

LF Edge Overview

March 2020

 THE **LINUX** FOUNDATION

 **LF** EDGE

Not for External Distribution by Governing Board Members

LF Edge Summary

Vision: Our software & projects enable rapid productization of Edge platforms by leveraging end user input to drive and supply the necessary building blocks (and/or frameworks, reference solutions) to facilitate integration and interoperability for Edge Computing across Telecom Service Providers, Cloud Providers, IOT & Enterprises

Projects

IMPACT - STAGE 3



GROWTH - STAGE 2



AT LARGE - STAGE 1



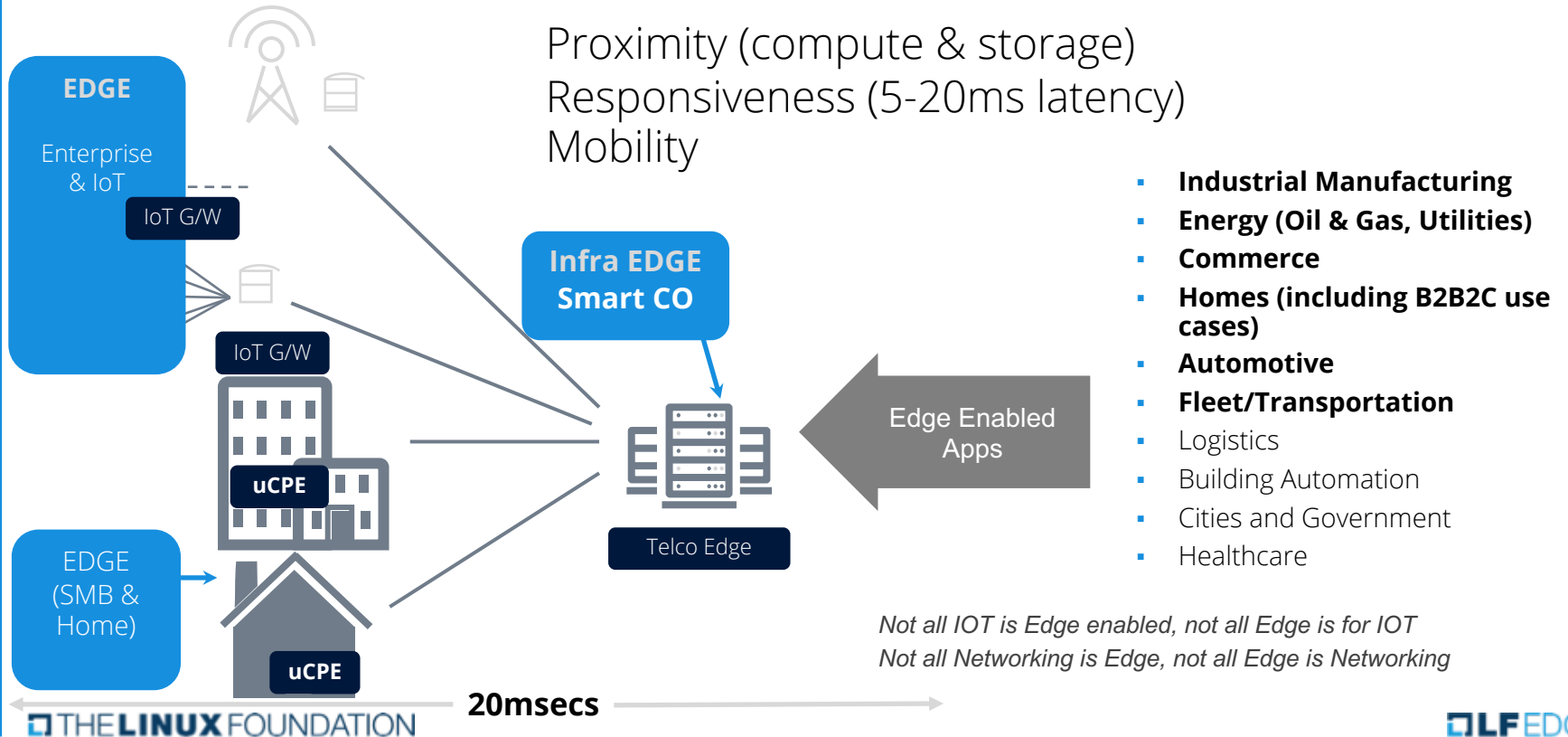
Premier Members



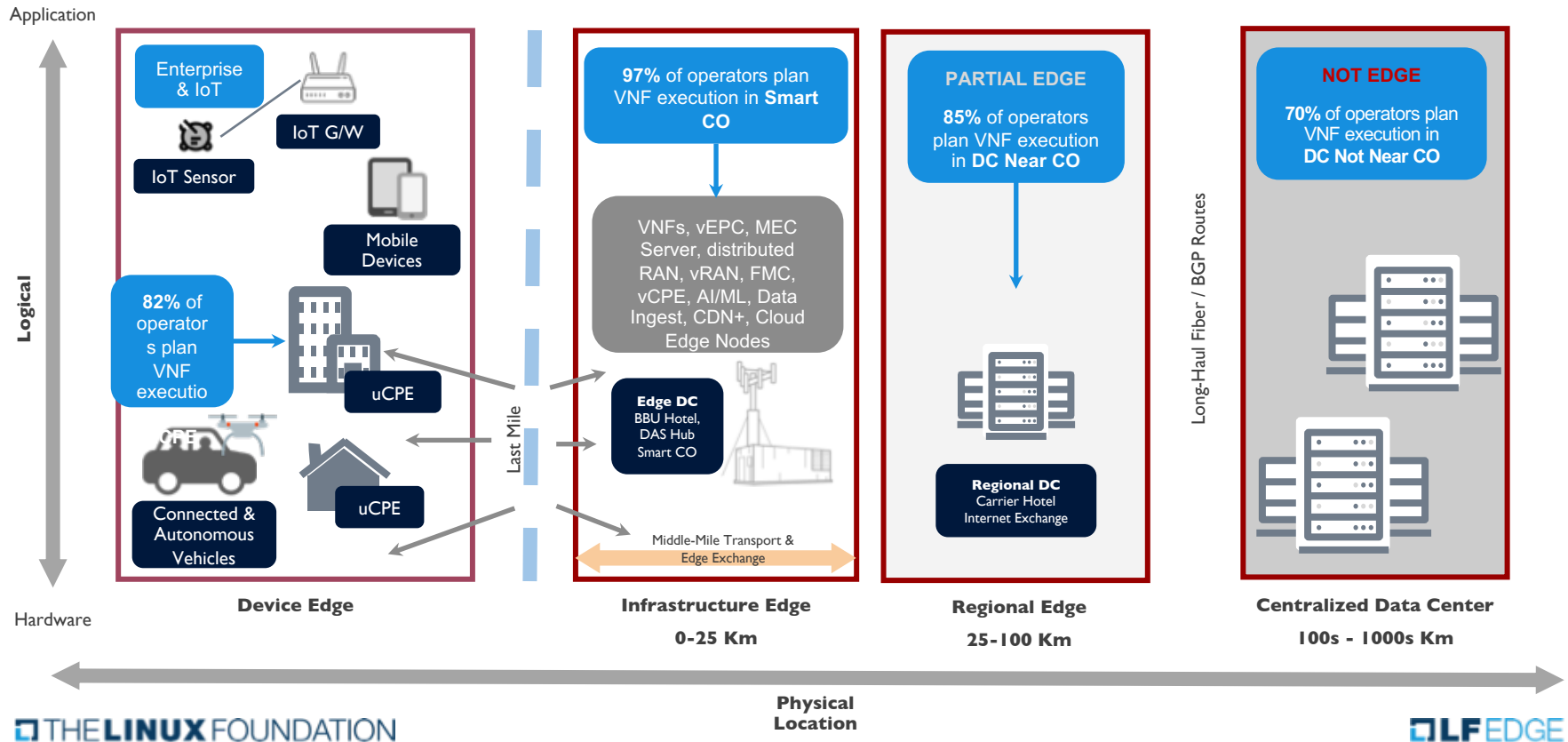
The definition of edge
Finally... We have the glossary project!

<https://www.lfedge.org/projects/openglossary/>

Where Are The Edges? A Unified Edge Framework



How do devices and applications map to the edge?



LF Edge – Unified umbrella for Edge Projects



Aims to create an open source software stack that supports high-availability cloud services optimized for edge computing systems and applications.



Baetyl offers a general-purpose platform for edge computing that manipulates different types of hardware facilities and device capabilities into a standardized container runtime environment and API, enabling efficient management of application, service, and data flow through a remote console both on cloud and on prem.



Highly flexible open source software framework that facilitates interoperability between heterogeneous devices and applications at the IoT Edge, along with a consistent foundation for security and manageability regardless of use case.



An open abstraction engine that simplifies the development, orchestration and security of cloud-native applications on distributed edge hardware. Supporting containers, VMs and unikernels, EVE provides a flexible foundation for Industrial and Enterprise IoT edge deployments with choice of hardware, applications and clouds.



Fledge is an open source framework and community for the Industrial Edge. Architected for rapid integration of any IIoT device, sensor or machine all using a common set of application, management and security REST APIs with existing industrial "brown field" systems and clouds.



Interoperable, flexible, and scalable edge computing services platform with a set of APIs that can also run with libraries and runtimes.



Uses common dictionary-making techniques to maintain a database of canonical definitions for components and concepts important to edge computing. By advocating for industry-wide adoption of common terms, the project seeks to improve dialog and understanding. The project also maintains the Edge Computing Landscape.

LF Edge 2020: Summary

1. **Unifying** Open Source Edge **Communities & frameworks** across IOT, Enterprise, Cloud & Telecom Edge and grow community
 - › Launch education and training courses beyond thought leadership/glossary

1. Keep LF Edge **Open & Interoperable** with
 - › Hardware, Silicon, Cloud, OS, Protocol independence
 - › Bringing the best of telecom, cloud, IOT & enterprise – location, latency & mobility

1. **Collaborate and Integrate** with upstream and downstream OSS communities and drive additional value by new projects across verticals with Blueprints to accelerate deployment of use cases
 - › Focus on Cross Project collaboration (including demos, whitepapers..)
 - › In collaboration with Consortia/SDO (IIC, AECC, OEC, ETSI)
 - › Align Major events around IOT SWC & ONES (expanded to include Edge)

Premier Members



General Members



Associate Members and Liaisons



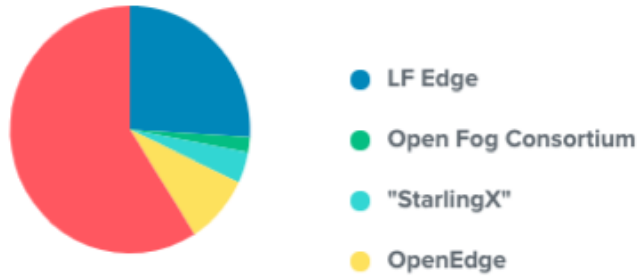
LF Edge Marketing & Communications

2019 LF Edge - by the numbers, since launch (Jan 2019)

- › 10 Press releases
- › 108 Original feature articles
- › 9,000+ Mentions in articles
- › 50+ Media interviews
- › 40+ Analyst briefings
- › 5 Tradeshows with on-site booth
- › 22+ industry events with LF Edge speaking engagements
- › **10 Meetups, hackathons, workshops or F2F project meetings**
- › **20+ Blogs**
- › **7 Project datasheets**
- › **176,500 LF Edge web views**
- › **49,200+ New users on the website**
- › **1,050+ followers on @LF_Edge**
- › **6.7 Million+ potential impressions on social media**

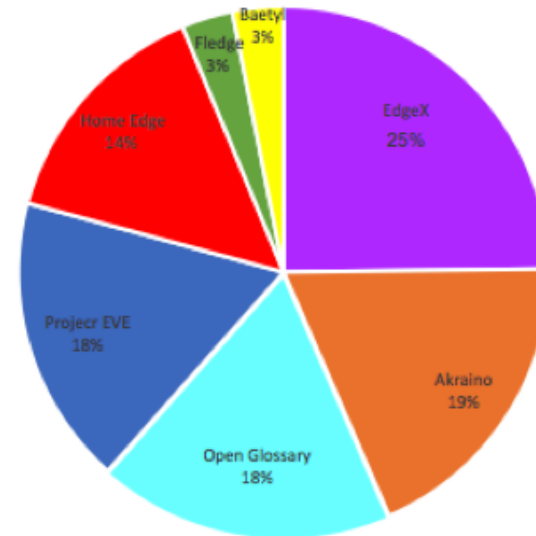
2019 Share of Voice

- › Mentioned online in more than 9,000+ articles
- › 26% SOV for the year, only behind Industrial Internet Consortium



● LF Edge	26%
● Open Fog Consortium	2%
● "StarlingX"	4%
● OpenEdge	9%
● Industrial Internet Consortium	59%

Mentions By Project



■ EdgeX Foundry ■ Akraino Edge Stack ■ Open Glossary of Edge Computing ■ Project EVE ■ Home Edge ■ Fledge ■ Baetyl

Top Original Feature Headlines



[Bringing open-source rhyme and reason to edge computing: LF Edge](#)



[Why the Linux Foundation's New Project May Prove Transformative](#)



[A New Linux Foundation Effort for the Edge](#)



[LF Edge aims to be a one stop shop for open source edge computing](#)



[Project EVE Seed Code Drops, Creates Virtualization Standard for Edge Devices](#)



[Akraino Edge Stack makes its formal debut with telco-specific architecture blueprints for 5G and IoT](#)



[EdgeX Foundry Reaches Commercial Readiness as Linux Foundation Arms IoT Edge at Scale](#)



[Open Source Networking Industry Rapidly \(In Some Cases\) Moves To The Edge](#)

Thought Leadership

IoT World Conference

- 22 Industry events across the globe that featured LF Edge thought leaders
- LF Marketing secured 16 speaking engagements, panel opportunities, dev wor



Internet of Things World



5G Transport & the Edge



ONS

Edge Computing Congress



Media and Analyst Briefings

Almost 100 briefings with various project leaders:

- > Arpit Joshipura, Keith Steele (IOTech), Jason Shepherd (Dell), Erik Nordmark (Zededa), Tina Tsou (Arm), Kandan Kathirvel (AT&T), Matt Trifiro (Vapor.io), Chris Timmins (Intel)



Cisco Cloud Unfiltered Podcasts

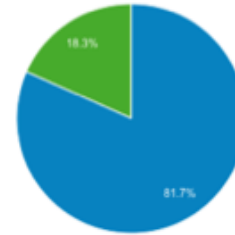


Online Presence - LF Edge Website

Launched on January 24- December 2019

- 176,500 pageviews, 49,200+ Visitors
- Most clicked on: Akraino, About LF Edge, EVE, Members, EdgeX Foundry
- Top Referrals: Linux Foundation, EdgeX Foundry, GitHub, Baidu, Akraino Zededa, Linux Foundation Japan, Bing China, NTT Japan, Samsung Open
- Top Sources: Direct, Google (organic), LF website, EdgeX website, Twitter
- Spikes from launch, announcements, tradeshow (Sept - ONS EU)

■ New Visitor ■ Returning Visitor



Users from:

1.  United States
2.  China
3.  India
4.  Japan
5.  Germany
6.  United Kingdom
7.  South Korea
8.  Canada
9.  France
10.  Taiwan



2020 Social Media Stats

Social Media (Twitter, LinkedIn, Youtube):

- 7,567 followers
- Launching LF Edge LinkedIn and Youtube in the next few weeks
- Wechat - 642

Web Site (Jan 1, 2019- Jan 29, 2020):

- 55,461 users
- 198,212 pageviews

Other stats

- Member email list – 269
- Slack users – 1,207

Swag tools:

- Sticker Mule
- Pinnacle Branding
- Litorders

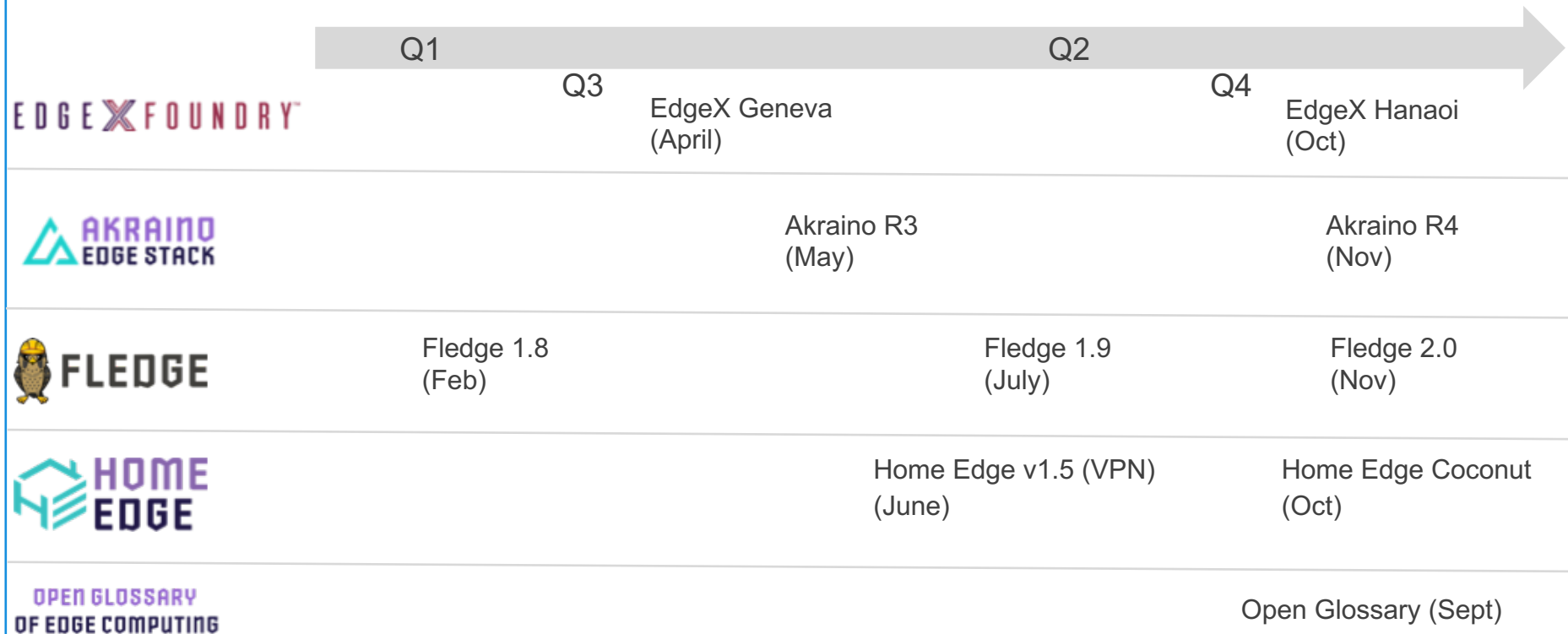
Comms/Content Tools:

- Social Studio – managing social media and developer engagement
- Union Metrics – finding analytics for social media and engagement
- IT Database – researching media and analyst contact info and articles
- Trendkite – measuring SOV, monitoring coverage and key messages
- PR Newswire – posting press releases and distributing nationally or globally
- Zoom – hosting meetings

2020 Marketing Goals

- › Position LF Edge as thought leader in defining the open edge ecosystem, with LF Edge as the defacto standard across telco, cloud, enterprise, and IoT
- › Lay the groundwork for a sustainable, thriving, and cohesive community that supports demand generation for new projects, members, and developers
- › Build momentum on early project releases via integrated marketing approach, to include traditional PR and digital marketing elements (e.g., use cases, case studies, Blogs, and webinars) as relevant, in order to gain traction

2020 LF Edge Project Releases



2020 Events

Q1

Speaking: Edge Computing in Oil & Gas, Embedded World, FOSDEM, LF Member Summit

Meetups/F2F Meetings: EdgeX Foundry Tokyo, Akraino TSC F2F, Fledge Hackathon

Webinars: LF Edge, Akraino

Exhibit: National Retail Federation (NRF)

Q2

Speaking: IoT Build, IoT World, Sensors Expo, OSS Norther America, OSS China, ONES

Meetups/F2F Meetings: EdgeX Foundry TSC F2F, EdgeX Hackathon

Webinars: Project EVE, Home Edge

Exhibit: Hannover Messe, Open Networking & Edge Summit

Q3

Speaking: Open Networking & Edge Summit Europe

Meetups/F2F Meetings: Akraino Hackathon, LF Edge Summit

Webinars: Open Glossary, Fledge, Baetyl

Exhibit: Open Networking & Edge Summit Europe

Q4

Speaking: Edge Computing World, IoT Solutions World Congress

Meetups/F2F Meetings: EdgeX Foundry TSC F2F

Webinars: LF Edge Use Cases

Exhibit: IoT Solutions World Congress, Edge Computing World,

ONES North America (April 20-21, Los Angeles)

- LF Edge is a co-host with LFN and Linux Foundation
- Marketing Outreach is currently discussing:
 - Booth: Combined Pavilion set-up with LF Networking (no impact on cost)
 - Booth demo submissions open:
 - Demos must include technology from at least one of the LF Networking or LF Edge projects (e.g. ONAP, OPNFV, Akraino, EdgeX Foundry, Project EVE, etc.)
 - Special consideration will be given to submissions that:
 - Showcase cross-project collaboration and integration
 - Map to a specific industry use case
 - Include participation and endorsement from a service provider organization
 - Show project diversity (e.g. projects not covered in other submissions)
 - [TAC Arch WG](#) is working to build a 2 cross-project demos
 - Fledge + EVE (FLIR camera demo). Aiming to be done in the next 2 weeks.
 - Will try to add Akraino (Blueprints) into it
 - EdgeX + EVE. Earlier in the planning stages.
 - Demo managers/presenters must be from member companies
 - Submissions from vendor companies need to be ONES sponsors (note, there is a demo sponsorship category)
 - Submissions due 2/26 to this [Google Form](#)
 - Discussing “Unconference” Track

www.lfedge.org

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