

# Technical Advisory Council (TAC) Meeting

19 November 2024

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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>

# Antitrust Policy Notice

Linux Foundation meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.

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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 - 5:30 pm - pyELQ: python Emission Localization and Quantification Presentation
- 5:30 pm - 6:10 pm - Future TAC meeting topics
- 6:10 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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# TAC Voting Members

You can update your  
headshot/title at  
[openprofile.dev](https://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.



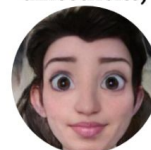
**Clément Bouvier**  
Software engineer  
RTE (Reseau de  
Transport  
dElectricite)



**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)



# LF Energy Hosted Project Leads

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

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



# Project & Working Group Leads

Project	Project Lead(s)
OperatorFabric	Frederic DIDIER, RTE
Power Grid Model	Tony Xiang, Alliander
PowSyBI	Sophie Frasnedo, RTE
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

SIG / Working Group	Work Group Lead(s)
AI SIG	Alexandre Pariost, The Linux Foundation
Archimate SIG	Jonas van den Bogaard, Alliander
ORES (Open Renewable Energy Systems)	Chris Xie, Futurewei

# New Project Review Cycle

Grid Operations SIG - Mtgs every other month, 3rd Wednesday				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
FlexMeasures	Incubation	2022-01-05	2023-11-28	2024-11-20
RTDIP	Sandbox	2024-06-04	2024-01-30	2025-01-15
SOGNO	Early Adoption	2021-03-11	2024-04-23	2025-03-19
Shapeshifter	Incubation	2021-10-04	2024-05-14	2025-05-21
FledgePower	Incubation	2021-02-16	2024-06-04	2025-05-21
OperatorFabric	Early Adoption	2019-04-30	2024-07-16	2025-07-16
OpenLEADR	Incubation	2021-08-03	2021-11-23	2025-09-17
GXF	Early Adoption	2020-02-04	2024-09-18	2025-09-17

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
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

# New Project Review Cycle

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	2023-11-28	2024-12-04
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

Data Standards and Tooling - Mtgs every other month, 2nd Thurs.				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
OpenDSM	Incubation	2019-06-04	2024-09-17	2024-11-14
TROLIE	Working Group			2024-11-14
OpenSynth	Sandbox	2024-01-09		2025-01-09
Battery Data Alliance	Incubation	2023-09-05	2024-08-27	2025-07-10
SC Decarbonization Hub	Sandbox	2024-08-27		2025-09-11
CDSC	Working Group			TBD
Super Advanced Meter	Working Group			TBD

# Projects in LF Onboarding

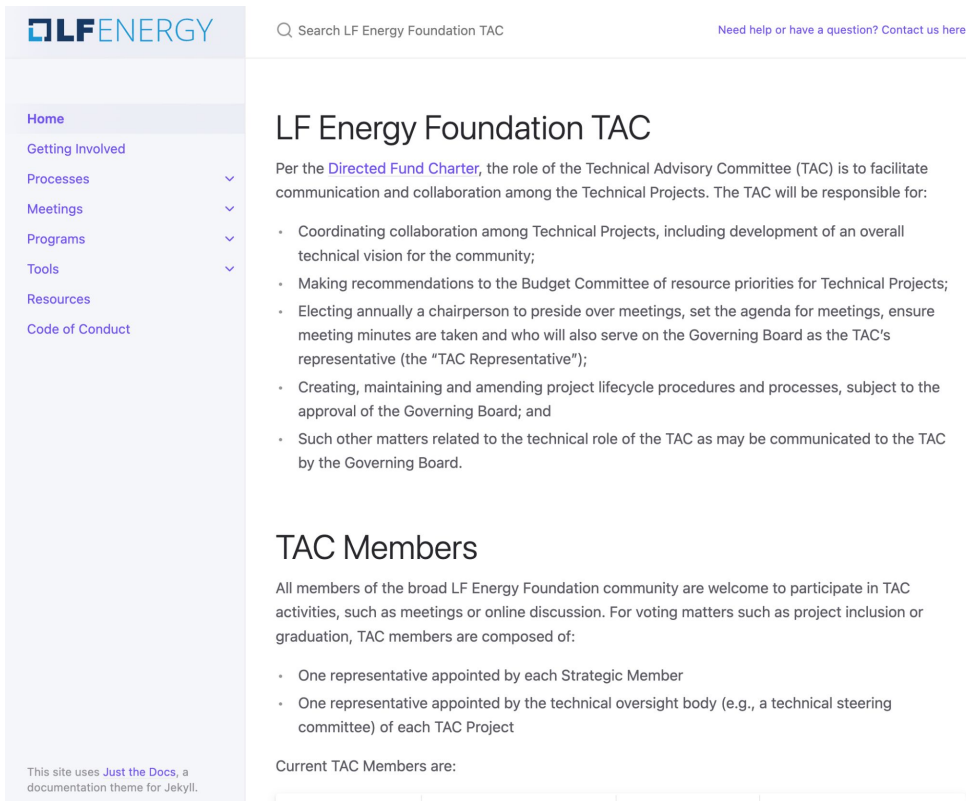
- [python Emission Localization and Quantification \(pyELQ\)](#) ( presenting today )
- [GridCal](#) - working on rename and relicensing
- [Grid2Op](#) - starting onboarding work

# TAC Website updates

- SIG program changes discussed at last meeting ( see <https://tac.lfenergy.org/process/signs.html> )
- New Project Onboarding overview ( <https://tac.lfenergy.org/process/onboarding.html> )

Any changes can be made via PR at <https://github.com/lf-energy/tac/>

Questions/feedback - let us know!



The screenshot shows the LF Energy Foundation TAC website. The header includes the LF ENERGY logo, a search bar, and a link for help. The main content area is titled 'LF Energy Foundation TAC' and contains a description of the TAC's role and a list of responsibilities. A sidebar on the left lists navigation options like Home, Getting Involved, Processes, Meetings, Programs, Tools, Resources, and Code of Conduct. At the bottom, there is a footer with a small note about the website's theme.

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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 approval of the Governing Board; and
- Such other matters related to the technical role of the TAC as may be communicated to the TAC by the Governing Board.

## TAC Members

All members of the broad LF Energy Foundation community are welcome to participate in TAC activities, such as meetings or online discussion. For voting matters such as project inclusion or graduation, TAC members are composed of:

- One representative appointed by each Strategic Member
- One representative appointed by the technical oversight body (e.g., a technical steering committee) of each TAC Project

Current TAC Members are:

This site uses [Just the Docs](#), a documentation theme for Jekyll.

# pyELQ: python Emission Localization and Quantification Presentation

5:10 pm - 5:30 pm

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# Future TAC Topics

5:30 pm - 6:10 pm

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# Future TAC Topic ideas

- Security
  - OpenSSF initiatives ( example Scorecard )
- Retrospective
  - What work well? What can we do better? Setting TAC Goals and Objectives.
- How to organize SIG feedback?
  - Example - annual reviews, lack of engagement around the annual reviews, making more awareness to the TAC of the SIG meetings activity and annual review summaries.
- Community building help/guidance
  - Speakers from other LF projects - case study of what they did along with Q/A
- LFX Insights update
- Aligning our projects to United Nations sustainability goals
- Expert session on improving how to make open source projects hosted by an organization more sustainable. ( ex. <https://github.com/sede-open/ecoCode-java> )



# Marketing/PR/Events Updates

6:10 pm - 6:25 pm

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# Marketing and PR Updates

- Webinars
  - [TROLIE webinar](#) scheduled for 20 November
  - [Power Grid Model webinar](#) scheduled for 20 January
  - GridChat (Arras) webinar likely to occur in January
- New Project Launches
  - GEISA - logo and webpage ready; awaiting approval to put page live
  - GridFM - awaiting feedback/approval of logo; webpage content received
  - OpenDSM (previously OpenEEMeter) - awaiting approval of new logo
  - SC Decarbonisation Hub - awaiting feedback/approval of logo; webpage content received
- Media Relations
  - Seeking expert opinion articles on technical topics related to utilities and the energy transition. If you have a topic in mind, reach out to Dan.
- [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

- 2025 events plan
  - LF Energy Summit 2025 (Europe) - Finalizing venue options and dates
    - [Sponsorship prospectus](#) now available
    - [2024 post event report](#) also available
  - Partnering with Charin on an EV charging event near Detroit at the American Center for Mobility - 15 May 2025
  - European OCA Plugfest - hosted by PIONIX in May, one day dedicated to open source EV charging conference
  - Data-focused event around SF Climate Week (19-27 April 2025) - specific date/location TBA
  - LF Energy Summit 2025 (North America) - to take place on Friday, 3 October, immediately following the CIGRE event in Montreal - hosted by Hydro-Quebec
- [Event tracker](#) - please review and add any additional opportunities

# Upcoming Event CFPs

## North America

- [ARPA-E Energy Innovation Summit](#) - March 17-19, 2025 - Washington, DC - Rolling submission deadline - email [speakinginquiry@eventpowersupport.com](mailto:speakinginquiry@eventpowersupport.com) to apply to speak
- [DISTRIBUTECH Data Centers & AI - Spring 2025 \(dates TBA\) - location TBA - Submission deadline December 6](#)
- [Energy Thought Summit - May 19-22, 2025 - San Antonio, TX - Rolling submission deadline](#)
- [DISTRIBUTECH Midwest - July 14-16, 2025 - Minneapolis, MN - Submission deadline December 6](#)
- [RE+ - September 8-11, 2025 - Las Vegas - Rolling Submission deadline](#)
- [CIGRE - Sept 29-Oct 2, 2025 - Montreal, Quebec - Submission deadline November 27](#)
- [CEATI's Strategy and Innovation Conference - Sept 16-17, 2025 - Ft. Lauderdale, FL - Submission deadline Feb 7](#)

## Europe

- [KubeCon Europe - April 1-4, 2025 - London - Submission deadline November 24](#)
- [FOSDEM \(Energy Devroom\) - February 2, 2025 - Brussels - Submission deadline December 1](#)
- [The smarter E Europe \(EmPower\) - May 7-9, 2025 - Munich, Germany - Submission deadline December 6](#)
- [State of Open Con - February 4-5, 2025 - London - Submission deadline December 8](#)
- [MOVE - June 18-19, 2025 - London - Rolling submission deadline](#)
- [PacWorld - June 23-26, 2025 - Glasgow - Submission deadline December 15](#)

# 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 10 December 2024 at 8:00 am US Pacific Time/11:00 am US Eastern Time/5:00 pm Central European Time. Agenda will include:

- 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>

# 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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