Technical Advisory Council (TAC) Meeting

8 April 2025

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Meeting information

➔ Meeting to begin at 4:00 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 - 5:15pm - Opening and General Updates
  - TAC member updates and project review date reminders
  - Project Pipeline
  - Previously TAC approved projects stalled in LF onboarding (https://github.com/lf-energy/tac/issues/390)
  - TAC Priorities 2025 review (https://github.com/lf-energy/tac/issues/436)
- 5:15 pm - 5:25 pm - New Project Exploration (https://github.com/lf-energy/tac/issues/483)
- 5:25 pm - 5:45 pm - Open Renewable Energy System (ORES) Working Group Annual Review (https://github.com/lf-energy/tac/issues/107)
- 5:45 pm - 6:05 pm - Shapeshifter Annual Review (https://github.com/lf-energy/tac/issues/136)
- 6:05 pm - 6:15pm - SAM proposal to move to Emeritus (https://github.com/lf-energy/tac/issues/411)
- 6:15 pm - 6:25 pm - Marketing/PR/Events updates
- 6:25 pm - 6:30 pm - Closing and Next Meeting

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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
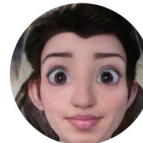Software engineer
RTE (Reseau de Transport dElectricite)

Jonas van den Bogaard
Vice Chair
Open Source Office Lead
Alliander

Maarten Mulder
PO IoT Field Device Platforms
Alliander

Sophie Frasnedo
Software developer
RTE (Reseau de Transport dElectricite)

Travis Sikes
Data Science Manager
Recurve

Yixing Xu
Senior Program Manager, Energy Strategy
Microsoft Corporation

Projects

Project and Working Group Leads

Name	Chair
Arras	David Chassin
Battery Data Alliance	Gabe Hege
CDSC Connectivity WG (WG3)	
CDSC Customer Data WG (WG1)	
CDSC Power System Data WG (WG2)	
CitrineOS	Thana Paris
CoMPAS	Sander Jansen
covXtreme	Sachin Bhakar
CUPID (Controllable Unit Protocol Interface for DER)	
Dynaωo	Marco Chiaramello
EVerest	Marco Möller
FledgePower	Akli Rahmoun
FlexMeasures	Nicolas Höning
Grid Edge Interoperability & Security Alliance (GEISA)	Michael Stuber, Richard Lam
Grid eXchange Fabric (GXF)	Maarten Mulder

Grid2Op	
GridFM	François Mirallès
Hyphae	Arila Barnes
NODE Collective	Deandrea Salvador
OpenDSM	Travis Sikes
OpenLEADR	Arila Barnes, Hugo Van De Pol, Stan Janssen
OpenSTEF	Daan Van Es
OpenSynth	Gus Chadney
OperatorFabric	Frédéric Didier
Power Grid Model	Tony Xiang
PowSyBl	Sophie Frasnedo
Real Time Data Ingestion Platform (RTDIP)	Bryce Bartmann
SAM WG Architecture	
SAM WG Use Cases	
SC Decarbonisation Hub	Sachin Bhakar
SEAPATH	Eloi Bail
Shapeshifter	Robben Riksen
SOGNO	Antonello Monti

SIGs and SIG Leaders

Name	Chair
AI SIG	Alexandre Parisot
Digital Substations SIG	Jos Zenner, Maxime Pelletier
EV Charging SIG	Robert Leeuw, Thana Paris
Grid Simulation and Modeling SIG	Thomas Van Dijk

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Annual Review Schedule - TAC

Source: https://github.com/orgs/lf-energy/projects/2/views/2?sliceBy%5Bvalue%5D=2-annual-review-tac

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Title	Scheduled Date	Last Review Date
Shapeshifter	April 8, 2025	May 14, 2024
Open Renewable Energy System (ORES) Working Group	April 8, 2025	March 12, 2024
OneNet Framework	May 13, 2025	May 14, 2024
SOGNO	May 13, 2025	April 23, 2024
Battery Data Alliance	May 13, 2025	August 27, 2024
OpenDSM	June 10, 2025	September 17, 2024
Grid eXchange Fabric (GXF)	June 10, 2025	September 18, 2024
SC Decarbonisation Hub	June 10, 2025	
OperatorFabric	July 8, 2025	July 16, 2024
NODE Collective	July 8, 2025	April 2, 2024
Real Time Data Ingestion Platform (RTDIP)	July 8, 2025	January 30, 2024
OpenLEADR	July 8, 2025	November 23, 2021
GridFM	October 14, 2025	October 29, 2024
Archimate WG	October 14, 2025	October 29, 2024
Grid Edge Interoperability & Security Alliance (GEISA)	October 14, 2025	
FlexMeasures	November 11, 2025	November 20, 2024
AI SIG	November 11, 2025	October 29, 2024
Digital Substations SIG	December 9, 2025	
TROLIE	December 9, 2025	
Grid2Op	February 10, 2026	February 11, 2025
Hyphae	February 10, 2026	February 11, 2025
OpenSynth	March 10, 2026	March 11, 2025
InterConnect SIF (Semantic Interoperability Framework)		April 23, 2024
EV Charging SIG		
Grid Simulation and Modeling SIG		

Annual Review Schedule - SIG

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

Source:

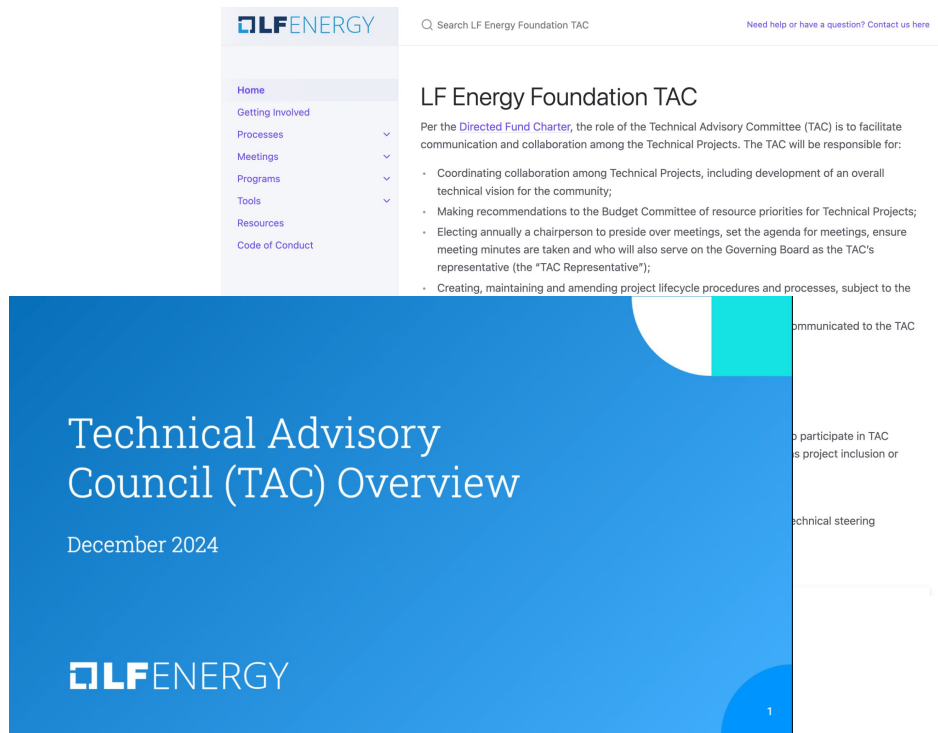https://github.com/orgs/lf-energy/projects/2/views/2?sliceBy%5Bvalue%5D=2-annual-review-sig

Title	Scheduled Date	Last Review Date	SIG
EVerest	January 22, 2025	January 9, 2024	EV Charging
CitrineOS	November 26, 2025	November 27, 2024	EV Charging
FIDOPower	January 21, 2025	January 30, 2024	Grid Simulation and Modeling
covXtreme	April 2, 2025		Grid Simulation and Modeling
Dynaœâo	June 25, 2025	January 30, 2024	Grid Simulation and Modeling
Arras	September 3, 2025	July 16, 2024	Grid Simulation and Modeling
PowSyBl	December 3, 2025	December 4, 2024	Grid Simulation and Modeling
Power Grid Model	February 4, 2026	February 5, 2025	Grid Simulation and Modeling
OpenSTEF	February 4, 2026	February 5, 2025	Grid Simulation and Modeling
Grid Resilience and Intelligence Platform (GRIP)		September 26, 2023	Grid Simulation and Modeling
SEAPATH	January 14, 2025	December 19, 2023	Digital Substations
FledgePower	May 13, 2025	June 4, 2024	Digital Substations
CoMPAS	June 10, 2025	June 25, 2024	Digital Substations

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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
  - Guide for TAC members on their role and how to navigate LF Energy

Questions/feedback - let us know!

LF Energy Foundation TAC

Per the Directed Fund Charter, the role of the Technical Advisory Committee (TAC) is to facilitate communication and collaboration among the Technical Projects. The TAC will be responsible for:

- Coordinating collaboration among Technical Projects, including development of an overall technical vision for the community;
- Making recommendations to the Budget Committee of resource priorities for Technical Projects;
- Electing annually a chairperson to preside over meetings, set the agenda for meetings, ensure meeting minutes are taken and who will also serve on the Governing Board as the TAC's representative (the "TAC Representative");
- Creating, maintaining and amending project lifecycle procedures and processes, subject to the

Technical Advisory Council (TAC) Overview

December 2024

Project Pipeline

- [CUPID (Controllable Unit Protocol Interface for DER)](#) a continuation of EU research project [InterSTORE](#), builds on and extends a reference implementation of IEEE 2030.5 for DER communication interoperability. Hosted out of LF Europe, working to schedule for upcoming TAC meeting.
- [RTC-Tools](#) is a mature, leading open-source solution for the operational optimization of water and energy systems. Contributed by Deltares and Shell. Working through licensing issues, and aim to have TAC review in 1H.

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Previously TAC approved projects stalled in LF onboarding

https://github.com/lf-energy/tac/issues/390

- Interconnect SIF - closing out governance questions.
- Onenet Framework - second follow-up; Anto helping with moving things forward.

Made proposed adjustment to lifecycle to address project's stalling out in LF Onboarding (https://github.com/lf-energy/tac/pull/439)

DISCUSSION: TAC review of proposal

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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

CURRENT FOCUSES

- Project landscape https://landscape.lfenergy.org/ - Update this to reflect the latest projects and how we want to message the ecosystem
- Plan for TAC to allot funding/resources for hosted projects for cloud infrastructure and other needs
- Documentation audit/support

NEXT FOCUSES

- Include LFESS Working Groups in TAC annual review process.
- 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

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TAC Priorities Current Focuses action items

- Project Landscape (landscape.lfenergy.org)
    - Please review latest layout changes and provide any feedback/discussions
- Documentation audit/support
    - Still trying to schedule - provide availability in Doodle poll if interested ( )
- Plan for TAC to allot funding/resources for hosted projects for cloud infrastructure and other needs
    - Immediate action, we are freezing any cloud infrastructure spend for Sandbox projects.
    - Next step, build plan for TAC to take in funding requests and allocate funds based on needs/project maturity (https://github.com/lf-energy/tac/issues/477)
    - Will present plan in June TAC meeting

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New Project Exploration

https://github.com/lf-energy/tac/issues/483
5:15 pm - 5:25 pm

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New Project Exploration

Short-lived (~6 months) groups to explore domains to potentially launch new projects.

Q2
- [Grid Connection Planning](): develop high-performance, data-driven tools to address challenges with connecting new generation and load
- Asset Management : share and co-develop libraries and tools for condition monitoring and risk analysis for ageing infrastructure, or design of new assets

Q3
- Grid Topology Optimization: physics and AI-based tooling for relieving congestion, addressing constraints, and squeezing more capacity from infrastructure

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Open Renewable Energy System (ORES) Working Group Annual Review

https://github.com/lf-energy/tac/issues/107
5:25 pm - 5:45 pm

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ShapeShifter Annual Review

https://github.com/lf-energy/tac/issues/136
5:45 pm - 6:05 pm

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SAM proposal to move to Emeritus

https://github.com/lf-energy/tac/issues/411
6:05 pm - 6:15pm

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Marketing/PR/Events Updates

6:15 pm - 6:25 pm

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Marketing and PR Updates

- Webinars
    - [CitrineOS webinar](#) scheduled for April 9
    - [Power Grid Model meetup](#) scheduled for May 21
- Project News
    - [CitrineOS announced OCPP 1.6 support](#)
    - [TROLIE released Java Client SDK 1.0.0](#)
    - GEISA standalone project announcement pending SCE approval
- New Project Launches
    - [Grid2op](#) page is now live
- Content
    - [2024 Annual Report](#) published March 11
    - [2025 Q1 Members-only meeting](#) March 19
    - Momentum press release likely to go out next week
- Website
    - Revamp of project pages will start soon (awaiting new 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

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LF Energy Summit Europe

- https://events.linuxfoundation.org/lfenergysummit/
- Sep 10-11 in Aachen, Germany
- CFP and registration will open on April 9
- 4 pre-conference workshops confirmed, along with 4 onsite meetups/workshops
- Sponsorships are coming in!
    - Savoir-faire Linux at Silver ($5k)
    - Google at Platinum ($15k)
    - Soptim at Platinum ($15k) + lanyards ($5k)
    - 50% towards sponsorship goal of $80k
    - Additional verbal confirmations from Accenture and Red Hat
    - Inquiries from Mital and INESC TEC (both expressed interest in Platinum)

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2025 LFE-hosted Events

- Open Data Access event at SF Climate Week
  - Apr 23, 2025 – San Francisco, USA
  - Goal: convene participants across government, industry and utilities to highlight how open data and software can make progress on hitting decarbonization goals and delivering on the promise of VPPs. Success is measured by obtaining buy-in on the CDSC from stakeholders of influence from government and utilities. A side benefit is greater awareness of LF Energy within the Bay Area and Climate Tech community.
  - Invitation-only. Initial invitations have been sent.
- Open EV Charging Workshop at CharIN testival
  - May 15, 2025 – Detroit, USA
  - Goal: leverage existing industry event to increase awareness in LF Energy EV charging projects, attracting new adopters and contributors
  - Registration now live - 47 CharIN and 4 LF Energy attendees registered as of last week
- LF Energy Summit Europe
  - Sep 10-11, 2025 – Aachen, Germany
  - Goal: the main event to share and collaborate for the LF Energy community, strengthening existing relationships and bringing new collaborators into the community
  - CFP and registration to open April 9
- LF Energy Summit North America
  - Oct 3, 2025 – Montréal, Québec
  - Goal: at the end of CIGRE, provide a forum for North American LFE community members to convene in person. Also, attract new collaborators to the community.
  - Currently curating the agenda
  - Registration to open in early May

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Upcoming Event CFPs

North America
- [Energy Thought Summit - May 19-22, 2025 - San Antonio, TX - Rolling submission deadline](#)
- [2025 NARUC Summer Policy Summit - July 27-30, 2025 - Boston - Deadline April 9](#)
- [National Clean Energy Week - Sept 15-19, 2025 - Washington, DC - Rolling submission deadline](#)

Europe
- [MOVE - June 18-19, 2025 - London - Rolling submission deadline](#)
- [OpenSouthCode - June 20-21, 2025 - Malaga, Spain - Submission deadline March 31](#)
- [Open Source Summit Europe - August 25-27, 2025 - Amsterdam - Submission deadline April 14](#)
- [Climate Tech Show - October 1-2, 2025 - London - Rolling submission deadline](#)
- [Enlit Europe - November 18-21, 2025 - Bilbao, Spain - Submission deadline April 30](#)

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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 13 May 2025 at 8:00 am US Pacific Time/11:00 am US Eastern Time/5:00 pm Central European Time. Agenda will include:

- General Updates
- SONGO Annual Review
- Battery Data Alliance Annual Review
- New Project Proposal - CUPID
- 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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