



# TAC Meeting

12 July 2022

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# Agenda

## Opening (15 Minutes)

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

## TAC Business (70 Minutes)

- GridLab-D Presentation
- CoMPAS Annual Review
- Grid Capacity Map Annual Review

## 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 - PowSyBI
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
<b>Avi Allison</b>	<b>Microsoft</b>	<b>Membership Entitlement</b>

# LF Energy Hosted Project and Working Group Leads

Changes in **bold**

Project	Project Lead(s)
PowSyBI	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	Asimena 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.
OCPD Cloud Connector	Rebecca Wolkoff, Chargenet
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.**



LF Energy Early Adoption    LF Project

Open Source Software    License Mozilla Public License

CII Best Practices 25%

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	<a href="https://lists.lfenergy.org/g/sogno-discussion">https://lists.lfenergy.org/g/sogno-discussion</a>		
Slack Channel	#sogno		
LFX Insights	<a href="https://insights.lfx.linuxfoundation.org/projects/lfenergy%2Fsogno">https://insights.lfx.linuxfoundation.org/projects/lfenergy%2Fsogno</a>		
Wiki Page	<a href="https://wiki.lfenergy.org/display/HOME/SOGNO">https://wiki.lfenergy.org/display/HOME/SOGNO</a>		
SBOM	<a href="https://github.com/lfscanning/spdx-lfenergy/tree/main/sogno">https://github.com/lfscanning/spdx-lfenergy/tree/main/sogno</a>		
TSC Meeting Notes	<a href="https://github.com/sogno-platform/tsc/tree/master/tsc/meetings">https://github.com/sogno-platform/tsc/tree/master/tsc/meetings</a>		
Calendar	<a href="https://lists.lfenergy.org/g/sogno-tsc/calendar">https://lists.lfenergy.org/g/sogno-tsc/calendar</a>		
Contribution Guidelines	<a href="https://github.com/sogno-platform/tsc/blob/master/CONTRIBUTING.md">https://github.com/sogno-platform/tsc/blob/master/CONTRIBUTING.md</a>		

# 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	
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
PowSyBI	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](#).



# FOSDEM



# 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

# TAC Open Discussion



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- **Grid Capacity Map Annual Review**

## Closing and Next Meeting (5 Minutes)

# GridLab-D Presentation



Annual Review for  
COMPAS

# Incubation Project review criteria

To be accepted into the Early Adoption stage, a project must meet all the requirements of the Incubation stage (OK) plus:

- Demonstrate growth in the project's community, including
  - Growth in the number of commits to the project, number of project committers, and organizational diversity of contributions and committers => **In progress (+500% of commits, +1000% of lines of codes, +233% of contributors). See slide 4.**
  - Production or planned production use of the project by at least two independent end users which, in the TAC's judgement, are of adequate quality and scope. **Currently no production use of the project. Expected in 2023.**
- Technical Governance of the project is operational, as measured by:
  - A Technical Steering Committee with at least 5 members and a chairperson elected by the members, holding regular open meetings => **6 members, a chairperson, monthly meetings (see next slide).**
  - Achievement of the Core Infrastructure Initiative Best Practice badge at the 'Silver' Level => **87% of silver level reached. See slide 6 and 7.**
- Development of a growth plan, to be done in conjunction with their project mentor(s) at the TAC. This plan should address the following points => **In progress. See slide 8.**
  - Release plans for the next 18 months.
  - Target end-users.
  - Identification of any regulatory or standards body requirements for deployment, and plans for implementation.
  - Plans for growth of project contributors and committers to support the growth plan.
    - Since these metrics can vary significantly depending on the type, scope and size of a project, the TAC has final judgement over the level of activity that is adequate to meet these criteria.
- Identification of any infrastructure resources needed to fulfill the growth plan => **In progress (see slide 10 for example).**
- Presentation to the TAC of the project's growth, technical governance, and growth plan
- Receive the affirmative majority vote of the TAC and Governing Board

# CoMPAS

## Brief Description:

*COMPAS stands for COnfiguration Modules for Power industry Automation Systems*

*COMPAS was created to provide the software bricks necessary for the deployment of digital substations.*

*The purpose of the CoMPAS project is to develop open source software components related to IEC 61850 standard mainly for the configuration of power industry Protection Automation and Control System (PACS).*

## TSC Chairperson:

*Frédéric Fousseret (frederic.fousseret@rte-france.com)*

## TSC Members and Affiliations:

*Sander Jansen (Alliander) ; Rob Tjalma (Alliander) (has very recently left the project, will be replaced)*

*Jean-François Legros(GE) ; Patrick Montaner (GE)*

*Aliou Diaité (RTE) ; Frédéric Fousseret (RTE)*

## Contributed by:

*Alliander, GE and RTE*

## Key Links:

**Github:** <https://github.com/com-pas>

## Website:

[CoMPAS - LF Energy](#)

<https://com-pas.github.io/>

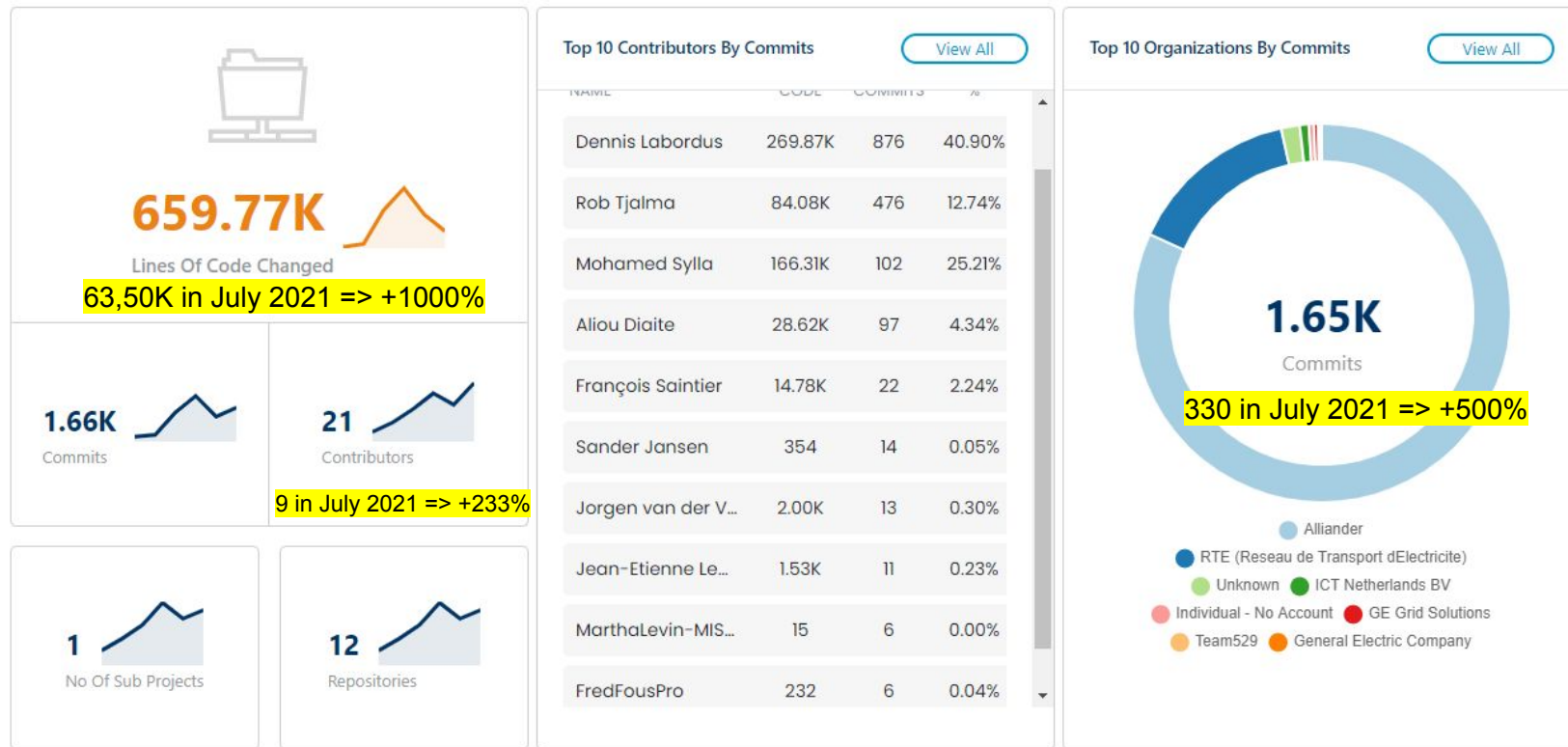
**Artwork:** [artwork/projects/compas at main · lf-energy/artwork · GitHub](#)

## Mailing lists:

- [CoMPAS](#)
- [CoMPAS-dev](#)
- [CoMPAS-tsc](#)

**CII Badge URL:** [BadgeApp \(coreinfrastructure.org\)](#)

# Contributions





# Organizations contributing and/or using in production



Upstream (openSCD):



# OpenSSF Best Practices Badges

87% of Silver level reached

Id	Name	Description	Website	License	Owner	Last achieved at	Tiered %	Badge
5925	com-pas	The primary goal of the CoMPAS project is to develop open source software components related to IEC 61850 model implementation, specifically for profile...	<a href="https://github.com/com-pas">https://github.com/com-pas</a>	Apache-2.0	FredFousPro	2022-05-10 07:58:21	187%	

Remaining a few answer to study

▼ Basics	16/17 ●
▼ Change Control	1/1 ●
▼ Reporting	2/3 ●
▼ Quality	17/19 ●
▼ Security	10/13 ●
▼ Analysis	2/2 ●

# OpenSSF Best Practices Badges

All points to be studied in order to reach the silver level have been opened as an issue in Github in order to be resolved in the coming months

Issues · com-pas/compas-architecture (github.com)

- OpenSSF Best Practices Badges - Assurance case that justifies why its security requirements are met  
OpenSSF Best Practices  
#163 opened 3 hours ago by FredFousPro
- OpenSSF Best Practices Badges - Check if dockerhub and Git cryptographically signs our releases  
OpenSSF Best Practices  
#162 opened 3 hours ago by FredFousPro
- OpenSSF Best Practices Badges - HTTPS implementation enhancement OpenSSF Best Practices  
#161 opened 3 hours ago by FredFousPro
- OpenSSF Best Practices Badges - Internationalization OpenSSF Best Practices  
#160 opened 4 hours ago by FredFousPro

Issues · com-pas/contributing (github.com)

- OpenSSF Best Practices Badges - Improving way to easily install and uninstall ComPAS OpenSSF Best Practices  
#49 opened 4 hours ago by FredFousPro
- OpenSSF Best Practices Badges - Enforce coding style(s) OpenSSF Best Practices  
#48 opened 4 hours ago by FredFousPro
- OpenSSF Best Practices Badges - Vulnerability report process OpenSSF Best Practices  
#47 opened 4 hours ago by FredFousPro
- OpenSSF Best Practices Badges - Bus Factor OpenSSF Best Practices  
#46 opened 4 hours ago by FredFousPro

# Growth plan

We have started defining our growth plan. It is composed of the following parts :

**Release plans for the next 18 months**

**Target end-Users**

**Identification of any regulatory or standards body requirements for deployment, and plans for implementation**

**Actions in favor of the promotion of the project and in order to reach target end-users**

- **Get the project into production**
- **Project promotion**
- **Documentation/demonstration**
- **Low barrier for entrance**
- **Get the education sector involved**

[CoMPAS growth plan - CoMPAS - LF Energy](#)

- **Get the education sector involved**



[Service to Map CIM Data to SCL Data](#)



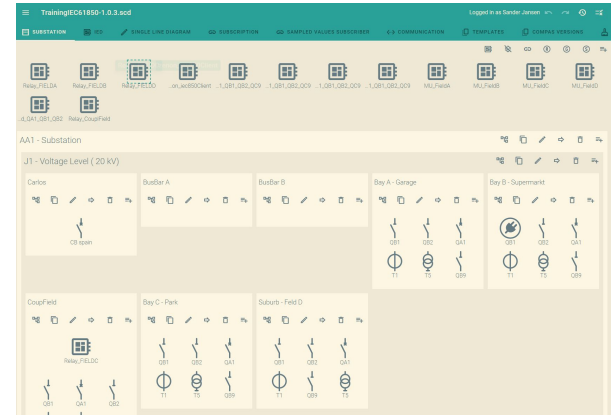
[Validation Service to validate SCL File](#)



[marcvanraalte/fledge-configuration \(github.com\)](#)

# Key Achievements in the past year

- Basic SCL editing functionality is here
  - Single line diagram display
  - GOOSE/Sampled values editing
  - Loading Nsdoc files
  - Single sign-on
  - Vendor specific plug-in
- First tests with CoMPAS to build a substation configuration
- SCT part : Functions to create/edit/update/delete SCD Files.  
Start of work for the automation part.



# Areas the project could use help on

- Continue to help with IEC legal issues
- (Cloud) infrastructure for demo environment
  - PostgreSQL
  - Container platform
  - Subdomain name
  - Sign-on with your LF energy ID (to prevent abuse)

□ *We have created an Infrastructure support ticket on this subject: [Infrastructure of demo environment LF energy CoMPAS project - Project Services - Service Desk \(linuxfoundation.org\)](#)*

- Get GE back on board

# Feedback on working with LF Energy

- Works well
- Not all TAC discussion are that relevant for the CoMPAS development. Attending the meetings takes time

# Miscellaneous questions

- Can we join the LF energy slack channel with any e-mail address? Or is this limited to certain domain names?

Because we have a case where a new developer could not join LF energy slack without invitation.



# TAC Open Discussion



# Grid Capacity Map Annual Review

# Project Review Cycle

Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
OperatorFabric	Early Adoption	<del>April 30, 2019</del>	<del>July 20, 2021</del>	July 12, 2022
CoMPAS	Incubation	<del>May 5, 2020</del>	<del>June 29, 2021</del>	July 12, 2022
<b>PowSyBI</b>	<b>Early Adoption</b>	<b>April 30, 2019</b>	<b>August 31, 2021</b>	<b>August 23, 2022</b>
OpenEEmeter	Incubation	June 4, 2019	October 12, 2021	September 13, 2022
OpenSTEF	Incubation	September 21, 2021		September 13, 2022
GXF	Early Adoption	February 4, 2020	October 12, 2021	October 4, 2022
OpenGEH	Incubation	October 12, 2021		October 4, 2022
OpenLEADR	Incubation	September 15, 2020	November 23, 2021	October 25, 2022
SEAPATH	Incubation	October 6, 2020	November 23, 2021	October 25, 2022
EVERest	Incubation	October 12, 2021		November 15, 2022
FlexMeasures	Incubation	November 2, 2021		November 15, 2022
Hyphae	Incubation	December 8, 2020	December 14, 2021	December 6, 2022
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
OCP 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		June 21, 2022

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# Next TAC Meeting

The next meeting of the LF Energy TAC is scheduled for 2 August 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](mailto: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/Governing Board updates
- CoMPAS 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