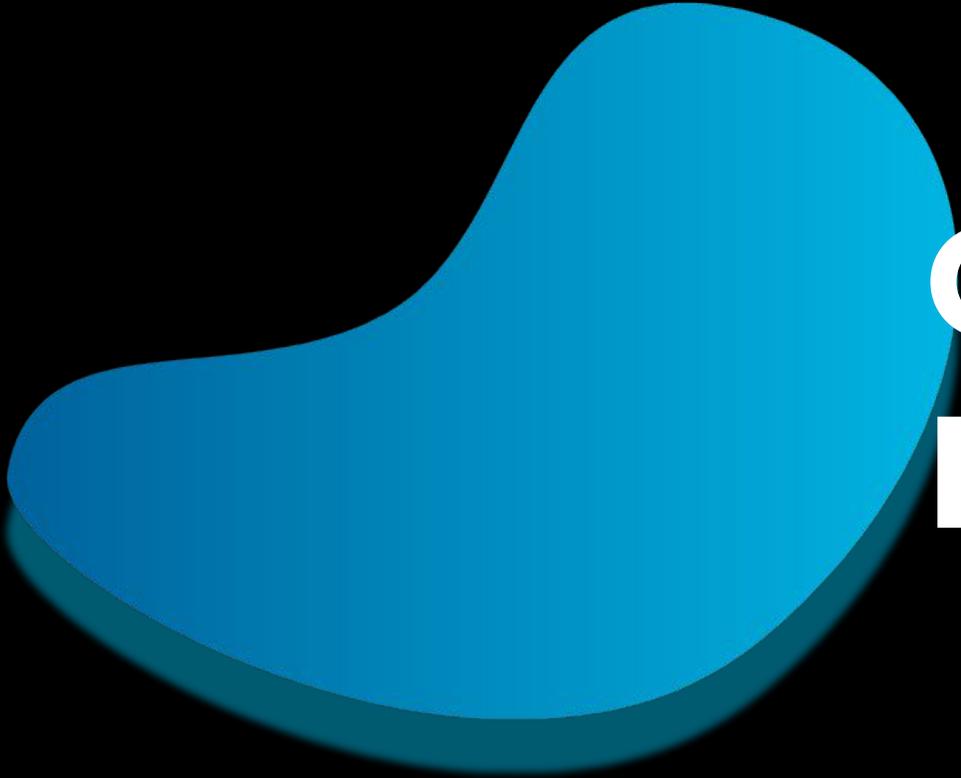




IEEE SA OPEN

Silona Bonewald
IEEE SA OPEN Executive Director



**OUR
PURPOSE**

WHY IEEE SA OPEN EXISTS



NOT FOR EVERYONE



More rules to:

- keep you safe
- keep the focus on humanitarian solutions

GOVERNANCE



- Safe
- Trusted
- Production Ready
- Measurement

WORKING TOGETHER

The IEEE SA OPEN platform encourages the community to collaborate and create resources for platform, group, and project needs.



VIRTUOUS CIRCLE- 100% Open Source

The IEEE SA OPEN platform and product offerings help to assist in implementing the core mission of working together for the greater good of Humanity. Needs can be developed and maintained on the platform while also being contributed back to the IEEE SA OPEN Community.



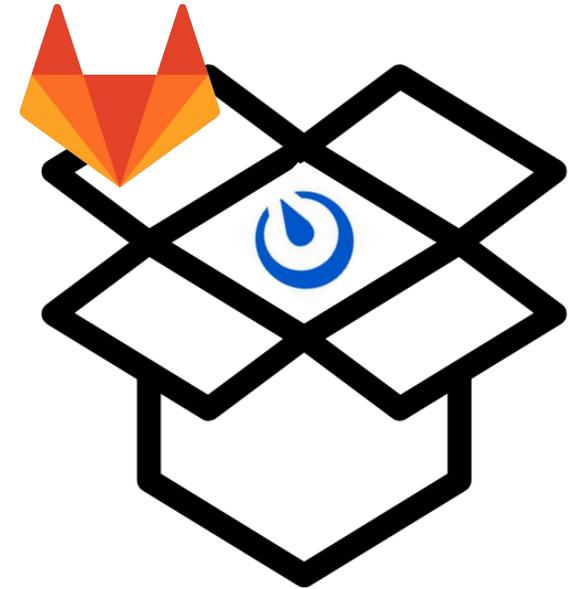


PLATFORM

IEEE SA OPEN - PLATFORM

“Community in a Box”

- GitLab- Platform and community
- Mattermost- Chat communications
- BigBlueButton- Video conferencing



PLATFORM EVALUATION PROCESS

Develop	Gitlab
Collaborate	MatterMost, BigBlueButton*, NextCloud*
Planning	Redmine*
Monitoring	Prometheus*, Grafana, GrimoireLab*
Configuration Management	Ansible, Terraform*
Security	IEEE proprietary solution - Community version TBD
Testing	IEEE proprietary solution - Community version TBD
CI/CD Orchestration	GitLab



THE MOST FEATURE RICH PLATFORM AVAILABLE

Version Control, Store, Share, Collaborate, Test code

Monitoring and Metrics

Customer Support

Maintenance

Security and Compliance

Disaster Recovery

CI/CD

Microsites

Proof of Concepts

Features - Current



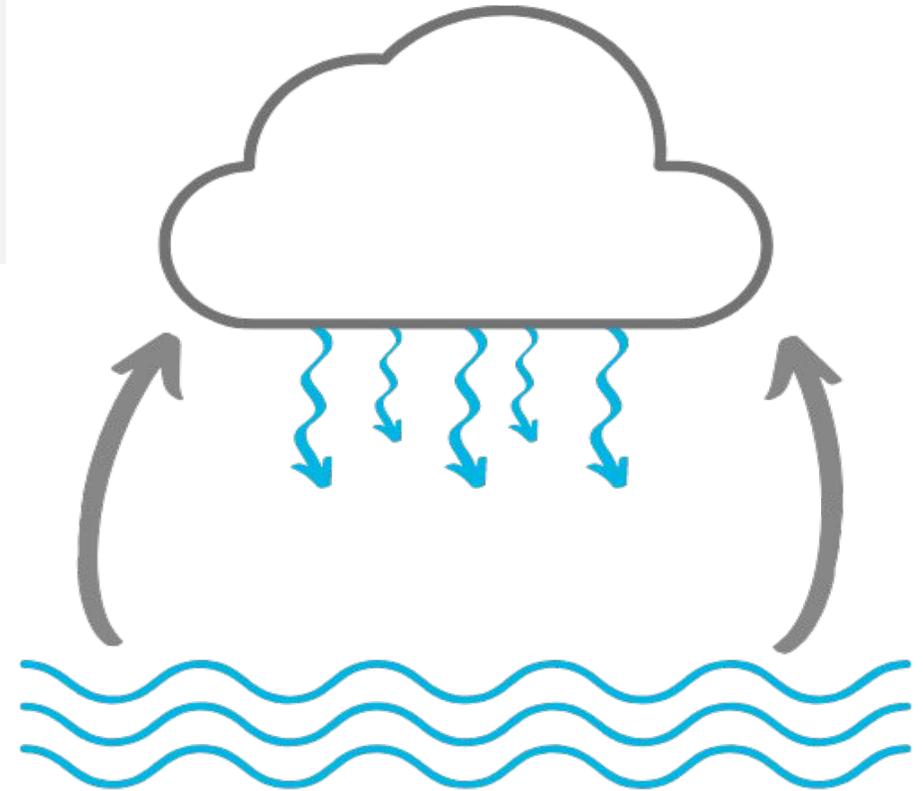
- One-to-one and group messaging, file sharing, and unlimited search history
- Threaded messaging, emoji, and custom emoji
- Tools for custom branding
- Continuous archiving
- Multi-factor authentication
- Extensive integration support via webhooks, APIs, drivers, and third-party extensions
- Easily scalable to dozens of users per team
- New features and improvements released every month



- Video Conferencing
- Built-in polling
- Video recording
- Video Storage
- Live white board for presenters and groups
- Chat with accessible shared notes
- Breakout rooms for conferencing
- Emojis
- Live polling and results
- Screen sharing
- *Unlimited number of participants

PLATFORM FEATURES

Any new features created for the platform are shared with all instances of the platform.



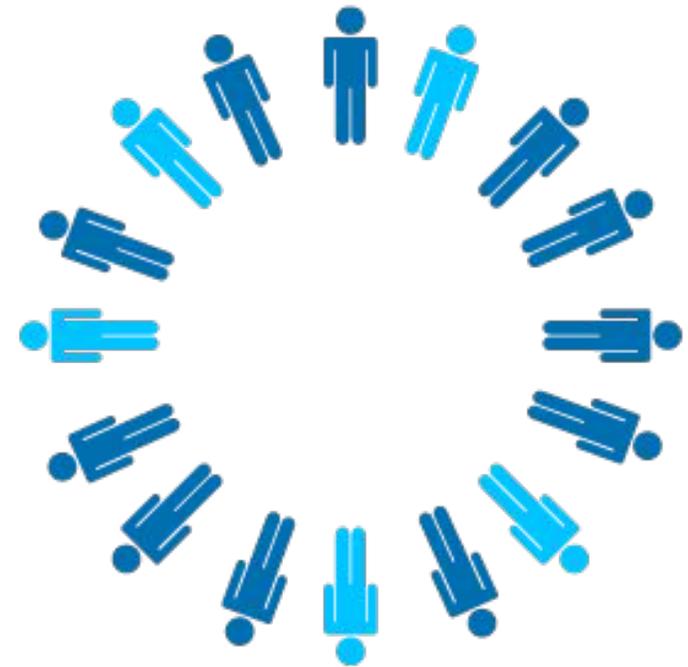


IEEE SA OPEN
COMMUNITY

IEEE SA OPEN - COMMUNITY

Here to Stay!

- Supporting IEEE's Standards Community
 - 16 standards to date
- The Greater IEEE Community and Societies
 - A place for Societies to organize Codeathons
- Humanitarian focus
 - A landing spot for IEEE's OS Humanitarian projects
 - All OS Humanitarian projects are welcome
- Evolving to Support and integrate with IEEE's needs for
 - Open Research
 - Open Hardware
 - Open Data



EMPOWERING

Open Source means:



- Collaboration



- Flexibility



- Transparency



- Peer Review



- Affordability

OPEN STANDARDS

- Address privacy and security
- Understands existing ecosystems
- Data driven
- Designed for sustainability and scalability
- Collaborative
- Adheres to fundamental principles of standards

Best Practices

**Next
Exit**



Community Generated Support and Best Practices Documentation

- SMEs from around the world supporting a Review Process
- Best Practices in Community Governance
- Best of OSS Practices
- Best of Standards Practices

Standardization Path

1 DOCUMENTATION

2 TEMPLATIZATION

3 AUTOMATION

4 MEASUREMENT

5 EVALUATION

6 STANDARDIZATION

ROLE DIVERSITY

Key to a Robust Community

- Measurement with Credit
- Gateway to Inclusion
- Key to Creating Products that People Want
- Sustainability and Longevity



COMMUNITY ADVISORY GROUP

The Community Advisory Group (CAG) defines and promotes best practices for participation in open source projects, especially within the IEEE SA OPEN framework. We consult with members of communities, leaders in the broader open source world, and existing documentation, while actively involving people who are diverse in race, nationality, gender, and ability.



What:

- Culture and Processes of the Community as a Whole
- General processes like holding meetings
- Facilitation and mentorship practices and Coaching

Who:

Management, Leaders, Facilitators, Teachers, Evangelists, Designers

Provides:

Leadership, Positive Culture, Inclusion, Diversity

MARKETING ADVISORY GROUP

What:

- Best Practices and Reviews
- Information Sharing and Collaboration

Who:

Marketing, Evangelists, Social Media, Event Speakers, Designers, and Artists

Provides:

Visibility, Better Products, Centralizes Discussion, Engagement

The Marketing Advisory Group (MAG) defines and promotes best practices for marketing in open source projects. The Marketing Advisory Group allows all participants to share and contribute in the larger Open Source community, increasing role diversity and providing opportunities and processes to quantify contributions that are often overlooked.



TECHNICAL ADVISORY GROUP

The Technical Advisory Group (TAG) creates collateral, processes, and recommendations for the IEEE SA OPEN Platform and incoming groups.



What:

- Architectural and Code Reviews
- Feature Design
- Prioritization and Logistics

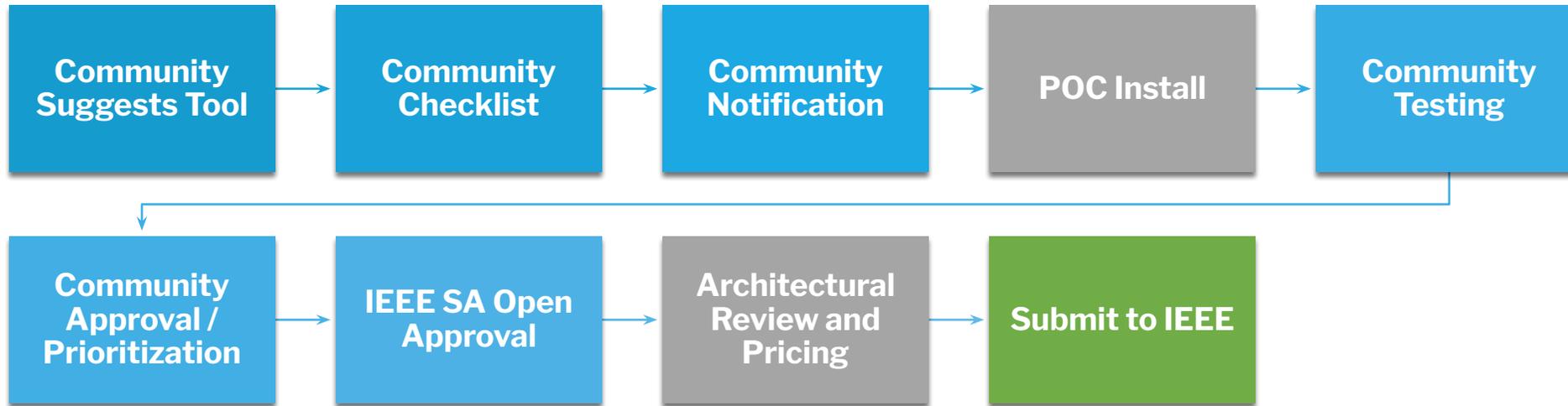
Who:

Product Managers, Designers, Architects, and Coders

Provides:

production ready products, a better platform

TOOL EVALUATION PROCESS



COMMUNITY CONTRIBUTIONS

■ Technical Advisory Group -

- Feature and Tool evaluations subgroup- [Feature/ Tool Evaluation](#)

■ Marketing Advisory Group - Branding guidelines/material for community use

- [Open Source Intelligence](#) “OSINT” subgroup- working on relevant OSINT Data, Reviews, Methodologies, Resources, and Best Practices.

■ Community Advisory Group

- [Education subgroup](#)- Creating resources for K-12 schools, colleges, universities, and training centers for use on the IEEE SA OPEN platform.



TRUSTED

Legal:

- Antitrust
- IPR
- Export Control
- Open Source Licenses

Healthy community practices including code of conduct

Open Source development practices for production ready software

As we automate these policies and processes, you inherit the same tools.



WHAT CAN YOU DO?

- **Join** the Community and Help Create Processes
- **Use** the platform to to begin coding
 - Adding Features
 - Templates and Automation
- **Share** your feedback
 - Develop a standard on the platform
 - Create a community and open Project
- **Donate or sponsor**
 - Workshops
 - Videos
 - Features

GETTING STARTED



SAOPEN.IEEE.ORG

IEEE.org | IEEE Explore Digital Library | IEEE Standards | IEEE Spectrum | More sites 

IEEE SA OPEN COMMUNITY GETTING STARTED PROJECTS PRODUCTS EVENTS OUR TEAM

IEEE SA OPEN GETTING STARTED

1. [CREATING YOUR IEEE SA OPEN SINGLE SIGN ON](#) | 2. [HOW TO A SIGN CONTRIBUTOR LICENSE AGREEMENT](#)
| 3. [NOTIFICATIONS IN GITLAB](#) | 4. [CREATING A GROUP](#) | 5. [CREATING A PROJECT](#) | 6. [CREATING AN ISSUE](#)
| 7. [GITLAB PROJECT MANAGEMENT BASICS](#) | 8. [USING LABELS](#) | 9. [MORE ON GITLAB](#) | 10. [MATTERMOST BASICS](#)
| 11. [MORE ON MATTERMOST](#)

Thank you!

[Http://saopen.ieee.org](http://saopen.ieee.org) - Website

<http://opensource.ieee.org> - Platform

<https://opensource-connect.ieee.org> - Chat

S.bonewald@ieee.org - Email