ERLANG ECOSYSTEM FOUNDATION

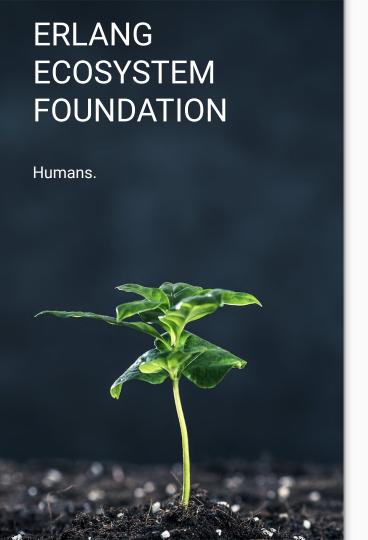Let's Grow Together.
http://erlef.org
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ERLANG ECOSYSTEM FOUNDATION

ElixirConf 2019!

WHAT WE'LL COVER TODAY:

- Who We Are
- What We've Been Up To or Working Group updates.
- Board elections

About Us

ERLANG ECOSYSTEM FOUNDATION

Humans.

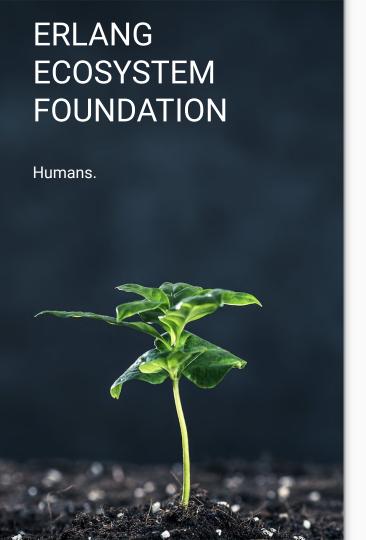## Who We Are

A non-profit composed of individuals from the Erlang and Elixir community volunteering our time to grow the ecosystem.
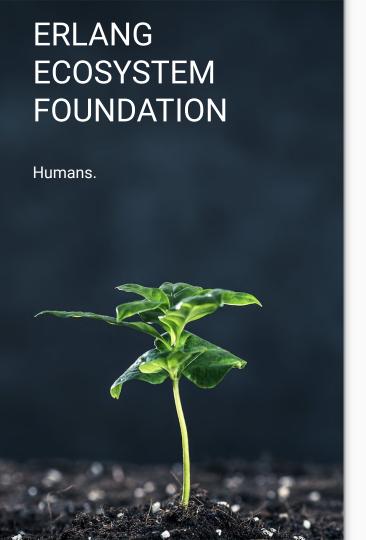
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Our Goal

The Erlang Ecosystem Foundation's goal is to grow and support a **diverse** community around the Erlang and Elixir ecosystem, encouraging the continued development of technologies and open source projects based on/around its runtime and languages.

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Humans.

We're here for everyone.

- Elixir
- Erlang
- LFE
- Luerl
- Clojerl
- Efene
- ...etc

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Foundation in numbers

- **26** Sponsors
- **85** Annual Supporting
- **7** Lifetime Supporting
- **360** Basic Members
- **12** Working Groups

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The Board

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Francesco Cesarini

Richard Carlsson

Alistair Woodman

Miriam Pena

Fred Hebert

José Valim

Peer Stitzinger

Sebastion Strollo

Maxim Fedorov

Benoit Chesneau

Kenneth Lundin

Working Group updates

Building and Packaging
By Todd Resudek

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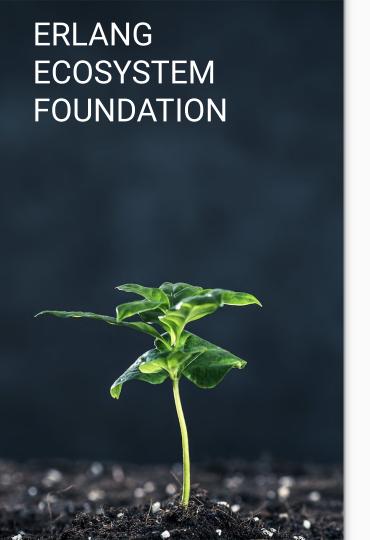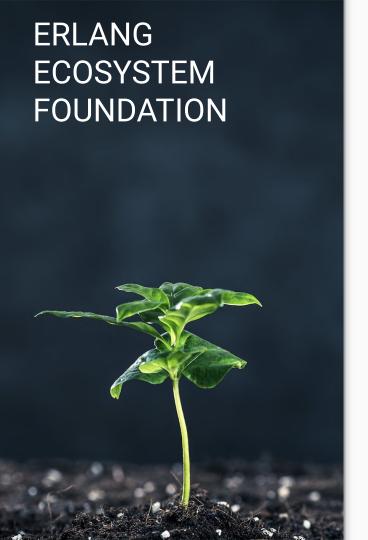FOUNDATION

Building Building Builds

- **Aligning Docker images**
- **Hex work**
    - **Two-Factor Auth**
    - **Minirepo**
    - **Rebar3 caught up (hex_core)**
- **Releases & compiler work**
- **Sync with OTP team for issues and work**
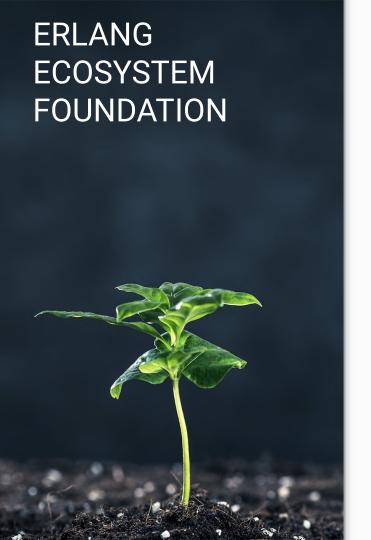
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"Evolve the tools in the ecosystem related to observability, such as metrics, distributed tracing and logging, with a strong focus on interoperability between BEAM languages."

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- **Elixir Logger**
  - **Integrating with Erlang's logger**
  - **Structured logging in Elixir 1.11**

- **Integration of Telemetry library**
  - **Working out patterns & best practices**
  - **Implementation across the ecosystem**

- **Distributed tracing (OpenTelemetry)**
  - **Keeping up with the specs**
  - **Telemetry integration support**
  - **Beta release targeted for March**

- **Lots of leg work!**

Documentation
By Maxim Fedorov
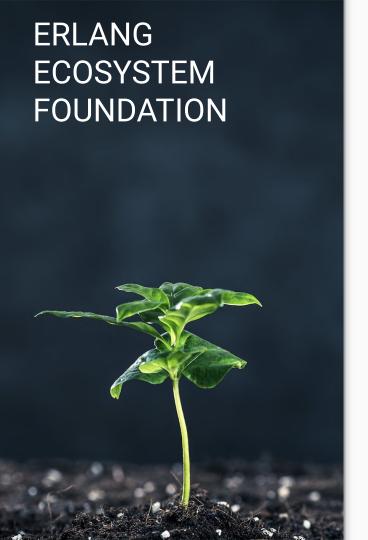
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Improve the accessibility, interoperability and quality of the documentation across projects and languages in the Erlang Ecosystem.

Current work on EEP 48: Documentation storage and format

Allow documentation to be accessed and shared across different languages in the Erlang Ecosystem.

Shipped in OTP 23 RC 1

Language Interoperability
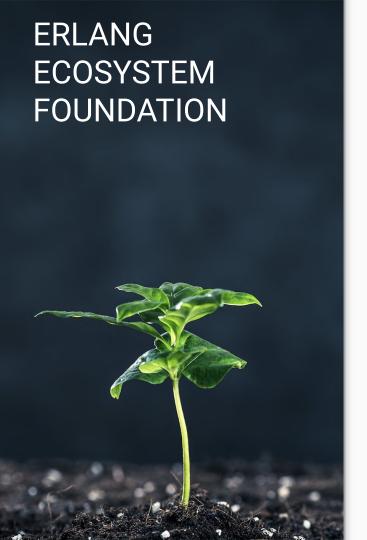By Alistair Woodman

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A Community among Communities

- Code reuse across languages
- Reduce friction and boilerplate
- Reduce duplication and incompatibilities
- Uniform experience
- Help newer languages "stand on the shoulders of giants"

Status: Joined ErlEF in January, Starting work on our first EEP

Education
By Peer Stritzinger

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What have we done already?

- **What have we done already?**
  - **Stipend program**
  - **Testing diversity trainings with Code beam.**
- **Working on:**
  - **Meetup trainings.**
  - **Guest lectures program.**
  - **Publish training material in spanish.**

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Embedded Systems WG Mission

"Standardize, improve, and promote the APIs, tooling, and infrastructure for building embedded systems and IoT devices using Erlang VMs"

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Embedded Systems Working Group

Representing

- **AtomVM**
- **GRiSP**
- **Nerves**
- **NervesJP**
- **Yocto**

Infrastructure
By Maxim Fedorov

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Infrastructure WG

- **Website**
  - open-source - on GitHub
  - now in Elixir!
- **Wild Apricot** membership
- **FastMail** email service
- **Zoom** conference
- **Slack**, **GitHub**, **1Password** and more tools

Security
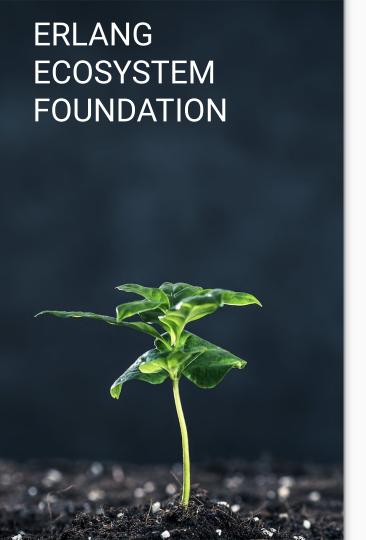By Bram Verburg

Security WG

- **Bootstrapped the WG**
- **Supply chain project:**
  - **MiniRepo and Mix fixes**
  - **SBoM tooling: Mix and Rebar3**
  - **"Package URL" spec for Hex**
  - **Long term project candidates**
- **Secure Coding and Deployment Hardening Guidelines:**
  - **Now a public draft!**

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https://erlef.github.io/security-wg/
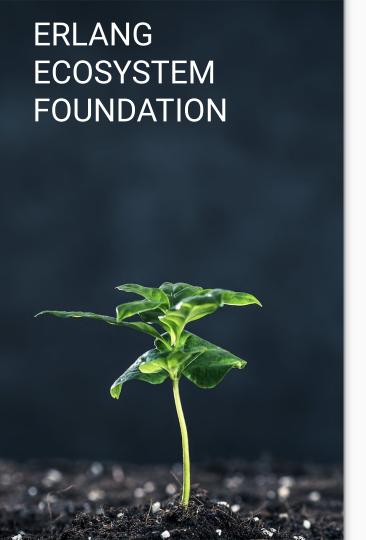
Marketing
By Johnny Winn

Marketing WG

- **New Site Coming!**
  - **Members can post events**
  - **Members can post Academic Papers**
  - **More to come**
- **Sharing Other Working Group Activities**
- **Engaging with the Community**
  - **What members are looking for**
  - **How can we share information**
  - **Supporting local communities**

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Fellowship WG Mission

"Formally nominate community members for a fellowship role according to the Erlang Ecosystem Foundation bylaws. Creating and maintaining the criteria and procedure for nomination of fellows."

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Fellows

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Fellows

FELLOWSHIP

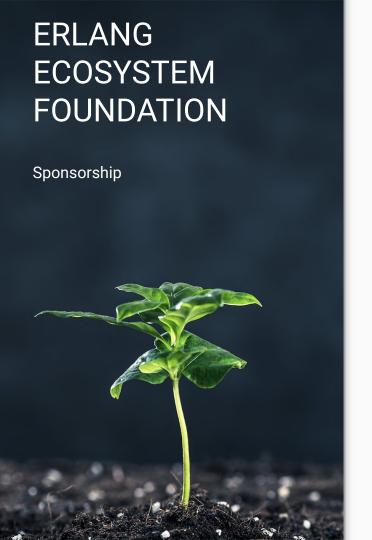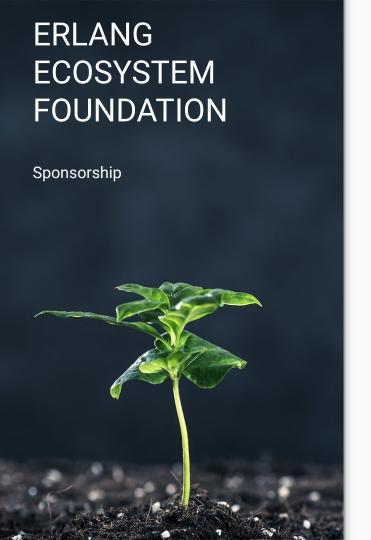- **Anyone can put forward a candidate**
- **Nominations close April 30th**
- **The voting will close May 21st**
- **New Fellows will be announced soon after**

SPONSORSHIP
By Francesco Cesarini

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Sponsorship

SPONSORSHIP

- Scout for and encourage companies to join
- Ensure sponsors adhere to the Foundation Values
- Validate the sponsorship tiers
- Handle onboarding of sponsorship

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Sponsorship

"For the last eighteen years, Erlang has provided an incredible competitive advantage to our company. Therefore, as altruistic as this sponsorship may appear to be, it is rather a consequence of realisation just how important Erlang and its community is to our own well being. We are very happy to be in position to share a bit of our good fortune with the rest. Hope this will be the first of many to come."

- Valentin Micic, Pharos Avantgard
Johannesburg, South Africa

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AdRoll GROUP

æternity
CRYPTO FOUNDATION
LIECHTENSTEIN

ArcBlock

binary noggin

CISCO

coders51

CREVALLE
WORLD WIDE WEB SERVICES
LOS ANGELES, CALIFORNIA

enki multimedia

ERICSSON

Erlang SOLUTIONS

Genetec

happihacking

ideas
Advanced
Video Pipelines

ispirata
Technology for the Software of Tomorrow

Klarna.

OTOLO Networks

DIPL. PHYS.
PEER STRITZINGER

plataformatec
tecnologia e engenharia de software

Fractal Consulting LLC
the closer you look, the more you see

simplabs

WhatsApp

dnsimple
Simple & Secure
Domain Management

DOCKYARD
Custom Software and Web Apps

PEPSICO ecomm

pharos
AVANTGARD

Simpli.fi

Update from The Board

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Roadmap.

What's next?!

(this year)

- Distribute grants to the community
- Improving Working Group communications
- Voting for the board
- Voting for the fellows

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Roadmap.

Elections

(this year)

- March 12, last day to submit your candidacy
- March 13, Votes are open
- March 20, Votes are closed

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Roadmap.

Elections

- A paying member <u>paying their yearly membership or having paid for a lifetime membership</u>
- A contributing member, who has spent about 5 hours monthly working in a working group, and who has contacted us at voting@erlef.org to claim their voting rights
- A managing member, who leads a working group and who has contacted us at voting@erlef.org to claim their voting rights
- A board member, who has a de-facto membership.

GET INVOLVED!

LET'S GROW TOGETHER!

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How can you get involved?

- Find a Working Group and contact them!
- Propose a new Working Group
- Request a Stipend
- Become a member
- Ask your company to be a sponsor

https://erlef.org

CONCLUSION