects	2 Projects Successfully Scanned	11 Projects Partially Scanned	4 Projects Unsuccessfully Scanned
44.8K Upstream Dependencies	94 Types of licenses found	44 Languages	

ACTION: John to review and debug issues.

<h4>DLF ENERGY SOGNO</h4> <p>openstf best practices passing 50%</p> <p>TOTAL VULNERABILITIES 3.5K FOUND 543 FIXABLE 848 FIXED</p> <p>305 CODE SECRETS 295 NON-INCLUSIVE LANGUAGE WORDS</p> <p>35 TOTAL ISSUES 25 SCANNED ISSUES 1 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY GXF</h4> <p>Grid Exchange Fabric (GXF)</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 3.2K FOUND 1.2K FIXABLE 0 FIXED</p> <p>16 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>12 TOTAL ISSUES 4 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>There are not enough data points to render a vulnerabilities graph.</p> <p>View Dashboard</p>	<h4>DLF ENERGY OPENEEMETER</h4> <p>OpenEEMeter</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 2.7K FOUND 1.4K FIXABLE 1.2K FIXED</p> <p>6 CODE SECRETS 0 NON-INCLUSIVE LANGUAGE WORDS</p> <p>3 TOTAL ISSUES 3 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY POW5YBL</h4> <p>Pow5yBl</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 2.3K FOUND 1.6K FIXABLE 665 FIXED</p> <p>47 CODE SECRETS 1.2K NON-INCLUSIVE LANGUAGE WORDS</p> <p>47 TOTAL ISSUES 41 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>
<h4>DLF ENERGY FLEDGEPOWER</h4> <p>FledgePower</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 561 FOUND 4 FIXABLE 116 FIXED</p> <p>15 CODE SECRETS 73 NON-INCLUSIVE LANGUAGE WORDS</p> <p>23 TOTAL ISSUES 2 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY OPERATORFABRIC</h4> <p>OperatorFabric</p> <p>openstf best practices in progress 64%</p> <p>TOTAL VULNERABILITIES 378 FOUND 173 FIXABLE 29 FIXED</p> <p>1.2K CODE SECRETS 242 NON-INCLUSIVE LANGUAGE WORDS</p> <p>9 TOTAL ISSUES 4 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY COMPAS</h4> <p>CoMPAS</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 279 FOUND 187 FIXABLE 478 FIXED</p> <p>56 CODE SECRETS 154 NON-INCLUSIVE LANGUAGE WORDS</p> <p>20 TOTAL ISSUES 11 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY OPENSTEF</h4> <p>OpenSTEF</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 97 FOUND 8 FIXABLE 12 FIXED</p> <p>400 CODE SECRETS 9 NON-INCLUSIVE LANGUAGE WORDS</p> <p>5 TOTAL ISSUES 4 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>
<h4>DLF ENERGY SEAPATH</h4> <p>SEAPATH</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 46 FOUND 1 FIXABLE 17 FIXED</p> <p>40 CODE SECRETS 140 NON-INCLUSIVE LANGUAGE WORDS</p> <p>18 TOTAL ISSUES 4 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY HYPHAE</h4> <p>Hyphae</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 40 FOUND 40 FIXABLE 5 FIXED</p> <p>162 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>14 TOTAL ISSUES 12 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY EVEREST</h4> <p>EVerest</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 39 FOUND 11 FIXABLE 0 FIXED</p> <p>28 CODE SECRETS 2 NON-INCLUSIVE LANGUAGE WORDS</p> <p>34 TOTAL ISSUES 1 SCANNED ISSUES 16 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY SHAPESHIFTER</h4> <p>Shapeshifter</p> <p>openstf best practices in progress 67%</p> <p>TOTAL VULNERABILITIES 1 FOUND 1 FIXABLE 1 FIXED</p> <p>14 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>5 TOTAL ISSUES 1 SCANNED ISSUES 2 DISABLED ISSUES</p> <p>There are not enough data points to render a vulnerabilities graph.</p> <p>View Dashboard</p>
<h4>DLF ENERGY ARRAS</h4> <p>Arras</p> <p>TOTAL VULNERABILITIES 0 FOUND 0 FIXABLE 0 FIXED</p> <p>There are not enough data points to render a vulnerabilities graph.</p> <p>119 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>12 TOTAL ISSUES 0 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY FLEXMEASURES</h4> <p>FlexMeasures</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 0 FOUND 0 FIXABLE 0 FIXED</p> <p>There are not enough data points to render a vulnerabilities graph.</p> <p>203 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>5 TOTAL ISSUES 0 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY GRID CAPACITY MAP</h4> <p>Grid Capacity Map</p> <p>TOTAL VULNERABILITIES 0 FOUND 0 FIXABLE 0 FIXED</p> <p>There are not enough data points to render a vulnerabilities graph.</p> <p>3 CODE SECRETS 336 NON-INCLUSIVE LANGUAGE WORDS</p> <p>3 TOTAL ISSUES 0 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>	<h4>DLF ENERGY OPENLEADR</h4> <p>OpenLEADR</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 0 FOUND 0 FIXABLE 0 FIXED</p> <p>There are not enough data points to render a vulnerabilities graph.</p> <p>35 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>5 TOTAL ISSUES 0 SCANNED ISSUES 0 DISABLED ISSUES</p> <p>View Dashboard</p>

All current projects accepted before 12/1 had license scans done at the end of December

ACTION: Review latest license scans sent from Jeff Shapiro and address open issues

JS

Jeff Shapiro <jshapiro@linuxfoundation.org>

December 29, 2023, 10:19 PM

LF Energy - SEAPATH License Scan and Findings - Dec 2023

To: SEAPATH-TSC <SEAPATH-TSC@lists.lfenergy.org> Cc: & 1 more

[Details](#)

Hi Team,

Here are the results from the December 2023 license scan of the SEAPATH project. The scan was performed using the Linux Foundation Fossology server. Licenses and copyrights were examined.

The key findings (if any) and license summary can be found in the HTML report, the list of files in the spreadsheet, and also find the SPDX file listed below:

NOTE: I recommend that SPDX license identifiers be added to ALL source file headers. [see <https://spdx.dev/learn/handling-license-info> for examples]

NOTE: There are high priority key findings, please address these as soon as possible:

Finding #1

Priority: High

These files have an Apache-2.0 notice, but they also contain a comment indicating that they contain code from a third-party GPL v2 project.

The GPL v2 license is generally understood as prohibiting GPL v2 code from being incorporated into another work under a different license. The GPL v2 code from the upstream project should likely be removed and rewritten without using that project's code.

4 files

Finding #2

Priority: High

These files indicate that they contain content (or refer to a 3rd party dependency) under a version of the LGPL, typically seen as a weak copyleft license. Although LGPL content can be used in compatible ways with Apache-2.0 projects, its code should not be intermingled with code that needs to remain Apache-2.0, and it imposes some requirements that users of an Apache-2.0 project may not expect. The project may want to remove these files and replace them with permissively-licensed alternatives if that is feasible.

4 files

Finding #3

Priority: High

These recipes appear to contain some patches and code files that are under GPL-2.0, a strong copyleft license which is typically seen as incompatible with Apache-2.0 in many instances.

This may be okay, to the extent that the recipe is patching a GPL-2.0 project. However, for the patches / files that are GPL-2.0, will these be interacting with the project's Apache-2.0 code?

14 files

Finding #4

Priority: High

These files are under a GPL license which may conflict with your project license, especially if they are source code that is integrated with other code. Unless they are 100% separate and stand-alone, they need to be removed from your repo.

12 files

REPORTS:

lfenergy/seapath, code pulled 2023-12-23

- report: <https://liscanning.org/reports/lfenergy/seapath-2023-12-23-1eed5565-a64d-4d91-a21f-645536f1a512.html>

- xlsx: <https://liscanning.org/reports/lfenergy/seapath-2023-12-23-1eed5565-a64d-4d91-a21f-645536f1a512.xlsx>

- spdx: <https://github.com/liscanning/spdx-lfenergy/tree/master/seapath/2023-12/seapath-2023-12-23.spdx>

Please feel free to contact me with any questions about the scan results. Be sure to reply to me directly as I may not get an email sent directly to the distribution list.

Thanks, Jeff

Security Audits through Open Source
Technology Improvement Fund.

Priority Focus for 'Early Adoption' projects

In progress:

- SEAPATH - in progress
- EVerest - planned kickoff in Q1 2024
- PowSyBL - planned kickoff late Feb 2024

TODO:

- GXF
- OperatorFabric
- 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

Sylva Project Proposal

5:20 pm - 5:40 pm

OLFENERGY

OpenFido Annual Review

5:40 pm - 6:00 pm

OLFENERGY

Annual Review for OpenFIDO

David P. Chassin, SLAC National Accelerator Laboratory
Stanford University, Menlo Park, California
30 January 2024

QLFENERGY

Open Framework for Integrated Data Operations

OpenFIDO is a utility power and energy data integration, simulation, and analysis pipeline management tool.

OpenFIDO was developed by the California Energy Commission to allow utilities in California to easily generate and share results of analyses from tools such as Arras Energy for emerging use-cases such as hosting capacity analysis, extreme event resilience, deep electrification, and modern tariff design.



<https://openfido.org/>

Incubation Project review criteria

To be considered for the Incubation Stage, the project must meet the following requirements:

- Have an open and documented technical governance, including:
 - ✓ A LICENSE file in every code repository, with the license chosen an [OSI-approved license](#).
 - ✓ A README file welcoming new community members to the project and explaining why the project is useful and how to get started.
 - A CONTRIBUTING file explaining to other developers and your community of users how to contribute to the project. The file should explain what types of contributions are needed and how the process works.
 - A CODEOWNERS or COMMITTERS file to define individuals or teams that are responsible for code in a repository; document current project owners and current and emeritus committers.
 - ✓ A CODE_OF_CONDUCT file that sets the ground rules for participants' behavior associated and helps to facilitate a friendly, welcoming environment. By default projects should leverage the [Linux Foundation Code of Conduct](#) unless an alternate Code of Conduct is approved prior.
 - A RELEASE file that provides documentation on the release methodology, cadence, criteria, etc.
 - A GOVERNANCE file that documents the project's technical governance.
 - A SUPPORT file to let users and developers know about ways to get help with your project.
- Complete and approve the Technical Charter and agree to transfer any relevant trademarks to The Linux Foundation or its affiliate, LF Projects, LLC, and to assist in filing for any relevant

unregistered ones.

Incubation Project review criteria (continued)

- Have achieved and maintained an [OpenSSF Best Practices Badge](#) at the 'Passing' level.
- Have had a successful license scan with any critical issues remedied.
- Have a defined project mission and scope
- The project's functional architecture is built out in the [LF Energy ArchiMate tool](#).
- An overview of the project's architecture and features defined.
- The project roadmap defined, which should address the following questions.
 - ✓ What use cases are possible now?
 - What does the next year look like in terms of additional features and use cases covered?
- Community and contributor growth assessment
 - ✓
 - The current number of contributors and committers, and the number of different organizations contributing to the project.
 - Demonstrate a sustained flow of commits / merged contributions
 - A credible plan for developing a thriving user community, in particular expanding the number of committers and contributors?
 - An outline of the plan for the project to complete the requirements for the Early Adoption stage
- Receive the affirmative majority vote of the TAC.

Contributions

- 13 developer from 5 organizations
- No activity since final delivery to CEC was completed in September
- TSC formed Jan 2024 with members from the following organizations
 - SLAC National Accelerator Laboratory (Stanford University)
 - California Energy Commission
 - Hitachi
 - Amazon

Organizations contributing and/or using in production



Key Achievements in the past year

- ★ Successfully completed development and deployment contract with CEC
- ★ Recruited initial TSC members

Areas the project could use help on

- Advice on how to grow and thrive in LF ecosystem
 - How to support and coordinate with LF Energy projects that could use OpenFIDO
- Guidance on LF Energy Functional Architecture Model

Feedback on working with LF Energy

- Legal concerns where DOE regulations intersect with LF Energy policies
- Some of the guidelines and tools are difficult to follow and use
 - Multiple logins and different platforms that seem to do similar things
 - Instructions sometimes don't match actual operation of tools or even seem irrelevant
- There is an assumption that project staff know how/what to do
 - More accessible/relevant tutorials, examples, and detailed guides would be very helpful
- Team is very helpful with these issues (special thanks to John and Yarille)

Dyanwo Annual Review

6:00 pm - 6:20 pm

DLFENERGY

Marketing/PR/Events Updates

6:20 pm - 6:25 pm

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Marketing and PR Updates

dbrown@linuxfoundation.org
+1 415-420-7880

- [Announced](#) the Joint Office of Energy & Transportation's partnership with LF Energy EVerest
 - [Webinar](#) took place yesterday - recording available soon
- Developing Seed ReCharger case study and webinar with EVerest project (jointly with LF Zephyr project which is also used in the product) - targeting February
- Drafted blog post about SAM use cases - awaiting review from SAM team
 - Planning a webinar around the project in the coming months
- Power Grid Model recently hosted both a meetup and a workshop
- CoMPAS also hosted a 2-day meetup
- [OpenSTEF webinar](#) scheduled for 1 March
- Videos / Webinars - recently [audited](#) our collection of project videos
 - In process of reaching out to those without videos or with videos over a year old to schedule recordings
- Use this [form](#) to submit any comms/marketing support requests

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](#)
- [Power Electronics - Revolutionizing Energy Infrastructure: The Rise of Fully Digital Grids \(Podcast\)](#)
- [Microgrid Media - Revolutionizing the Energy Landscape: The Emergence of Microgrids](#)
- [North American Clean Energy - LF Energy Open Sustainable Technology Project Launches ClimateTriage.com to Connect Developers with Impactful Sustainability Projects](#)
- [Climate Tech Review - ClimateTriage is GitHub for Climate Action](#)
- [EnergyCentral - New Resource to Connect Developers with Technical Projects Focused on Sustainability](#)
- [TFIR - Open Source Can Help With How We Consume And Produce Electricity | Luis Maria Zamarreño](#)
- [TFIR - LF Energy Is Bringing Different Players Together To Combat Energy Crisis | Christophe Villemer – Savoir-faire Linux](#)

Events

- FOSDEM 2024 - 3-4 Feb, Brussels
 - [Energy Devroom](#) taking place all day Saturday, 3 Feb
 - We will also host a panel in the main track regarding the upcoming Open Renewable Energy Systems Initiative - 4 Feb at 16:00 in Janson Room
- [Open Sustainability Policy Summit](#) - 2-3 May, Washington, DC
 - This event will be hosted by Johns Hopkins University at their DC facility
 - LF Energy will be responsible for curating the content
 - [CFP](#) now live - proposals due by Feb 16
- LF Energy Summit 2024 (pending contracts with venue)
 - Marriott Grand Place Brussels
 - September 5-6, 2024
 - [Preliminary sponsorship prospectus](#) - will be updated once all contracts are signed
 - CFP to open in early March
- DISTRIBUTECH - 26-29 Feb, Orlando
 - 6 LF Energy members will be exhibiting
 - James Sullivan from our member solutions team will be onsite for discussions with potential new members
- [Event tracker](#) - please review and add any additional opportunities

Upcoming Event CFPs

- [Carbon Tracking & Reporting - March 26-27, 2024 - Rolling submission deadline](#)
- [Energy Thought Summit - April 15-18, 2024 - Rolling submission deadline](#)
- [MOVE London - June 19-20, 2024 - Rolling submission deadline](#) (for this one, we should email cormac.martin@terrapinn.com with speaking proposals)
- [T&D World Live - October 1-3, 2024 - Submission due Feb 15](#)

Ambassador Program

- Looking at standing up an Ambassador Program for 2024. Examples from other LF projects can be seen at:
 - <https://www.cncf.io/people/ambassadors/>
 - <https://openmainframeproject.org/about/ambassadors/>
- [6 Applications](#) were received
 - LFE staff are comfortable with all of these individuals so encourage the TAC to approve them as Ambassadors
- 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.
- We would like to line up a few more, so applications remain open at <https://lfenergy.org/ambassador-program/>

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 20 February 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 - OpenWallet/VC API Project Proposal
- Annual Review - Hyphae Annual Review
- Annual Review - Power Grid Model Annual Review
- 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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