

Technical Advisory Council (TAC) Meeting

11 February 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://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
 - Follow up - TAC Leadership
- 5:20 pm - 5:40 pm - Grid2Op Project Presentation
- 5:40 pm - 6:00 pm - Hyphae Annual Review
- 6:00 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



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.



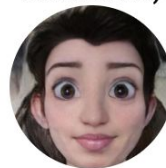
Clément Bouvier
Software engineer
RTE (Reseau de
Transport
dElectricite)



**Jonas van den
Bogaard**
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

LF Energy Projects

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SIG - Digital Substations (3)



SIG - EV Charging (2)



SIG - Grid Operations (8)



SIG - Grid Simulation and Modeling (8)



SIG - Data Standards and Tooling (6)



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!



The image shows a screenshot of the LF Energy Foundation TAC website and a presentation slide. The website header includes the LF ENERGY logo, a search bar, and a link for help. The navigation menu lists Home, Getting Involved, Processes, Meetings, Programs, Tools, Resources, and Code of Conduct. The main content area is titled "LF Energy Foundation TAC" and describes the role of the Technical Advisory Committee (TAC) as defined in the Directed Fund Charter. The presentation slide, titled "Technical Advisory Council (TAC) Overview" and dated December 2024, features the LF ENERGY logo and a page number of 1.

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Q Search LF Energy Foundation TAC [Need help or have a question? Contact us here](#)

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

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LF Energy Hosted Project Leads

Project	Project Lead(s)
Arras	David Chassin
Battery Data Alliance	Gabe Hege, AMPLabs
CitrineOS	Thana Paris, S44
CoMPAS	Pascal Wilbrink Alliander & Sander Jansen, Alliander (TAC Representative)
covXtreme	Sachin Bhakar, Shell
Dynawo	Marco Chiaramello, Benoît Jeanson, RTE
EVerest	Marco Möller, PIONIX
FledgePOWER	Romain Lebrun-Thauront, RTE
FlexMeasures	Nicolas Höning, Seita Energy Flexibility B.V.
GEISA	Richard Lam, Michael Stauber, SCE
Grid Capacity Map	Harald Klomp, Vattenfall
GridFM	François Miralles

Project	Project Lead(s)
GRIP	Alyona Teybar, MASc
GXF	Maarten Mulder, Alliander
Hyphae	Arila Barnes
InterConnect SIF	Milenko Tomic, VizLore Labs
NODE Collective	DeAndrea Salvador
OneNet Framework	Vassilis Sakas
OpenDSM	Travis Sikes, Recurve
OpenFIDO	David Chassin, SLAC
OpenGEH	Nicolas Bernhardt, Energet
OpenLEADR	Hugo van de Pol, Arila Barnes
OpenSTEF	Frank Kreuwel, Alliander
OpenSynth	Gus Chadney, Centre for Net Zero

Project Leads

Project	Project Lead(s)
OperatorFabric	Frederic DIDIER, RTE
Power Grid Model	Peter Saleminck, Alliander
PowSyBI	Sophie Frasnado, RTE
Python Emission Localisation and Quantification (pyELQ)	Bas van de Kerkhof, Shell
Real Time Data Ingestion Platform (RTDIP)	Bryce Bartmann, Shell
SC Decarbonisation Hub	Sachin Bhakar, Pedram Muurlink
SEAPATH	Éloi Bail, Savoir-faire Linux
Shapeshifter	Robben Riksen, Alliander
SOGNO	Antonello Monti, RWTH Aachen University (TAC Representative) & Fito Galeano, RWTH Aachen University

Project & Working Group Leads

SIG / Working Group	Work Group Lead(s)
AI SIG	Alexandre Pariost, The Linux Foundation
Archimate SIG	Jonas van den Bogaard, Alliander
Digital Substations	SIG Chair - Jos Zenner, Vice Chair - Maxime Pelletier
EV Charging	SIG Chair - Robert de Leeuw, Vice Chair - Thana Paris
Grid Simulation and Modeling	SIG Chair - Thomas van Dijk, Vice Chair - Josh Main
ORES (Open Renewable Energy Systems)	Chris Xie, Futurewei

Project Review Cycle - TAC

TAC Level Reviews				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
RTDIP	Sandbox	2024-06-04	2024-01-30	2025-02-11
Hyphae	Incubation		2024-02-20	2025-02-11
OpenSynth	Sandbox	2024-01-09		2025-03-11
OperatorFabric	Early Adoption	2019-04-30	2024-07-16	2025-04-08
Shapeshifter	Incubation	2021-10-04	2024-05-14	2025-04-08
Battery Data Alliance	Incubation	2023-09-05	2024-08-27	2025-05-13
SOGNO	Early Adoption	2021-03-11	2024-04-23	2025-05-13
GXF	Early Adoption	2020-02-04	2024-09-18	2025-06-10
SC Decarbonisation Hub	Sandbox	2024-08-27		2025-06-10
CDSC	Working Group			2025-07-08
NODE Collective	Sandbox		2024-04-02	2025-07-08
OpenDSM	Incubation	2019-06-04	2024-09-17	2025-09-09
OpenLEADR	Incubation	2021-08-03	2021-11-23	2025-09-09
Archimate	Working Group			2025-10-14
GEISA	Sandbox			2025-10-14
FlexMeasures	Incubation	2022-01-05	2024-11-20	2025-11-11
AI	Working Group			2025-11-11
TROLIE	Working Group			2025-12-09

Project Review Cycle - SIGS

Grid Simulation and Modeling - Mtgs every other month, 1st Wednesday				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
PowSyBl	Early Adoption	2019-04-30	2024-12-04	2025-12-03
OpenSTEF	Incubation	2021-09-21	2023-11-07	2025-02-05
Power Grid Model	Sandbox	2023-02-07	2024-02-20	2025-02-05
covXtreme	Sandbox	2023-12-19		2025-04-02
Dynawo	Sandbox	2022-12-06	2024-01-30	2025-06-04
Arras	Sandbox	2022-07-12	2024-07-16	2025-09-03
Grid Capacity Map	Incubation	2021-04-27	2023-10-17	TBD
GRIP	Sandbox	2023-09-26		TBD

EV Charging SIG - Monthly, 4th Wednesday				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
CitrineOS	Sandbox	2023-11-28	2024-11-27	2025-11-26
EVerest	Early Adoption	2021-10-12	2024-01-09	2025-01-22

Digital Substations - Monthly, 2nd Tuesday				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
Seapath	Early Adoption	2020-10-06	2023-12-19	2025-01-14
FledgePOWER	Incubation	2021-02-11	2024-06-04	2025-05-13
CoMPAS	Incubation	2020-05-05	2024-06-25	2025-06-10

Project Pipeline

- [Grid2Op](#) is an open-source project that provides a highly customizable framework for simulating and optimizing real-time power grid operations. Contributed by RTE. The project is on schedule to be presented to the TAC on February 11th.
- [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.
- [CUPID \(Controllable Unit Protocol Interface for DER\)](#) - aims to maximize the communication capabilities of Distributed Energy Resources (DER) and Energy Management Systems (EMS) by supporting diverse and scalable use cases to drive innovation and efficiency in the energy sector by increasing adoption of the standard. This project is in the early stages of onboarding.

Approve TAC Chair/Vice Chair roles

- 1) Create a new role of TAC Vice Chair, which will:
 - Support the TAC Chair
 - Serve as the TAC Chair when the TAC Chair is not present.
- 2) Change term length for TAC Chair/Vice Chair to one-year, Jan 1 - Dec 31
 - Vice Chair would be promoted to Chair at end of their term
 - TAC elects new Vice Chair annually.

Specific policy defined at

<https://github.com/lf-energy/tac/pull/381>

Vice Chair Election plan (aligns with election policy at

<https://github.com/lf-energy/foundation/blob/main/elections.md>)

- Open for nominations TODAY through 2/18 11:59 pm US Pacific Time.
- Election held via LFX Voting starting 2/20.

RESOLVED: That the TAC Roles policy discussed in this meeting is hereby approved.

Security Audit Follow Up

LF Energy Governing Board has approved additional budget to cover two Security Audits in 2025.

DISCUSSION:

- 1) TAC approve moving forward with security audits for both PowSyBl and EVerest.**
- 2) Establish prioritization for remaining projects.**

Projects stalled in post TAC onboarding

Two projects that were approved by the TAC before the change in the onboarding process are currently stalled.

- Interconnect SIP
 - Approved by TAC on April 23, 2024
 - Stalled in LF Onboarding, been slow getting legal questions answered
- OneNet Framework
 - Approved by TAC on May 14, 2024
 - Stalled in LF Onboarding, they have struggled getting their legal engaged to review.

DISCUSSION: Recommend to projects to stop onboarding, have them re-apply when they are ready to move forward.

Grid2Op Project Proposal

5:20 pm - 5:40 pm

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Hyphae Annual Review

5:40 pm - 6:00 pm

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Marketing/PR/Events Updates

6:00 pm - 6:25 pm

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Marketing and PR Updates

- Webinars
 - [Power Grid Model webinar](#) took place yesterday
 - [Arras/GridChat webinar](#) to take place Jan 30
- New Project Launches
 - NODE Collective - logo awaiting approval from project maintainers, then website will be launched
- Case Studies
 - New [EVerest case study](#) with Park&Charge in the Netherlands published today
- Website
 - Currently working on a restructuring and content update to the website (not a full redesign), to be completed ~February 7
 - SIGs will be getting dedicated webpages, starting with Digital Substations
- [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

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 festival
 - May 15, 2025 – Detroit, USA
 - Goal: leverage existing industry event to increase awareness in LF Energy EV charging projects, attracting new adopters and contributors
 - Finalizing agenda with CharIN; website to launch soon
- 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
 - Website to launch this week
- 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.
 - Website to launch this week

Upcoming Event CFPs

North America

- [Energy Thought Summit - May 19-22, 2025 - San Antonio, TX - Rolling submission deadline](#)
- [Open Source Summit North America - June 23-25, 2025 - Denver - Submission deadline February 17](#)
- [CEATI's Strategy and Innovation Conference - Sept 16-17, 2025 - Ft. Lauderdale, FL - Submission deadline Feb 7](#)
- [National Clean Energy Week - Sept 15-19, 2025 - Washington, DC - Rolling submission deadline](#)
- [T&D World Live - September 23-25, 2025 - Phoenix, AZ - Submission deadline Feb 17](#)

Europe

- [The EV:ent - May 21-22, 2025 - Heidelberg, Germany - Submission deadline February 14](#)
- [MOVE - June 18-19, 2025 - London - Rolling submission deadline](#)
- [OpenSouthCode - June 20-21, 2025 - Malaga, Spain - Submission deadline March 31](#)
- [Climate Tech Show - October 1-2, 2025 - London - Rolling submission deadline](#)
- [Enlit Europe - November 18-21, 2025 - Bilbao, Spain - Rolling submission deadline](#)

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 11 March 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
- OpenSynth Annual Review
- 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>

APPENDIX

Marketing and PR Updates

Recent Media Coverage

- [TFIR - Hydro-Québec joins LF Energy](#)
- [TFIR - Code quality and security are crucial for open source projects | Nico Rikken, Alliander](#)
- [TFIR - Open source foundations to accelerate the energy transition | Alex Thornton – LF Energy](#)
- [TFIR - LF Energy's SEAPATH project aims to drive the next generation of energy management](#)
- [TFIR - What are the unique challenges in the energy sector?](#)
- [EnergyCentral - How French Transmission System Operator, RTE, Leverages Open Source to Build Next-Gen Substation Monitoring and Controls](#)
- [TFIR - LF Energy's role to accelerate decarbonization in the energy sector](#)
- [EC&M - Open-Source Platform EVerest to Advance Electric Vehicle Charging Interoperability](#)
- [Electronic Design - This Week in PowerBites: Open-Source EV Charging, Solid-State Circuit Protection](#)
- [TFIR - Open source drives technical transformation of vertical industries: Linux Foundation Report](#)
- [Solar Builder - Solving public EV charging issues with open-source software](#)
- [TFIR - LF Energy's role in global decarbonization and grid standardization](#)
- [Electronic Design - Open-Source EV Charging: Linux-Based Platform Simplifies Interoperability](#)
- [TFIR - United States is ready to tackle Climate Crisis with the help of Open Source | Boris Dolley](#)



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