

# Technical Advisory Council (TAC) Meeting

14 October 2025

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# 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://tac.lfenergy.org/meetings/>

# Antitrust Policy Notice

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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 [linuxfoundation.org/antitrust-policy](https://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.

# Agenda

All Times in Central European Time Zone

- 5:00 pm - 5:10 pm - Opening and General Updates
  - TAC member updates and annual review date reminders
  - SIG updates and meeting schedule
  - Project Pipeline
  - TAC Priorities 2025 [#436](#)
  - Project Services Funding [#613](#)
  - Project website policy [#582](#)
- 5:10 pm - 5:30 pm - New Project/Working Group Proposal: Project Origin [#576](#)
- 5:50 pm - 6:10 pm - Annual Review: Archimate [#93](#)
- 6:10 pm - 6:30 pm - Annual Review: GEISA [#230](#)
- 6:30 pm - 6:30 pm - Closing and Next Meeting

Marketing/PR/Events updates in APPENDIX

# Opening and General Updates

5:00 pm - 5:10 pm

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# Technical Advisory Council (TAC) voting representatives

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**Antonello Monti**

Chair  
Professor  
RWTH Aachen  
University



**Art Pope**

Member of  
Technical Staff  
Google LLC



**Boris DOLLEY**

Director of OSPO  
and Sustainable IT  
Strategy  
RTE (Reseau de  
Transport  
dElectricite)



**Bryce Bartmann**

Chief Digital  
Technology Advisor  
Shell International  
Exploration &  
Production, Inc.



**Clément Bouvier**

Software engineer  
RTE (Reseau de  
Transport  
dElectricite)



**Jonas van den  
Bogaard**

Vice Chair  
Open Source Office  
Lead  
Alliander



**Maarten Mulder**

PO IoT Field Device  
Platforms  
Alliander



**Moïse K. Kameni**

Entreprise Architect  
and Head of Open  
Source Program  
Office  
Hydro-Québec



**Peter Mitri**

Individual - No  
Account



**Travis Sikes**

Data Science  
Manager  
Recurve

# Projects



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# TAC Meeting Schedule 2025

The TAC meetings are monthly, on the second Tuesday of the month at 8:00am US Pacific Time/11:00am US Eastern Time unless otherwise noted.

- ~~— February 11~~
- ~~— March 11~~
- ~~— April 8~~
- ~~— May 13~~
- ~~— June 10~~
- ~~— July 8~~
- ~~— **September 2** (*one week earlier*)~~
- ~~— *September 9 (joint meeting with GB 4:00pm CET at LF Energy Summit)*~~
- **October 14**
- November 11
- December 9

# Project and Working Group Leads

Name	Chair
Arras	David Chassin
Battery Data Alliance	Gabe Hege
CitrineOS	Thana Paris
CoMPAS	Sander Jansen
Connected Data Specification - Customer Data Working Group (CDS WG3)	Daniel Roesler
Connected Data Specification - Power Systems Data Working Group (CDS WG2)	Stephen Suffian
Connected Data Specification - Registration Working Group (CDS WG1)	Daniel Roesler
covXtreme	Sachin Bhakar
CUPID (Controllable Unit Protocol Interface for DER)	
Dynawo	Marco Chiaramello
EVerest	Marco Möller
FIDOPower	David Chassin
FledgePower	Romain Lebrun Thauront
FlexMeasures	Nicolas Höning
Grid Edge Interoperability & Security Alliance (GEISA)	Michael Stuber, Richard Lam
Grid eXchange Fabric (GXF)	Maarten Mulder

Grid Vantage	Alyona Teyber
Grid2Op	Benjamin Donnot
GridFM	François Mirallès
Hyphae	Arila Barnes
LF Energy Semantic Energy Framework (LFE-SEF)	Barry Nouwt
NODE Collective	Deandrea Salvador
OpenDSM	Travis Sikes
OpenLEADR	Arila Barnes, Stan Janssen, Hugo Van De Pol
OpenSTEF	Daan Van Es
OpenSynth	Gus Chadney
OperatorFabric	Frédéric Didier
ORES (Open Renewal Energy Systems)	Chris Xie
Power Grid Model	Peter Saleminck
PowSyBL	Sophie Frasnedo
Real Time Data Ingestion Platform (RTDIP)	Bryce Bartmann
SC Decarbonisation Hub	Sachin Bhakar
SEAPATH	Eloi Bail
Shapeshifter	Robben Riksen
SOGNO	Antonello Monti
TROLIE	Christopher Atkins

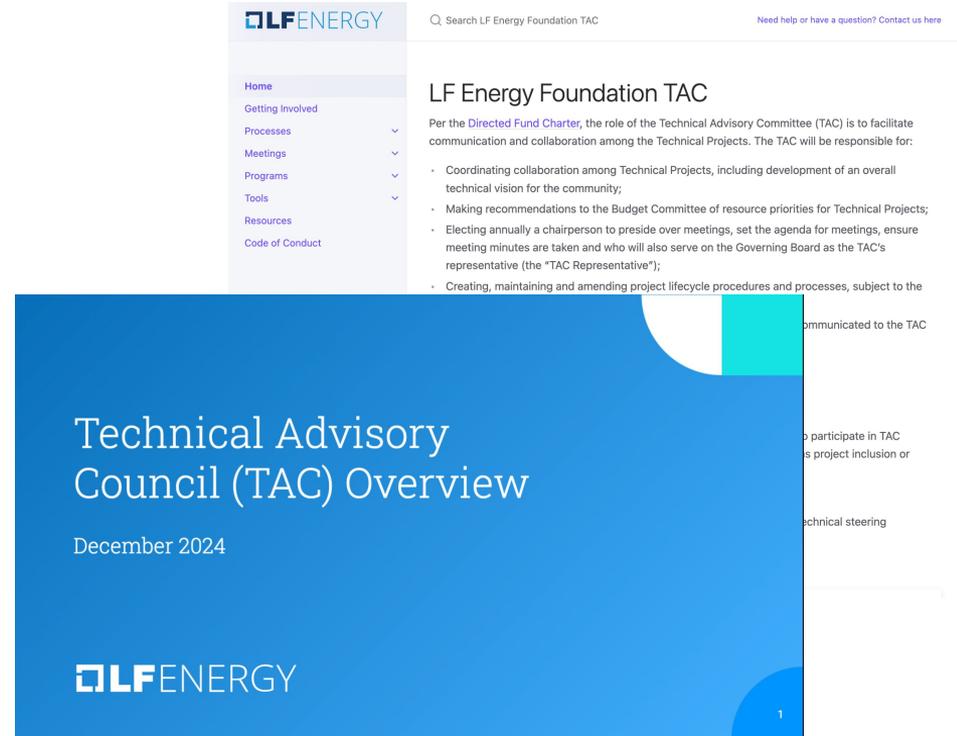
# SIGs and SIG Leaders

<b>Name</b>	<b>Chair</b>
AI SIG	Alexandre Parisot
Archimate SIG	Jonas van den Bogaard
Digital Substations SIG	Jos Zenner, Maxime Pelletier
EV Charging SIG	Robert De Leeuw, Thana Paris
Grid Simulation and Modeling SIG	Thomas Van Dijk

# TAC Resources

- TAC Website - <https://tac.lfenergy.org>
  - Contains all the TAC policies and meeting materials, as well as guides to using the various LF Energy tools
- TAC Overview - [https://github.com/lf-energy/foundation/blob/main/overview\\_deck/LF%20Energy%20TAC%20Overview.pdf](https://github.com/lf-energy/foundation/blob/main/overview_deck/LF%20Energy%20TAC%20Overview.pdf)
  - Guide for TAC members on their role and how to navigate LF Energy
- Project Resource Request form - [https://tac.lfenergy.org/tools/resource\\_request.html](https://tac.lfenergy.org/tools/resource_request.html).

Questions/feedback - let us know!



The image shows a screenshot of the LF Energy Foundation TAC website and a presentation slide. The website screenshot includes the LF Energy logo, a search bar, and a navigation menu with items like Home, Getting Involved, Processes, Meetings, Programs, Tools, Resources, and Code of Conduct. The main content area is titled "LF Energy Foundation TAC" and lists the role of the TAC and its responsibilities, such as coordinating collaboration, making recommendations, and creating project lifecycle procedures. The presentation slide is titled "Technical Advisory Council (TAC) Overview" and is dated "December 2024". It features the LF Energy logo and a page number "1".

# Annual Review Schedule - TAC

Source:  
[https://tac.lfenergy.org/process/review\\_cycle.html](https://tac.lfenergy.org/process/review_cycle.html)

Name	Last Review Date	Next Review Date
Grid Edge Interoperability & Security Alliance (GEISA)		10/14/2025
Archimate SIG		10/14/2025
AI SIG	10/29/2024	11/11/2025
FlexMeasures	11/20/2024	11/11/2025
GridFM	10/29/2024	11/11/2025
NODE Collective	4/2/2024	11/11/2025
SC Decarbonisation Hub		11/11/2025
Connected Data Specification - Customer Data Working Group (CDS WG3)		12/9/2025
Connected Data Specification - Power Systems Data Working Group (CDS WG2)		12/9/2025
Connected Data Specification - Registration Working Group (CDS WG1)		12/9/2025
Digital Substations SIG		12/9/2025
Grid2Op	2/11/2025	12/9/2025
TROLIE	9/6/2023	12/9/2025
EV Charging SIG		1/13/2026
Grid Simulation and Modeling SIG		1/13/2026
Hyphae	2/11/2025	2/10/2026
LF Energy Semantic Energy Framework (LFE-SEF)	4/23/2024	3/10/2026
OpenSynth	3/11/2025	3/10/2026
ORES (Open Renewal Energy Systems)	4/8/2025	4/14/2026
Shapeshifter	4/8/2025	4/14/2026
OpenDSM	5/13/2025	5/12/2026
SOGNO	5/13/2025	5/12/2026
Grid Modernisation Framework (GMF)	5/2/2025	5/11/2026

# Annual Review Schedule - SIG

SIG Leaders - please share how recent reviews have went, and let us know if the schedule/alignment is still

correct - contact email

[support@lfenergy.org](mailto:support@lfenergy.org)

Source:

[https://tac.lfenergy.org/process/review\\_cycle.html](https://tac.lfenergy.org/process/review_cycle.html)

<b>Name</b>	<b>Last Review Date</b>	<b>Next Review Date</b>	<b>SIG</b>
Grid Vantage	9/26/2023	6/4/2025	Grid Simulation and Modeling
CitrineOS	11/27/2024	11/26/2025	EV Charging
PowSyBL	12/4/2024	12/3/2025	Grid Simulation and Modeling
FlexMeasures	11/20/2024	12/17/2025	EV Charging
SEAPATH	1/14/2025	1/13/2026	Digital Substations
EVerest	1/22/2025	1/28/2026	EV Charging
OpenSTEF	2/5/2025	2/4/2026	Grid Simulation and Modeling
Power Grid Model	2/5/2025	2/4/2026	Grid Simulation and Modeling
Hyphae	2/11/2025	2/10/2026	EV Charging
covXtreme	4/2/2025	4/1/2026	Grid Simulation and Modeling
Dynawo	10/1/2025	4/1/2026	Grid Simulation and Modeling
ORES (Open Renewal Energy Systems)	4/8/2025	4/14/2026	EV Charging

# SIG Meeting Schedule for October

All SIG meetings can be found on the LF Energy calendar ([calendar.lfenergy.org](https://calendar.lfenergy.org)) as well as the SIG Calendar ([sigcalendar.lfenergy.org](https://sigcalendar.lfenergy.org))

Days/times listed are US Eastern Time

➔ **SIG Leaders - share any updates for your SIGs**

October 2025	
Wednesday 1	
9:00am - 10:00am	● Grid Simulation and Modeling SIG Monthly Meeting
Tuesday 7	
10:00am - 11:00am	● Digital Substation SIG
11:00am - 12:00pm	● LF Energy AI Special Interest Group (SIG) meeting
Wednesday 22	
9:00am - 10:00am	● EV Charging SIG Monthly Meeting
Thursday 23	
11:00am - 12:00pm	● grid connection planning

# Project Pipeline

<https://github.com/orgs/lf-energy/projects/2/views/5>

- [CityLearn](#) is an open source Farama Foundation Gymnasium environment for the implementation of advanced controllers for demand side building energy coordination and demand response in cities. It's focus is on residential buildings with the goal to shape the aggregated load profile using local and coordinated DERs. Submitted April 23, 2025; currently in LF Onboarding
- [Global Granular Certificate Registry](#) is a vendor-neutral, open-source, cloud-native ledger that issues, tracks, and retires Granular Certificates (GCs). Submitted June 11, 2025; currently in LF Onboarding.
- [PowerCore](#) will provide a vendor-agnostic, hardware-generic industrial informatics API for power-electronics systems, enabling portable, maintainable control firmware across diverse microcontroller SoCs. Submitted July 28, 2025; currently in LF Onboarding.
- [Utility Rate Plan Exchange \(URPX\)](#) aims to develop a comprehensive, standardized method for representing and exchanging utility rate plan data in machine-accessible format. Submitted August 3, 2025; currently in LF Onboarding and scheduled for LFESS review on Oct 9.
- [Fledge](#) is a leading open source industrial edge platform for industrial data pipelines, intelligent edge applications and ML. Currently an LF Edge Foundation project, in discussions to move into LF Energy
- AINETUS, open source artifacts from [AI4REALNET](#), aims to develop AI-based solutions addressing critical systems (electricity, railway, and air traffic management), but electrical power grids in particular, modelled by networks that can be simulated, and are traditionally operated by humans, and where AI systems complement and augment human abilities. Currently in LF Onboarding and preparing project proposal.

## Older projects in LF Onboarding

- [OneNet Framework](#) - awaiting approval of governance documents
- [pyELQ: python Emission Localization and Quantification](#) - working on name rights issues

# TAC Priorities as aligned to with TAC

## DONE

- ✓ Move to monthly TAC meetings instead of every 3 weeks
- ✓ Start office hours for SIG leaders to share best practices ( working on date/time reschedule )
- ✓ Spin down Data Standards and Tooling and Grid Operations SIGs
- ✓ Move affected project annual reviews to the TAC
- ✓ Security Audits - TAC align on two projects to prioritize ( EVERest, PowSyBL )
- ✓ Project workshops with LF Energy Summit (tentatively Sep 10-11 in Aachen, Germany)
- ✓ Revisit TAC Leadership structure
- ✓ Project landscape <https://landscape.lfenergy.org/> - Update this to reflect the latest projects and how we want to message the ecosystem
- ✓ Include LFESS Working Groups in TAC annual review process.
- ✓ Process for projects to request resources/funding for cloud infrastructure ( <https://github.com/lf-energy/tac/issues/477> )
- ✓ Improve SIG support and interface to the TAC ( <https://github.com/lf-energy/tac/issues/544> )

## CURRENT FOCUSES

- Documentation audit/support ( <https://github.com/lf-energy/tac/issues/546> )

## NEXT FOCUSES

- Security Audits - TAC to prioritize next project(s) to focus on ( [Determine prioritization for Security Audits #408](#) )
- Project Lifecycle - Review and make adjustments to align with current project needs ( last changes made in 2021 )
- Assemble and execute on a plan to inject fresh energy and increase engagement with the TAC

# Items for TAC review

- Project website policy ([#582](#))
  - Presented during last TAC meeting; if no concerns we will do an LFX Vote to approve.
- Documentation audit/support ([#546](#))
  - Added doc for TAC and projects to review.
- Project Lifecycle review/refresh ([#650](#))
  - Look for survey to be sent to project leads to assess.
- Determine prioritization for Security Audits ([#408](#))
  - 4 of 6 Early Adoption projects have completed a security audit
  - GXF has had an internal security audit, and SOGNO is a bit different and needs some discussion
  - Proposal - focus on 5 Incubation projects to do lighter weight “security threat model” review.
    - Cost/time much less, focuses on helping projects assess their security posture and less on deep analysis ( but will report issues found along the way.
    - Recent example:  
<https://www.shielder.com/blog/2025/07/materialx-and-openexr-security-audit/>
- **DISCUSSION: Should TAC pursue this for 2026?**

# Project License Scans sent to projects

Each project should have received an email from Jeff Shapiro, sent to your TSC private list. The scan contains both a license summary for the project, as well as a dependency scan and a SBOM.

## ACTIONS:

- **Review scan results**
- **Address any key findings**
- **Let Jeff Shapiro know if you have any questions/concerns**



LF Energy - Shapeshifter License Scan and Findings - Sept 2025 External Inbox x

◆ Summarize this email

Jeff Shapiro + Add to HubSpot 6:11 AM (3 hours ago) ☆ ⏪ ⋮  
to shapeshifter-private, me ▾

+ Create task

Log email to HubSpot ▾

Hi Team,

Here are the results from the September 2025 license scan and audit of the Shapeshifter project. The scan was performed using the Linux Foundation FOSSology server. Licenses and copyrights were examined.

The following reports are listed below:

- report: License summary HTML report with key findings (source scan results only)
- xlsx: Source Scan License spreadsheet
- spdx: SPDX file (source scan results only)
- sbom xlsx: Dependency Scan License spreadsheet
- sbom json: SBOM (source and dependency scan results)

KEY FINDINGS: There are no key findings from this scan.

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

# Call for Collaboration: Safe-OSE Proposal with LF Energy ([#636](#))

William & Mary and UIUC is preparing a proposal for the NSF Safe-OSE (Safe Open-Source Ecosystems) program, which will fund efforts to improve the safety, security, and privacy of mature open-source projects. The program will build long-term resilience (tools, practices, and processes) that will make critical open-source projects more secure, sustainable and trustworthy. Example activities funded by Safe-OSE include:

- Core product security (e.g., static analysis, memory-safe rewrites)
- CI/CD improvements (e.g., automated testing, software composition analysis)
- Supply chain transparency (e.g., SBOMs, vulnerability scanning)
- Sociotechnical resilience (e.g., maintainer vetting, response planning, education)

William & Mary and UIUC would like to work with 1-2 projects in LF Energy as a part of this grant initiative.

1. Proposal: Led by William & Mary and UIUC in collaboration with LF Energy, our project will:
  - Deliver advanced SBOM (Software Bill of Materials) management tools that align with evolving standards (e.g., SPDX 3.0, NTIA, CISA standards).
  - Proactively manage security and privacy risks across the software development lifecycle.
  - Provide machine-readable compliance evidence that regulators and downstream users can trust.
  - Strengthen project resilience through improved CI/CD, vulnerability management, and socio-technical best practices.
2. Benefits for Maintainers: By joining, your project will:
  - Gain early access to tools for vulnerability detection, SBOM accuracy, and compliance reporting.
  - Receive research and development support from our team.
  - Increase visibility to funders, regulators, and adopters as a secure, sustainable project.
  - Build user trust by demonstrating safety, compliance, and resilience.
3. What efforts are needed from project maintainers: Your effort will be light and spread across three phases:
  - Proposal Preparation (Fall 2025): Share your project's main challenges or security needs so we can set goals that address them with tailored solutions.
  - Proposal Submission (Jan 2026): Provide a support letter for our application.
  - Project Execution (if funded) (2026-2028): Collaborate with us by testing proposed tools, offering feedback, and (if useful) exploring integration into your CI/CD pipelines.

# New Project/Working Group Proposal: Project Origin [#576](#)

5:10 pm - 5:30 pm

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# Annual Review: Archimate #93

5:50 pm - 6:10 pm

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# Annual Review: GEISA #230

6:10 pm - 6:30 pm

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# Closing and Next Meeting

6:30 pm - 6:30 pm

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# Next TAC Meeting

The following meeting of the LF Energy TAC is scheduled for November 11, 2025 at 4:00 pm Central European Time  
Agenda tentatively to include:

- General Updates
- Annual Review: GridFM [#260](#)
- Annual Review: NODE Collective [#108](#)
- Annual Review: AI SIG [#53](#)
- 
- 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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# APPENDIX

Marketing/PR/Events Updates

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# Marketing and PR Updates

- Webinars
  - [OpenDSM webinar](#) took place 24 Sept
  - SEAPATH scheduling for November
- News
  - [Record Breaking Attendance at LF Energy Summit Europe Drives Open Source Collaboration for the Energy Transition](#)
  - [Linux Foundation Energy Announces New Members and Key Advances in Open Source Infrastructure](#)
  - [OperatorFabric 4.9.0 Release: Enhanced Custom Screen Features](#)
  - [Digital Substation Pt.2 – Insights](#) - contributed by Guillaume Tucker
- Content
  - PowSyBl case study with LF Europe slated to publish soon
  - Ambassadors are collaborating on a new white paper on open source for energy systems
- Website
  - Content updates to project pages complete; awaiting new page template from web team
- [Event tracker](#) - please review and add any additional opportunities
- Use this [form](#) to submit any comms/marketing support requests
- See [media coverage spreadsheet](#) or [website](#) for recent articles

# Events

- Final attendance at LFE Summit Europe: 363 - nearly 50% growth from 2024
  - All videos, photos, and slides now available
  - Post-event report being developed, but we would love any feedback from those who attended
- Final attendance at LFE Summit North America: 93
- OSPOlogy Live - 5-6 November in Lyon
  - Hosted by RTE, organized by TODO Group and LF Energy
  - Featuring content on OSPO best practices, with an emphasis on energy stakeholders
- Enlit - 18-20 November in Bilbao
  - Open source panel exclusively with LF Energy members on 18 November
  - Hosted happy hour scheduled for 19 November
  - Additionally, we are coordinating with members who have booths onsite to provide messaging and collateral

# Upcoming Event CFPs

## Europe

- [Energy Tech Summit - April 15-16, 2026 - Bilbao - Speaking submissions due October 14](#)
- [AVEVA World - May 19-21, 2026 - Milan - Speaking submissions due October 17](#)
- [CIREN - June 9-10, 2026 - Brussels - Speaking submissions open on 10 September; close 1 December](#)
- [EMPower Europe - June 22-23, 2026 - Munich - Speaking submissions due Dec 5](#)