TAC Meeting

13 September 2022

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Agenda

Opening (10 Minutes)

- **Landscape updates**
- **TAC Sponsors for projects**
- **Summary of last TAC meeting & Updates from the Board Meeting**

TAC Business (75 Minutes)

- LF Energy Member and Project Maintainer Survey Results
- OpenEEMeter Annual Review
- Improving TAC Meeting Content
- Marketing for Projects

Closing and Next Meeting (5 Minutes)

TAC Voting Members

New members in **bold**

Full Name	Account Name	Appointed By
Boris DOLLEY	RTE (Reseau de Transport dElectricite)	Vote of TSC Committee - OperatorFabric
Anne Tilloy	RTE (Reseau de Transport dElectricite)	Vote of TSC Committee - PowSyBl
Carmen Best	Recurve	Vote of TSC Committee - OpenEEmeter
Jonas van den Bogaard	Alliander	Membership Entitlement
Maarten Mulder	Alliander	Vote of TSC Committee - GXF
Benoît Jeanson	RTE (Reseau de Transport dElectricite)	Membership Entitlement
Antonello Monti	RWTH Aachen University	Vote of TSC Committee - SOGNO
Art Pope	Google	Membership Entitlement
Avi Allison	Microsoft	Membership Entitlement

LF Energy Hosted Project and Working Group Leads

Changes in **bold**

Project	Project Lead(s)
PowSyBl	Anne Tilloy, RTE
OperatorFabric	Boris Dolley, RTE
OpenEEmeter	Carmen Best, Recurve
GXF	Maarten Mulder, Alliander
SOGNO	Antonello Monti, RWTH Aachen University
CoMPAS	Frederic Fouseret, RTE & Sander Jansen, Alliander (TAC Representative)
FledgePOWER	Akli Rahmoun, RTE
Hyphae	Asimenia Korompili, RWTH Aachen University
openLEADR	Lonneke Driessen & Stan Janssen, OpenADR
SEAPATH	Eloi Bail, Savoir-faire Linux
Grid Capacity Map	Per Lysemose Hansen, Energinet
Shapeshifter	Jelle Wijnja, Alliander
OpenSTEF	Frank Kreuwel, Alliander
EVerest	Marco Möller, PIONIX
OpenGEH	Martin F. Hansen, Energinet
FlexMeasures	Nicolas Höning, Seita Energy Flexibility B.V.
OCPP Cloud Connector	Rebecca Wolkoff, Chargenet
GridLab-D	David Chassin, SLAC
Full Architecture WG (FAWG)	Benoît Jeanson, RTE
Carbon Data Specification Consortium (CDSC)	TBD

Landscape now with more project info!

We are using the LF Energy Landscape to showcase more project information:

- Mailing List/Slack Channel
- LFX Insights
- SBOM
- Wiki
- TSC Meeting Notes
- Calendar
- Contribution Guidelines

ACTION: Project leads please review your entry and ensure it is accurate; issue PR for any changes needed.

	more... total: ★52		
Crunchbase	crunchbase.com/organization/lf-energy		
LinkedIn	linkedin.com/company/lf-energy		
Twitter	@LFE_Foundation	Latest Tweet	this week
First Commit	5 years ago	Latest Commit	3 weeks ago
Contributors	35	Headcount	1-10
Headquarters	San Francisco, California		
Mailing List	https://lists.lfenergy.org/g/sogno-discussion		
Slack Channel	#sogno		
LFX Insights	https://insights.lfx.linuxfoundation.org/projects/lfenergy%2Fsogno		
Wiki Page	https://wiki.lfenergy.org/display/HOME/SOGNO		
SBOM	https://github.com/lfscanning/spdx-lfenergy/tree/main/sogno		
TSC Meeting Notes	https://github.com/sogno-platform/tsc/tree/master/tsc/meetings		
Calendar	https://lists.lfenergy.org/g/sogno-tsc/calendar		
Contribution Guidelines	https://github.com/sogno-platform/tsc/blob/master/CONTRIBUTING.md		

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."

ASK: Volunteer to be a TAC sponsor for a project

Project	Current Level	TAC Sponsor
CoMPAS	Incubation	
Carbon Data Specification Consortium	Standards	
EVerest	Incubation	
FledgePOWER	Incubation	Benoît Jeanson
FlexMeasures	Incubation	
Full Architecture Working Group (FAWG)	Working Group	
Grid Capacity Map	Incubation	
GridLab-D	Sandbox	Antonello Monti
GXF	Early Adoption	Jonas van den Bogaard
Hyphae	Incubation	Antonello Monti
OpenEEmeter	Incubation	Carmen Best
OpenGEH	Incubation	
OpenLEADR	Incubation	
OpenSTEF	Incubation	Jonas van den Bogaard
OperatorFabric	Early Adoption	Boris Dolley
PowSyBl	Early Adoption	Anne Tilloy
SEAPATH	Incubation	Benoît Jeanson
Shapeshifter	Incubation	Jonas van den Bogaard
SOGNO	Early Adoption	Antonello Monti

Interest in Energy DevRoom at FOSDEM

Nico Rikken and Boris Dolley amongst others have been having a conversation on hosting an Energy DevRoom. If you are interested, please contact them and/or join #fosdem2023 on LFE Slack.

Summary of Last TAC Meeting

- Meeting notes and deck at https://wiki.lfenergy.org/display/HOME/Technical+Advisory+Council#TechnicalAdvisoryCouncil-MeetingMinutes

Updates from the Board

Agenda

Opening (10 Minutes)

- Landscape updates
- TAC Sponsors for projects
- Summary of last TAC meeting & Updates from the Board Meeting

TAC Business (75 Minutes)

- **LF Energy Member and Project Maintainer Survey Results**
- **Improving TAC Meeting Content**
- **OpenEEMeter Annual Review**
- **Marketing for Projects**

Closing and Next Meeting (5 Minutes)

LF Energy Member and Project Maintainer Survey Results

Member/Maintainer Survey - Key Insights

- ~90% of members and projects are satisfied with their experience (TAC, staff, marketing, membership benefits)
- Companies overwhelmingly are looking to increase open source participation and bring internal projects to open source, but blocked by internal support primarily and tooling secondarily.
  - 75% of member companies have a central manager/coordinator for open source strategy
  - 83% of member companies have seen the internal perception of participating in open source as positive.
- Members and projects would like to participate in more outreach content, namely podcasts and videos.

Detailed results in here: https://github.com/lf-energy/foundation/tree/main/surveys/2022-06

Improving TAC Meeting Content

Improving TAC Meeting Content

- Generally TAC meetings have focused on Project Approvals and Annual Reviews.
- We've had feedback from project leads that that content isn't very appealing.
- Ideally, the TAC meetings should provide content that is interesting for any member of the LF Energy technical community.

DISCUSSION: What topics would be of interest for project leads?

OpenEEMeter Annual Review

Approved for Incubation - Sept 23, 2022

TAC Annual Review
OpenEEmeter

OPENEEMETER Status

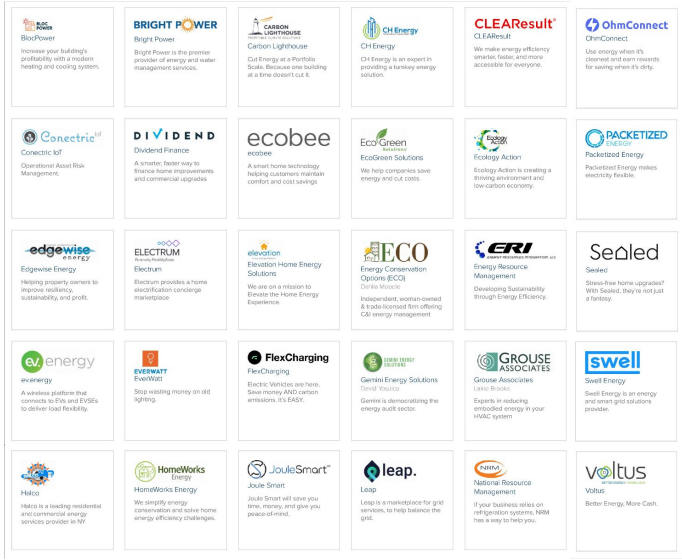
The current activity of the project, including releases, adoption, and committer/contribution growth and diversity.

- No new Releases since 2021 update (last ones were: 2.10.11, 3.0.0, and 3.1.0 = Bug fixes and adaptations of the methods)
- Most Committers and Contributors are still from Recurve team.
- While method and EEmeter code base has been stable:
  - Scale of use of the method + code base grown across U.S. utilities; and companies reliant on calculations for performance payment. Examples:
    - New California policy (Market Access program) launched $150M in activity 2022-2023
    - New U.S. Federal policy (Inflation Reduction Act) calls for open-source measurement and verification for home performance incentive program
  - Code for complementary applications - for comparison groups and demand response are accelerating (but have not yet been formally included in the project)

LFENERGY OPENEEMETER is the foundation for Demand Flexibility Performance Transactions

Utility Demand Flexibility Buyers

Demand Flexibility Providers



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OPENEEMETER Status

Requirements - Incubation

Assessment of whether the project is fulfilling the requirements for the project to remain at its current stage [incubation], or be considered for a different stage

- Have an open and documented technical governance, ✅
- 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. ✅
- Have achieved and maintained a Core Infrastructure Initiative 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 ✅
- An overview of the project's architecture and features defined. ✅
- A project roadmap defined, which should address the following questions.✅
- Community and contributor growth assessment
    - The current number of contributors and committers (28), and the number of different organizations (2-3)
    - 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? [quarterly meet ups and new methods launch pending]
    - Outline of the plan for the project to complete the requirements for Adopted Stage [-]
- Receive the affirmative majority vote of the TAC.[Purpose of Today's Meeting]

OPENEEMETER Status

Feedback on its experience as an LF Energy project, including benefits from being an LF Energy project and areas that the TAC and LFE staff can better support the project.

- **Experience as an LF Energy project has been positive.**
  - Support in explaining open-source and it's value to our industry
  - Provides reference point of "acceptance" for the market
  - Provides access point for the industry from a trusted source
  - Policy positioning for open-source transparency
- **Key Benefits are both for the project but also for the company**
  - Branding
  - Nudging
  - Community with other projects
- **TAC / LFE Staff can support with considering transition, and promoting new model**
  - OpenEEmeter standing alone just doesn't do much
  - Still have scattered governance for multiple open-source methods and code
  - Bringing it under a single umbrella will help but still questions about how methods and code can best co-habitate in an LFE project

OPENEEMETER Friends & Family - Work In Progress

Feedback

GOVERNANCE LF ENERGY		
METHOD LFE Energy Standards & Specification Project	**CODE** LF ENERGY OPENEEMETER	**USER COMMUNITY**
CALTRACK CalTRACK [pending additions to CalTRACK] DRmethod PVmethod EVmethod	OpenEEmeter EEweather EEmeter GRIDmeter [pending] DRmeter PVmeter + EVmeter	DSM Evaluator, Implementer, Utility, Regulator
Comparison Group methods [Gridmeter Methods page]		DSM Evaluator, Implementer, Regulator, utility, System Planner, RTO/ISO
Action needed: Create WG in LF Energy Standards & Specifications (LFESS) Project;. LFE Expectations of the "life" of a Standards project	**Action needed**: Modify existing charter to include more tracks for gridmeter, dr, ev, pv ; in charter cite relationship with Methods WG project.	Assign FTE's to support these projects

Project Review Cycle

Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
OpenEEmeter	**Incubation**	**June 4, 2019**	**October 12, 2021**	**September 13, 2022**
GXF	Early Adoption	February 4, 2020	October 12, 2021	October 4, 2022
OpenGEH	Incubation	October 12, 2021		October 4, 2022
OpenSTEF	Incubation	September 21, 2021		October 25, 2022
SEAPATH	Incubation	October 6, 2020	November 23, 2021	October 25, 2022
FlexMeasures	Incubation	November 2, 2021		November 15, 2022
PowSyBl	Early Adoption	April 30, 2019	August 31, 2021	November 15, 2022
EVerest	Incubation	October 12, 2021		December 6, 2022
OpenLEADR	Incubation	September 15, 2020	November 23, 2021	December 6, 2022
Hyphae	Incubation	December 8, 2020	December 14, 2021	January 17, 2023
Full Architecture Working Group (FAWG)	Working Group		January 25, 2022	January 17, 2023
Data Architecture Working Group (DAWG)	Working Group		January 25, 2022	January 17, 2023
FledgePOWER	Incubation	February 11, 2021	February 15, 2022	February 28, 2023
SOGNO	Early Adoption	October 27, 2020	March 8, 2022	March 21, 2023
OCPP Cloud Connector	Sandbox	March 8, 2022		March 21, 2023
Shapeshifter	Incubation	April 6, 2021	April 19, 2022	April 11, 2023
Grid Capacity Map	Incubation	April 27, 2021	July 12, 2022	June 18, 2023
OperatorFabric	Early Adoption	April 30, 2019	June 21, 2022	June 20, 2023
CoMPAS	Incubation	May 5, 2020	July 12, 2022	June 20, 2022

Marketing for Projects

Marketing and PR Updates

- Dan Brown joined the team as internal marketing lead as of August 23
- Momentum press release planned for end of September, highlighting new members, new governing board representatives, and project launches including OCCP Cloud Connector and GridLab-D
- Digital transformation readiness research survey has been finalized and is scheduled to go into the field September 21
    - Please help us promote this - we will share graphics along with copy for blogs, social posts, etc.
- Starting to repost and better promote project blogs about version releases and other significant announcements, including latest OperatorFabric and FlexMeasures releases
    - Please reach out to me directly with any content you would like our help in promoting or with ideas for announcements, blogs, etc.
- New case study submission form now available for members and end users
    - Feel free to submit your stories or encourage your end users to do so at https://www.lfenergy.org/case-study/submit

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Next TAC Meeting

The next meeting of the LF Energy TAC is scheduled for 4 October 2022 at 8:00 am US Pacific Time/11:00 am US Eastern Time/5:00 pm Central European Time.

NOTE: *New meeting invite for series titled 'LF Energy TAC meeting (2022)' from 'LF Energy (LFE) - Meetings <meetings@lfx.linuxfoundation.org>'.* Register for meeting at: https://zoom-lfx.platform.linuxfoundation.org/meeting/98588947265
Please remove all other meeting invites.

Agenda will include:

- Recap of last TAC meeting
- GXF Annual Review
- OpenGEH Annual Review

Thank you!

Outreach

- TFiR videos
  - https://www.tfir.io/?s=lf+energy
- Recent press articles
  - https://www.lfenergy.org/news/media-coverage/
- We want your project news!
  - Doesn't need to be anything huge!
  - Examples of news:
    - New releases (example https://github.com/powsybl/pypowsybl/releases)
    - New features added
    - New maintainers/organizations involved
    - Upcoming plans