

# Meeting of the Technical Advisory Council (TAC)

November 5, 2020

 **DLF** AI & DATA

# Anti-Trust Policy

- › 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.
- › Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at <http://www.linuxfoundation.org/antitrust-policy>. If you have questions about these matters, please contact your company counsel, or if you are a member of the Linux Foundation, feel free to contact Andrew Updegrave of the firm of Gesmer Undergone LLP, which provides legal counsel to the Linux Foundation.

# Recording of Calls

- › **Reminder:**

- ›

- › TAC calls are recorded and available for viewing on the [TAC Wiki](#)

# Reminder: LF AI & Data Useful Links

- › Web site: [lfai.foundation](https://lfai.foundation)
- › Wiki: [wiki.lfai.foundation](https://wiki.lfai.foundation)
- › GitHub: [github.com/lfai](https://github.com/lfai)
- › Landscape: [landscape.lfai.foundation](https://landscape.lfai.foundation) or [l.lfai.foundation](https://l.lfai.foundation)
- › Mail Lists: <https://lists.lfai.foundation>
- ›
- › LF AI Logos: <https://github.com/lfai/artwork/tree/master/lfai>
- › LF AI Presentation Template:  
[https://drive.google.com/file/d/1eiDNJvXCqSZHT4Zk\\_-czASlz2GTBRZk2/view?usp=sharing](https://drive.google.com/file/d/1eiDNJvXCqSZHT4Zk_-czASlz2GTBRZk2/view?usp=sharing)
- ›
- › Events Page on LF AI Website: <https://lfai.foundation/events/>
- › Events Calendar on LF AI Wiki (subscribe available):  
<https://wiki.lfai.foundation/pages/viewpage.action?pageId=12091544>
- › Event Wiki Pages: <https://wiki.lfai.foundation/display/DL/LF+AI+Foundation+Events>

# Agenda

- › Welcome ODPi Member and Projects to merged LF AI & Data!!! (3 minutes)
- › Revised Mission Statement (2 minutes)
- › Roll Call (2 mins)
- › Approval of Minutes (2 mins)
- › Project Contribution Proposal + Q&A + TAC Vote (30 minutes)
  - › DataPractices.Org
- › Invited Presentation (15 minutes)
  - › KubeFlow-on-Premises
- › LF AI General Updates (3 minutes) - good press coverage of LF AI & Data announcement
- › Open Discussion (3 minutes)

# Welcoming New Members

## Premier

- SAS Institute

## General

- Index Analytics
- ING Bank
- Cloudera
- Precisely
- AlphaBravo
- Broadcom
- Databricks

## Associate

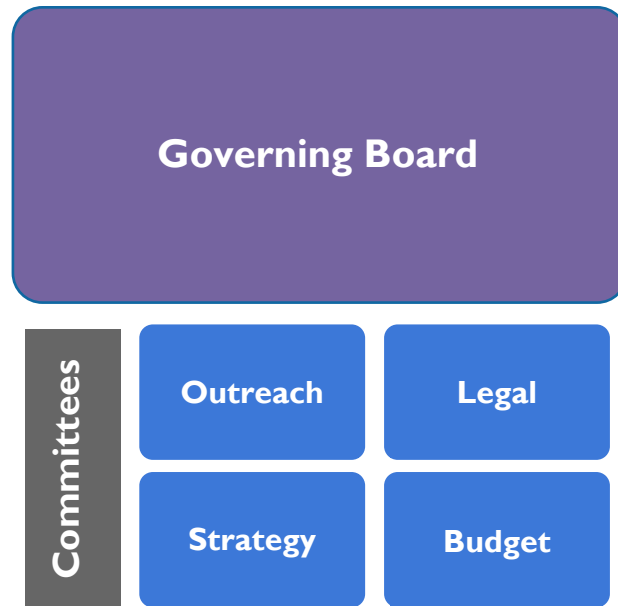
- Aivancity School for Technology, Business & Society
- Open (OpenIntelligence)
- The Shanghai Open Source Information Technology Association
- Peng Cheng Laboratory



# Structure and Governance

## Foundation Governance

Funding effort to support hosted technical projects

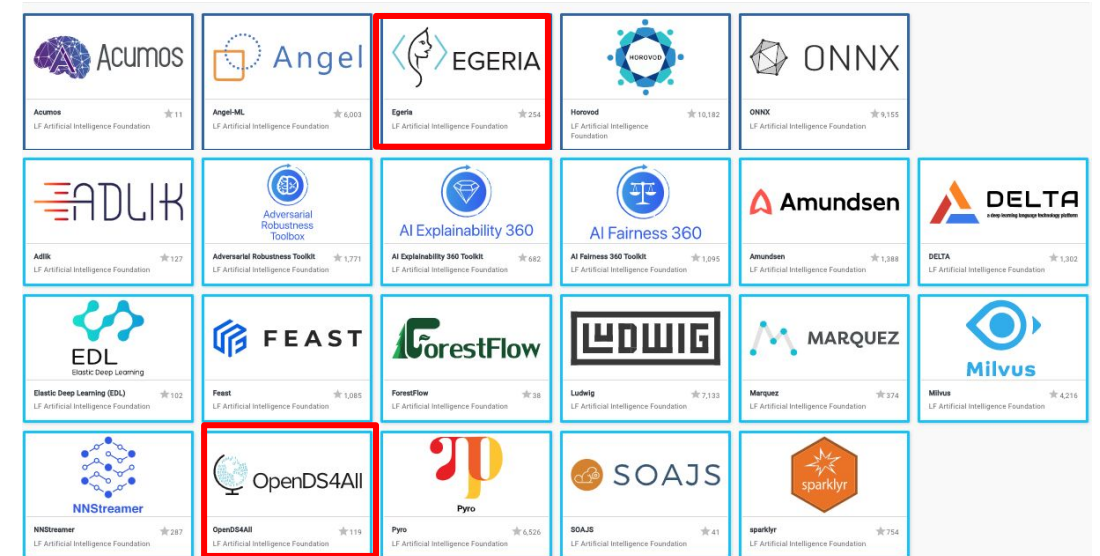


## Technical Coordination, New Initiatives



## Hosted Projects

Projects have their own independent technical governance



# Mission

To build and support an open community and a growing ecosystem of open source AI, data and analytics projects, by accelerating innovation, enabling collaboration and the creation of new opportunities for all the members of the community



# TAC Voting Members

Board Member	Contact Person	Email
AT&T	Anwar Atfab	<a href="mailto:anwar@research.att.com">anwar@research.att.com</a>
Baidu	Ti Zhou	<a href="mailto:zhouti@baidu.com">zhouti@baidu.com</a>
Ericsson	Rani Yadav-Ranjan	<a href="mailto:rani.yadav-ranjan@ericsson.com">rani.yadav-ranjan@ericsson.com</a>
Huawei	Huang Zhipeng	<a href="mailto:huangzhipeng@huawei.com">huangzhipeng@huawei.com</a>
IBM	Susan Malaika	<a href="mailto:malaika@us.ibm.com">malaika@us.ibm.com</a>
Nokia	Jonne Soininen	<a href="mailto:jonnesoininen@nokia.com">jonnesoininen@nokia.com</a>
SAS	Craig Rubendall	<a href="mailto:craig.rubendall@sas.com">craig.rubendall@sas.com</a>
Tech Mahindra	Nikunj Nirmal	<a href="mailto:nn006444@techmahindra.com">nn006444@techmahindra.com</a>
Tencent	Bruce Tao	<a href="mailto:brucetao@tencent.com">brucetao@tencent.com</a>
Zilliz	Jun Gu	<a href="mailto:jun.gu@zilliz.com">jun.gu@zilliz.com</a>
ZTE	Wei Meng	<a href="mailto:meng.wei2@zte.com.cn">meng.wei2@zte.com.cn</a>
Graduate Project	Contact Person	Email
Acumos	Nat Subramanian	<a href="mailto:natarajan.subramanian@techmahindra.com">natarajan.subramanian@techmahindra.com</a>
Angel	Bruce Tao	<a href="mailto:brucetao@tencent.com">brucetao@tencent.com</a>
Egeria	Mandy Chessell	<a href="mailto:mandy_chessell@uk.ibm.com">mandy_chessell@uk.ibm.com</a>
Horovod	Travis Addair	<a href="mailto:taddair@uber.com">taddair@uber.com</a>
ONNX	Jim Spohrer (Chair of TAC)	<a href="mailto:spohrer@us.ibm.com">spohrer@us.ibm.com</a>

# Approval of October 22, 2020 Minutes

Draft minutes from the October 22<sup>th</sup> TAC call were previously distributed to the TAC members via the mailing list

## **Proposed Resolution:**

- › That the minutes of the October 22<sup>th</sup> meeting of the Technical Advisory Council of the LF AI & Data Foundation are hereby approved.

# Project Contribution Proposal - DataPractices.Org

# Project Contribution Proposal Review & Discussion: DataPractices.org

DataPractices.org was created to help raise the level of data literacy and modern, ethical, data practice throughout the ecosystem. Our ethical framework, and open courseware, will help to further the mission of the LF AI & Data foundation. In terms of collaboration with other projects, OpenDS4All would be a great place to build on courseware and leverage expert connections to create more.

**Presenter:** Patrick McGarry

**Resources:**

Github: <https://github.com/datadotworld/data-practices-site>

Project Level: Incubation

Proposal: <https://github.com/lfai/proposing-projects/pull/30/commits/9390d85e74eebe73fd3d8479e8f948750e0ec8d9>



# DataPractices.org

## Starting the Agile movement for data

Patrick McGarry

# Historical Context

<https://datapactices.org>

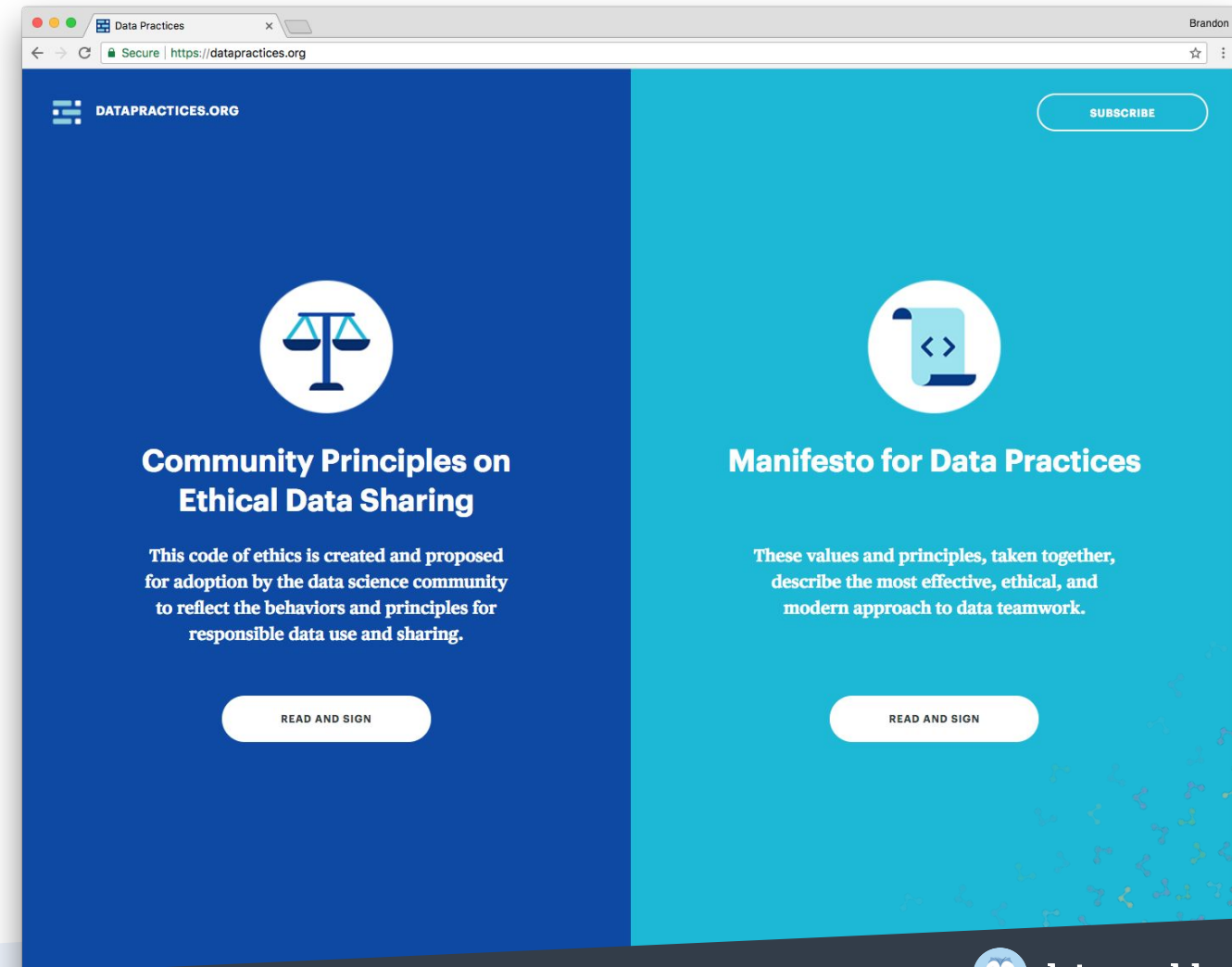
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## Manifesto for Data Practices

1. First release successful
2. Community-driven
3. Still gathering signatures
4. **Origination:** [ODSLS](#)
5. **Focus:** Data work

## Global Data Ethics Pledge

1. Was: Community Principles on Ethical Data Sharing
2. Work in progress
3. Community-driven (via D4D)
4. Community draft released
5. **Origination:** Bloomberg, D4D, Brighthive
6. **Focus:** Data Ethics



BACK

SUBSCRIBE



## Manifesto for Data Practices

VALUES

PRINCIPLES

AUTHORS

SIGNATORIES

SIGN

We believe these values and principles, taken together, describe the most effective, ethical, and modern approach to data teamwork.

### VALUES



#### Inclusion

Maximize diversity, connectivity, and accessibility among data sources, collaborators, and outputs.



#### Experimentation

Emphasize continuously iterative testing and data analysis.



#### Accountability

Behave ethically and transparently, fix mistakes quickly, and hold ourselves and others accountable.



#### Impact

Prioritize projects with well-defined goals, and design them to achieve measurable, substantive outcomes.



4 core values

12 principles

39 authors

2,200+ signatories

[datapactices.org/](https://datapactices.org/)

# Supported by leaders of the data community

## 39 authors, including:

- **Eric Colson**, Chief Algorithms Officer, StitchFix
- **Amy Gershkoff**, former Chief Data Scientist, Ancestry.com
- **Fernando Perez**, creator of iPython, Assistant Professor, Statistics, UC Berkeley
- **Andrew Therriault**, Chief Data Officer, City of Boston
- **Therese Couture**, Human Trafficking Data Analyst, Polaris
- **Wes McKinney**, BDFL, Pandas

## 2,200+ signatories, including:

- **DJ Patil**, former Chief Data Scientist of the United States
- **Monica Rogati**, former VP of Data Science, Jawbone
- **Kirk Borne**, Principal Data Scientist, Booz Allen Hamilton
- **Tricia Wang**, Fellow, Harvard Berkman Center
- **Jonathan Albright**, Research Director, Tow Center for Digital Journalism
- **Gregory Piatetsky**, founder, KDnuggets.com



# Recent Evolution

# Content

- Two collections of content
  - Project Lifecycle
  - Culture / Practice
- Community Reviewed / Maintained



# Collaborators

- **Community**

- Carpentries
- The Linux Foundation
- Zuar
- Brian Granger / Fernando Perez
- Data Society
- UCLA
- Oracle

- **Commercial**

- Praxis Analytics
- The Data Incubator
- Data Literacy



# Why Transfer Ownership?

- All assets passed to The Linux Foundation
  - 501(c)6
  - Tech focused
  - Houses the Linux kernel (& many others)
- Press and promotion
- Trade federation network for participation
- data.world to lead a diverse community/board




# Why AI & Data?

- Close affiliation with LF Data efforts in a supporting role.
- Upstream project collaboration:
  - Use datapractices.org content as a base
  - Ex. OpenDS4All - build on courseware and leverage expert connections to create more.
- Downstream project collaboration:
  - datapractices.org as a platform to host and distribute valuable cross-project content.
  - Ex. Course on bias from AI Fairness
  - Ex. High level thought leadership from all



# Courseware



# Project Lifecycle

- Kicking off a data project
- Sourcing Data
- Profile and Prepare
- Data Exploration
- Analyze and Report
- Data Project Post-Mortem



# Culture / Practice

- **How to Build a Data-Driven Culture**
- **A Survey of Data Visualization**
- **Moving from Computer Science to Data Science**
- **Data Science for People Who Don't Code**
- **Data Visualization Best Practices**
- **Data Ethics 101**



# What's Next?

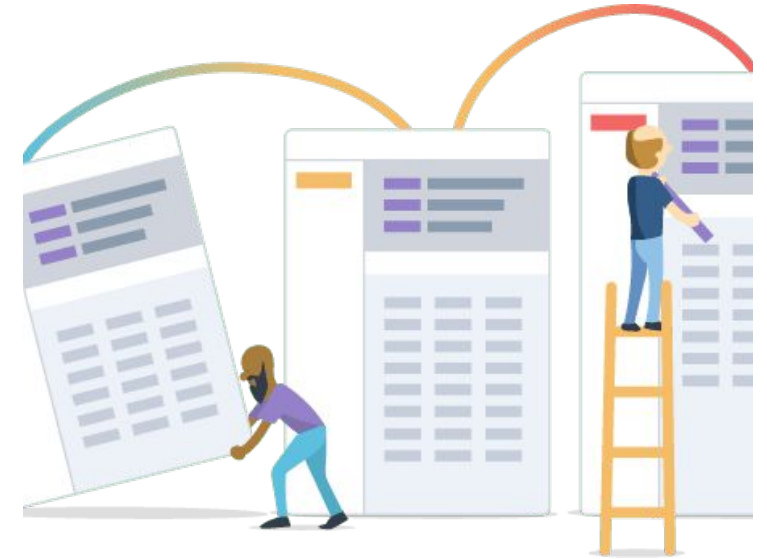
# Infrastructure & Governance

- Infrastructure
  - Automation
  - Hosting
- Governance
  - Expand technical leadership
  - Incorporate into broader effort
  - Finding a leader



# Content Development

- Courseware
  - Develop existing volunteers
  - Expand content collaboration
  - Deploy and use content
- Principles
  - Continue to build on momentum of signatories
  - Use as basis of CoC and Ethics development



Questions?



# TAC Vote on Project Proposal: DataPractices.org

## **Proposed Resolution:**

The TAC approves the DataPractices.org Project as an Incubation project of the LF AI & Data Foundation

## Next Steps

LF AI & Data staff will work with DataPractices.Org to onboard the project leading to the announcement of the project joining LF AI & Data

Explore potential integrations between the project and other LF AI & Data projects

Integrate the project with LF AI & Data operations

# Invited Presentation - Kubeflow-On-Premise

## Co-chairs -

- Mike Tanenbaum - [michael.a.tanenbaum@gmail.com](mailto:michael.a.tanenbaum@gmail.com)
- Rui Vasconcelos - [rui.vasconcelos.mail@gmail.com](mailto:rui.vasconcelos.mail@gmail.com)

## Tech Leads -

- Marlow Weston - [catblade@gmail.com](mailto:catblade@gmail.com)
- Igor Mameshin - [igor@agilestacks.com](mailto:igor@agilestacks.com)



# Kubeflow On-Prem SIG

Presentation to LFAI TAC - November 5th, 2020







# Introducing: Kubeflow On-Prem SIG

We are a group of Kubeflow distribution vendors, consultants, and end-users seeking to establish a consistent, referenceable, repeatable, and well-tested experience for current and future on-prem Kubeflow users.





# Why run KF on premises?



# Cost

## 01

Leveraging public cloud resources for long-running data transformation/ETL jobs, distributed ML/DL training operations (especially with GPU), is extremely expensive, especially when network transfer fees are included.

### End-user Implications:

Running ML/DL workloads in the **public cloud costs 2-3X more\*** than running on-prem (at scale).

*\*Forbes - Feb 2019*





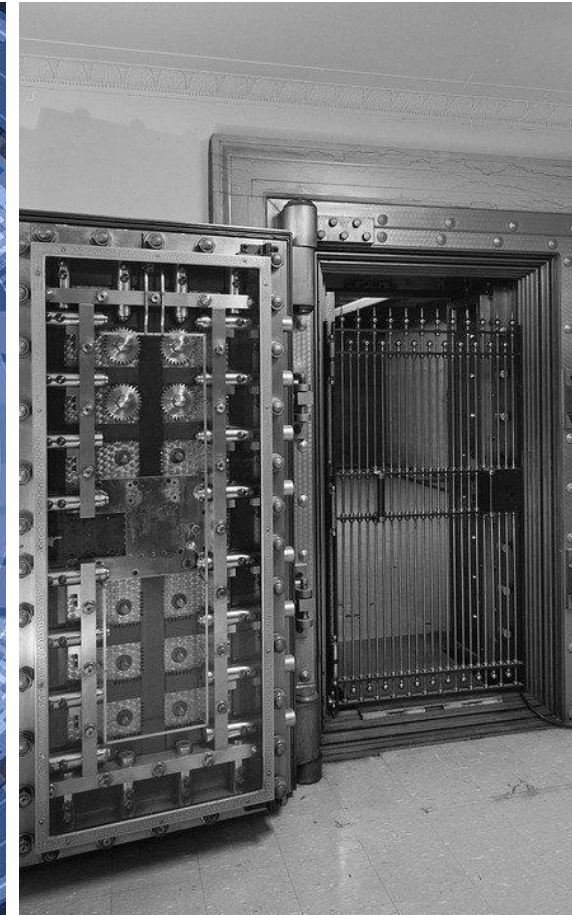
# Security

## 02

Many organizations are contractually prohibited from moving their data out of their data centers, and/or wish to maintain tight control over their data (via airgapping and other means)

### **End-user Implications:**

Users require an end-to-end OSS ML solution that anticipates the needs of an on-prem (and disconnected) environment.



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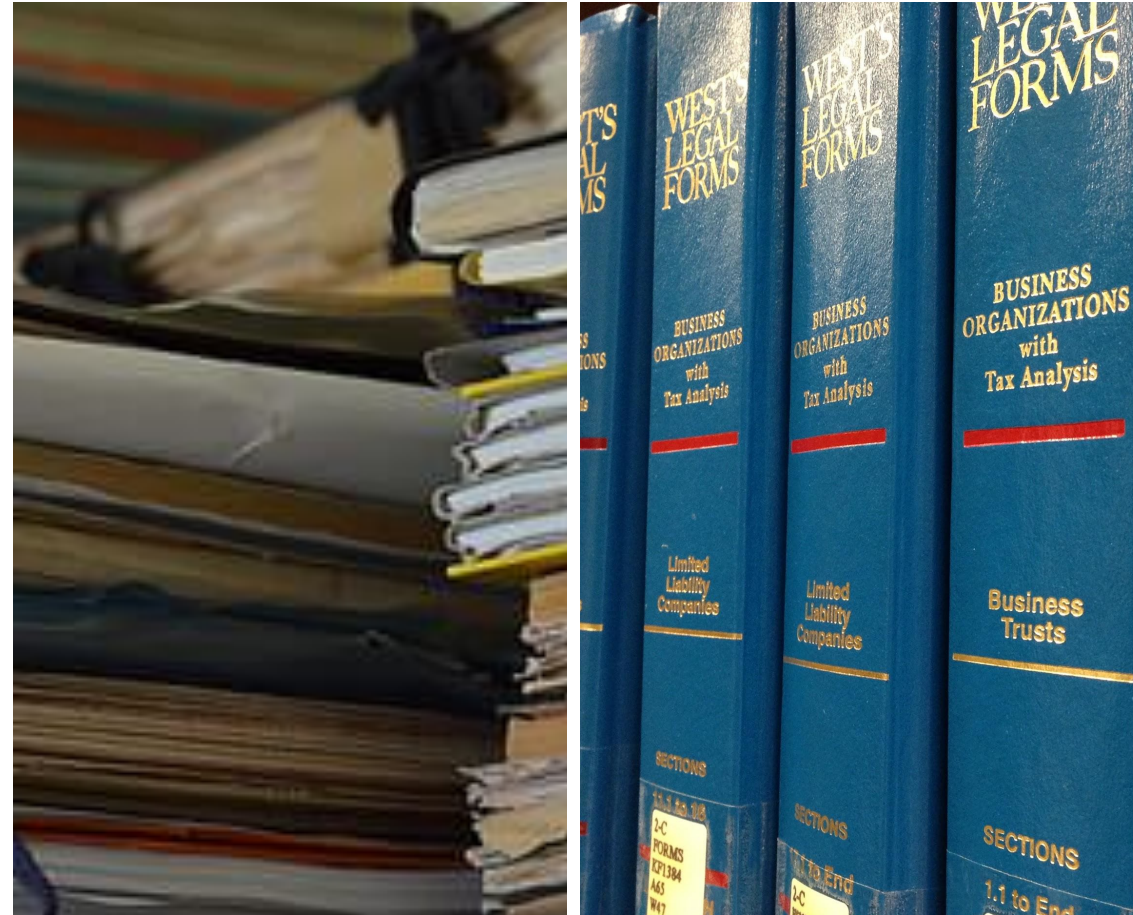
# Compliance

## 03

New data residency requirements (e.x., GDPR) outpace the availability of managed cloud services or SaaS offerings in specific geo's. However, colo's and IaaS vendors are available in every location.

### **End-user Implications:**

While the availability and quality of AI/ML PaaS offerings varies widely by geo, a tested and validated reference architecture using OSS components can be leveraged with any conformant hardware configuration (colo or IaaS).







# Community Roadmap

- 1 Establish reference architecture, covering: hardware architecture, OS, Kubernetes distribution/installation mechanism, KF components/versions - **v1 COMPLETE**
- 2 Conduct manual testing of the above reference architecture and toolchain and publish conformance/compliance/capability report back to community - **NOV. 2020**
- 3 Build CI/CD pipelines to automate the testing infrastructure per the supported toolchain above. - **Q1/Q2 2021**
- 4 Expand CI/CD to include OSS installer mechanisms and/or provide conformance results for combinations of KF components (if KF project splinters and no longer releases e2e KF versions). - **TBD**



# Opportunities to partner with LFAI

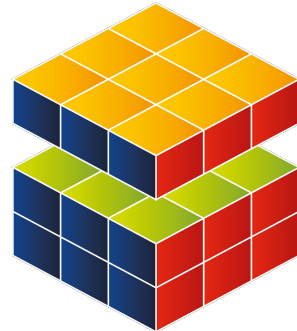
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Assist in knowledge sharing and publicity of KF On-Prem project with other members of the LFAI / LF / CNCF community.
- 

Assist in determining what LFAI community would like to see in terms of scale testing / mixed-workload testing for KF.



## Who We Represent



Agile Stacks







**Thank you.**

#sig-onprem on Kubeflow community Slack

Co-chairs -

- Mike Tanenbaum - [michael.a.tanenbaum@gmail.com](mailto:michael.a.tanenbaum@gmail.com)
- Rui Vasconcelos - [rui.vasconcelos.mail@gmail.com](mailto:rui.vasconcelos.mail@gmail.com)

Tech Leads -

- Marlow Weston - [catblade@gmail.com](mailto:catblade@gmail.com)
- Igor Mameshin - [igor@agilestacks.com](mailto:igor@agilestacks.com)



# LF AI & Data - General Updates

 LF AI & DATA

# LF AI & Data Foundation Announcement

## New AI & Data Foundation Combines Industry's Fastest-Growing Open Source Developments in Artificial Intelligence and Open Data

The Linux Foundation's AI Foundation & ODPI merge to support growing portfolio of technologies and drive open source collaboration across AI and data


[Press release](#) / [Blog post](#)

SD Times SOFTWARE DEVELOPMENT

# LF AI Foundation and ODPi merge efforts for open-source developments in AI and open data

Latest News Published: October 26th, 2020 - Jakub Lewkowicz

Twitter Email +



The LF AI Foundation and ODPi merged to support a growing portfolio of technologies and to drive open source collaboration across AI and

The Register

{\* ARTIFICIAL INTELLIGENCE \*}

# Linux Foundation projects on AI and data merge – because one of these concepts simply can't exist without the other

Combined org hoping to attract more industry support

Mon 26 Oct 2020 // 15:17 UTC GOT TIPS?

Tim Anderson BIO EMAIL TWITTER SHARE

LF AI Foundation and Open Data Platform Initiative (ODPi), until now two orgs under the Linux Foundation umbrella, are merging to become the LF AI and Data Foundation, a home for projects devoted to AI, machine learning (ML), data, and analytics.

The new foundation was unveiled at the [Open Source Summit Europe](#), which is of course virtual only (though held in timezones friendly

ComputerWeekly.com

Open Source Insider

# Why ODPi & LF AI have come together

Adrian Bridgwater

Published: 26 October 2020 14:27

Twitter LinkedIn Email

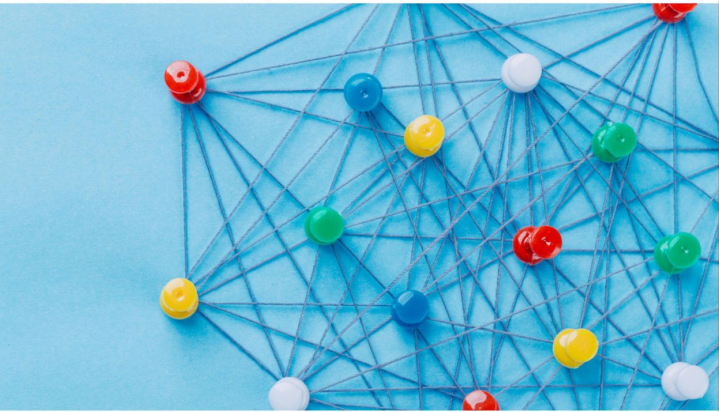
This is a guest post written by [John Mertic](#) in his role as ODPi program Director at [The Linux Foundation](#) – founded in 2000, the foundation is dedicated to building sustainable ecosystems around open source projects to accelerate development and adoption through financial and intellectual resources, infrastructure, services, events and training.

CONTENT CONTINUES BELOW



AUSTRALIA

# IT Brief



## LF AI & Data Foundation to support open source AI, data & analytics

27 Oct 2020

Newsdesk

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INSIGHTS FOR IT PROFESSIONALS

IT News > Software News > Open Source News

## The LF AI & Data Foundation begins its journey

Monica Tilves , October 26, 2020, 4:31 PM

OPEN SOURCE SOFTWARE



It will support a total of 22 projects as a result of the merger between the LF AI Foundation and ODPI.

Privacy

LINUX MAGAZIN ONLINE

Q ☰

## Linux Foundation and ODPI establish LF AI & Data Foundation

From Ulrich Bantle - October 27, 2020

Offering an ecosystem for machine learning, artificial intelligence and deep learning based on free software is the task of the AI Foundation under the leadership of the Linux Foundation. Now the Open Data Platform initiative (ODPi), also under the leadership of the Linux Foundation, and the AI Foundation have merged to form the LF AI & Data Foundation.

As the Linux Foundation [informs](#) that portfolio of the two groups in terms of Artificial Intelligence (AI) and data continues to grow. Through the merger, one can devote more concentrated and focused attention to building an ecosystem. An important link in this chain is also the merger of the two communities. Artificial intelligence and data processing are inextricably linked, according to the foundation. The bundling of the two fields of competence under one roof and the control by a technical advisory board and committees on the individual aspects bring advantages.

In the course of the merger, the ODPI projects Egeria and OpenDS4All will be hosted by the new foundation. Business intelligence and AI have their own committees.

**MI LEMONDE INFORMATIQUE** 🔍 👤 ☰

LOGICIEL / INTELLIGENCE ARTIFICIELLE

## La Fondation Linux fusionne les projets IA et data dans une structure unique

Jacques Cheminat, publié le 27 Octobre 2020

Dans un souci de rationalisation, la Fondation Linux a décidé de réunir deux structures, la LF AI Foundation et l'Open Data Platform Initiative (ODPi) pour devenir la LF AI and Data Foundation. Cette dernière abritera des projets consacrés à l'IA, au machine learning, aux données et à l'analytique.



Confidentialité

heise online heise+

## Machine Learning: LF AI Foundation und ODPi schließen sich zusammen

Die unter dem Dach der Linux Foundation aufgestellten Organisationen für künstliche Intelligenz und Big Data gehen in der neuen LF AI & Data Foundation auf.

Lesezeit: 1 Min.  speichern 🔊 💬



09:41 Uhr | Developer  
Von Rainald Menge-Sonntag


🔔 LF AI & Data Foundation existiert eine neue Organisation unter dem Dach der Linux Foundation. Sie ist das Ergebnis des Zusammenschlusses der

Irish Tech News 🔍

HOMEPAGE > TECH NEWS

BUSINESS / FUTURE TRENDS / INNOVATION / TECH NEWS

## LF AI Foundation- Sustaining open source innovation



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# New AI & Data Foundation Combines Industry's Fastest-Growing Open Source Developments In AI And Open Data

MACHINE LEARNING DEEP LEARNING NEWS

 By AIT News Desk — On Oct 27, 2020



***The Linux Foundation's AI Foundation & ODPI merge to support growing portfolio of technologies and drive open source collaboration across AI and data***

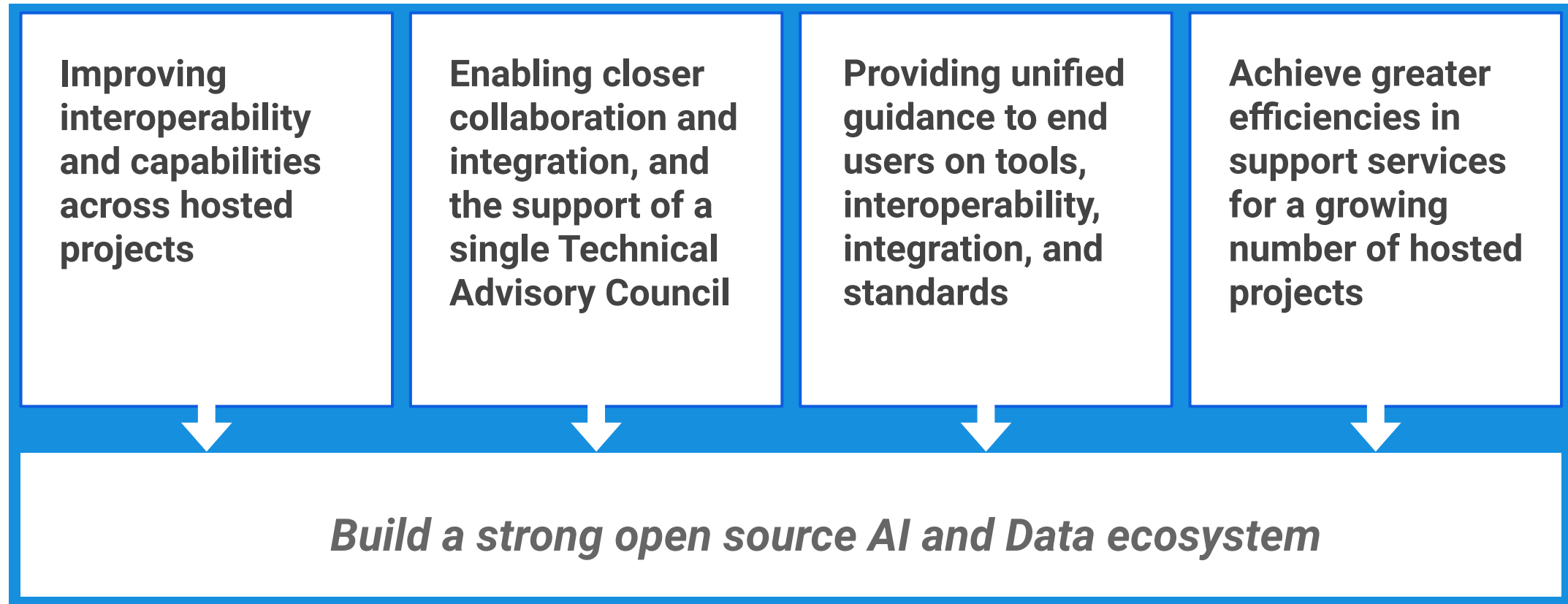
LF AI Foundation (LF AI), the organization



# LF AI & DATA TIMELINE 2020



# Motivations for Harmonization



Machine Learning	Framework	Platform	Library	Framework	Platform	Library	Tool	Reinforcement Learning	Programming




Notebook Environment	Versioning	Store & Format	Operations	Stream Processing	SQL Engine	Feature Engineering	Visualization	Pipeline Management	Labeling and Annotation	Governance

Model	Benchmarking	Training	Parameter	Format & Interface	Marketplace	Workflow	Inference	Tool	Explainability	Adversarial	Bias & Fairness

Distributed Computing	Computing & Management	Interface	Security & Privacy	Natural Language Processing	Education

The LF AI & Data landscape explores open source projects in Artificial Intelligence and Data and their respective domains.

[l.fai.foundation](https://l.fai.foundation)


Machine Learning	Framework	Platform	Library	Framework	Platform	Library	Tool	Reinforcement Learning	Programming
		 LFAI Graduated	 LFAI Incubating						 LFAI Incubating

Notebook Environment	Versioning	Store & Format	Operations	Stream Processing	SQL Engine	Feature Engineering	Visualization	Pipeline Management	Labeling and Annotation	Governance
			 LFAI Incubating	 LFAI Incubating	 LFAI Incubating	 LFAI Incubating				 LFAI Graduated

Model	Benchmarking	Training	Parameter	Format & Interface	Marketplace	Workflow	Inference	Tool	Explainability	Adversarial	Bias & Fairness
		 LFAI Graduated	 LFAI Incubating		 LFAI Graduated	 LFAI Graduated		 LFAI Incubating		 LFAI Incubating	 LFAI Incubating

Distributed Computing	Computing & Management	Interface	Security & Privacy	Natural Language Processing	Education
	 LFAI Incubating	 LFAI Incubating	 LFAI Incubating	 l.fai.foundation	 LFAI Incubating

The LF AI landscape explores open source projects in the domains of artificial intelligence, machine learning, and deep learning.




















# A Growing LF AI & Data Project Portfolio and Community

## Graduated LFAI Projects (5)

 <p><b>Acumos</b> LF Artificial Intelligence Foundation</p> <p>★ 11</p>	 <p><b>Angel</b></p> <p><b>Angel-ML</b> LF Artificial Intelligence Foundation</p> <p>★ 6,003</p>	 <p><b>EGERIA</b></p> <p><b>Egeria</b> LF Artificial Intelligence Foundation</p> <p>★ 254</p>	 <p><b>HOROVOD</b></p> <p><b>Horovod</b> LF Artificial Intelligence Foundation</p> <p>★ 10,182</p>	 <p><b>ONNX</b></p> <p><b>ONNX</b> LF Artificial Intelligence Foundation</p> <p>★ 9,155</p>
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## Incubating LFAI Projects (17)

 <p><b>ADLIK</b></p> <p><b>Adlik</b> LF Artificial Intelligence Foundation</p> <p>★ 127</p>	 <p><b>Adversarial Robustness Toolbox</b></p> <p><b>Adversarial Robustness Toolkit</b> LF Artificial Intelligence Foundation</p> <p>★ 1,771</p>	 <p><b>AI Explainability 360</b></p> <p><b>AI Explainability 360 Toolkit</b> LF Artificial Intelligence Foundation</p> <p>★ 682</p>	 <p><b>AI Fairness 360</b></p> <p><b>AI Fairness 360 Toolkit</b> LF Artificial Intelligence Foundation</p> <p>★ 1,095</p>	 <p><b>Amundsen</b></p> <p><b>Amundsen</b> LF Artificial Intelligence Foundation</p> <p>★ 1,388</p>	 <p><b>DELTA</b> a deep learning language technology platform</p> <p><b>DELTA</b> LF Artificial Intelligence Foundation</p> <p>★ 1,302</p>
 <p><b>EDL</b> Elastic Deep Learning</p> <p><b>Elastic Deep Learning (EDL)</b> LF Artificial Intelligence Foundation</p> <p>★ 102</p>	 <p><b>FEAST</b></p> <p><b>Feast</b> LF Artificial Intelligence Foundation</p> <p>★ 1,085</p>	 <p><b>ForestFlow</b></p> <p><b>ForestFlow</b> LF Artificial Intelligence Foundation</p> <p>★ 38</p>	 <p><b>LUDWIG</b></p> <p><b>Ludwig</b> LF Artificial Intelligence Foundation</p> <p>★ 7,133</p>	 <p><b>MARQUEZ</b></p> <p><b>Marquez</b> LF Artificial Intelligence Foundation</p> <p>★ 374</p>	 <p><b>Milvus</b></p> <p><b>Milvus</b> LF Artificial Intelligence Foundation</p> <p>★ 4,216</p>
 <p><b>NNStreamer</b></p> <p><b>NNStreamer</b> LF Artificial Intelligence Foundation</p> <p>★ 287</p>	 <p><b>OpenDS4All</b></p> <p><b>OpenDS4All</b> LF Artificial Intelligence Foundation</p> <p>★ 119</p>	 <p><b>Pyro</b></p> <p><b>Pyro</b> LF Artificial Intelligence Foundation</p> <p>★ 6,526</p>	 <p><b>SOAJS</b></p> <p><b>SOAJS</b> LF Artificial Intelligence Foundation</p> <p>★ 41</p>	 <p><b>sparklyr</b></p> <p><b>sparklyr</b> LF Artificial Intelligence Foundation</p> <p>★ 754</p>	

# Companies hosting projects in LF AI

<https://landscape.lfai.foundation/format=hosting>

amazon

AT&T

Baidu 百度

DiDi

DREAMWORKS

FACEBOOK

Herron Tech

IBM

lyft

Microsoft

gojek

R Studio

SAMSUNG

Tech Mahindra

Tencent 腾讯

Uber

wework

ZILLIZ  
Reinvent Data Science

ZTE

# Looking to host a project with LF AI & Data

- › Hosted project stages and life cycle:

<https://lfai.foundation/project-stages-and-lifecycle/>

- › Offered services for hosted projects:

<https://lfai.foundation/services-for-projects/>

- › Contact:

Jim Spohrer (TAC Chair) and Ibrahim Haddad (ED, LF AI & Data)

# Promoting Upcoming Project Releases

We promote project releases via a blog post and on LF AI & Data [Twitter](#) and/or [LinkedIn](#) social channels

For links to details on upcoming releases for LF AI & Data hosted projects visit the [Technical Project Releases wiki](#)

If you are an LF AI & Data hosted project and would like LF AI & Data to promote your release, reach out to [pr@lfai.foundation](mailto:pr@lfai.foundation) to coordinate in advance (min 2 wks) of your expected release date.



# Note on quorum

As LF AI & Data is growing, we now have 16 voting members on the TAC.

TAC representative - please ensure you attend the bi-weekly calls or email Jacqueline/Ibrahim to designate an alternate representative when you can not make it.

We need to ensure quorum on the calls especially when we have items to vote on.

# Updates from Outreach Committee

# Upcoming Events

- › Upcoming Events
  - › Visit the [LF AI & Data Events Calendar](#) or the [LF AI & Data 2020 Events wiki](#) for a list of all events
  - › To participate visit the [LF AI & Data 2020 Events wiki page](#) or email [info@lfai.foundation](mailto:info@lfai.foundation)
  
- › Please consider holding virtual events

To discuss participation, please email [events@lfai.foundation](mailto:events@lfai.foundation)

# Upcoming Events

**End of the year wrap-up**

**Nov18 - Open Forum Europe - Turning Ethical AI into Technical Reality**

<https://www.openforumeurope.org/event/turning-ethical-ai-into-technical-reality/>

**Just completed**

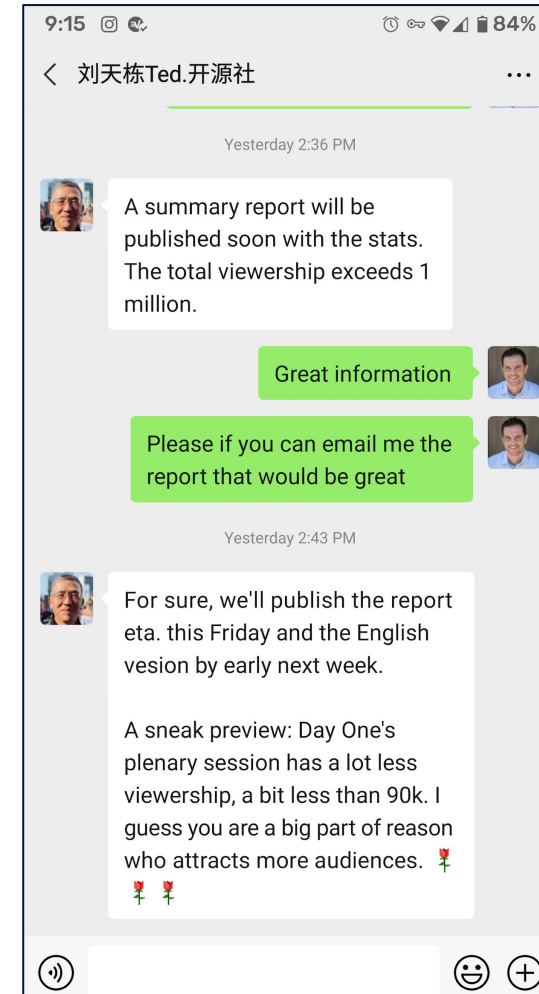
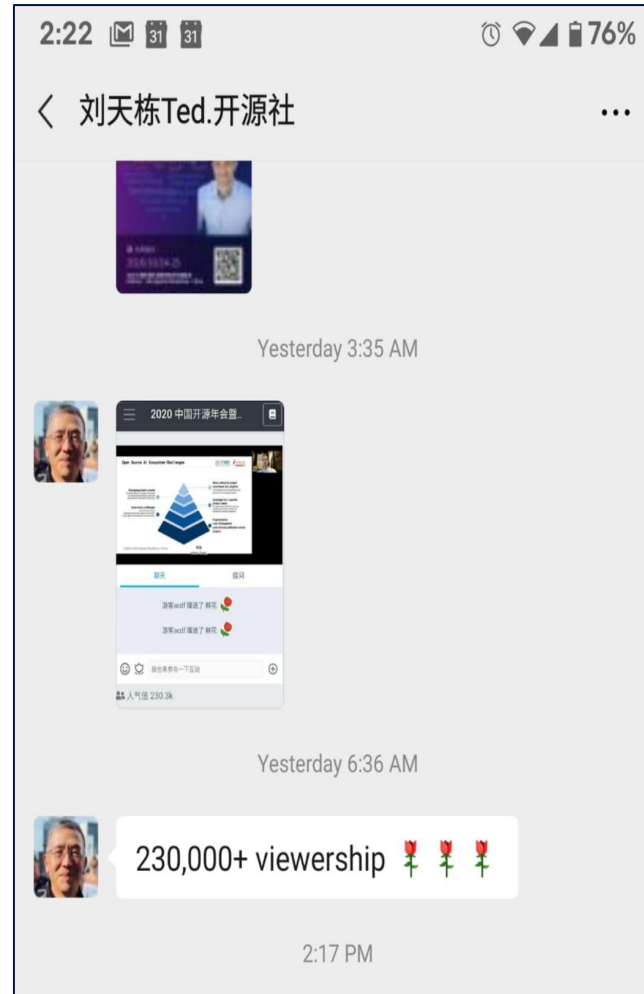
**China Open Source Conference - Oct 25**

**LF AI Mini Summit at OSS EU – Virtual – Oct 29**

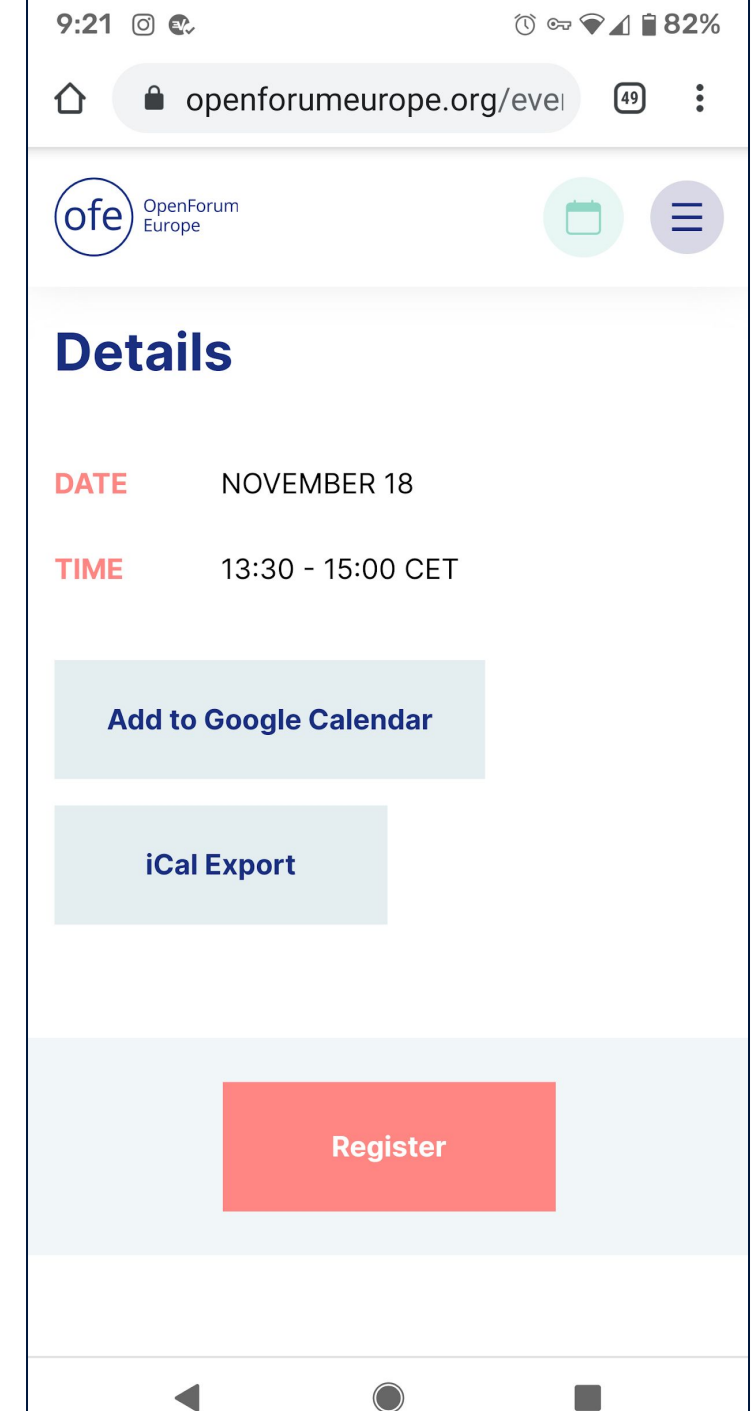
October 29 @ 12:00 am

LF AI Foundation will hold a Mini Summit at Open Source Summit EU (OSS EU)

# Over 230K live viewers (over 1M viewers total) China Open Source Conference (Oct 25)



# Workshop on Ethical AI in collaboration with Open Forum Europe and hosted by the EU Parliament



# LF AI PR/Comms

- › Please follow LF AI & Data on [Twitter](#) & [LinkedIn](#) and help amplify news via your social networks - Please retweet and share!
  - › Also watch for news updates via the tac-general mail list
  - › View recent announcement on the [LF AI & Data Blog](#)
- › Open call to publish project/committee updates or other relevant content on the [LF AI & Data Blog](#)
- › To discuss more details on participation or upcoming announcements, please email [pr@lfai.foundation](mailto:pr@lfai.foundation)

# Call to Participate in Ongoing Efforts

 **OLF** AI & DATA



# Trusted AI

- › **Leadership:**  
Animesh Singh (IBM), Souad Ouali (Orange), and Jeff Cao (Tencent)
- › **Goal:** Create policies, guidelines, tooling and use cases by industry
- › **Github:**  
<https://github.com/lfai/trusted-ai>
- › **Wiki:**  
<https://wiki.lfai.foundation/display/DL/Trusted+AI+Committee>
- › **To participate:**  
<https://lists.lfai.foundation/g/trustedai-committee/>
- › **Next call:** Bi-weekly on Thursdays at 7am PT, subscribe to group calendar on wiki  
<https://wiki.lfai.foundation/pages/viewpage.action?pageId=12091895>

# ML Workflow & Interop

- › **Leadership:**  
Huang “Howard” Zhipeng (Huawei)
- › **Goal:**  
Define an ML Workflow and promote cross project integration
- › **Wiki:**  
<https://wiki.lfai.foundation/display/DL/ML+Workflow+Committee>
- › **To participate:**  
<https://lists.lfai.foundation/g/mlworkflow-committee>
- › **Next call:** Every 4 weeks on Thursdays at 7:00 am PT, subscribe to group calendar on wiki  
<https://wiki.lfai.foundation/pages/viewpage.action?pageId=18481242>

# Launching an effort to create AI Ethics Training

Initial developed course by the LF: Ethics in AI and Big Data - published on edX platform:

<https://www.edx.org/course/ethics-in-ai-and-big-data>

The goal is to build 2 more modules and package all 3 as a professional certificate - a requirement for edX

- › **To participate:**  
<https://lists.lfai.foundation/g/aiethics-training>

# Upcoming TAC Meetings

# Upcoming TAC Meetings

- › **November 19th:** Tentative new incubation project
- › **December 3rd :** RosaNLG & tentative JanusGraph incubation project
- › **December 17th:** Tentative Pyro graduated project proposal and additional new incubation project
- › **December 31st :** No meeting - New Years Eve Holiday
- › **January 14th:** TBD

Please send agenda topic requests to [tac-general@lists.lfai.foundation](mailto:tac-general@lists.lfai.foundation)

# TAC Meeting Details

- › To subscribe to the TAC Group Calendar, visit the wiki: <https://wiki.lfai.foundation/x/XQB2>
- › Join from PC, Mac, Linux, iOS or Android: <https://zoom.us/j/430697670>
- › Or iPhone one-tap:
  - › US: +16465588656,,430697670# or +16699006833,,430697670#
- › Or Telephone:
  - › Dial(for higher quality, dial a number based on your current location):
  - › US: +1 646 558 8656 or +1 669 900 6833 or +1 855 880 1246 (Toll Free) or +1 877 369 0926 (Toll Free)
- › Meeting ID: 430 697 670
- › International numbers available: <https://zoom.us/u/achYtcw7uN>

# Open Discussion

# Mission

To build and support an open community and a growing ecosystem of open source AI, data and analytics projects, by accelerating innovation, enabling collaboration and the creation of new opportunities for all the members of the community

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