



The distributed operating system
that connects consumer
devices big and small

FOSDEM 2022. Lightning talk
2022-02-06
Agustín Benito Bethencourt - @toscalix



► The speaker: Agustín Benito Bethencourt (toscalix)

- Oniro Program Manager at Eclipse Foundation
- +17 years experience in Open Source as entrepreneur, executive, manager or consultant.
- Focused on operating systems and platforms in a variety of companies, foundations and trade associations.
- Remote work advocate, located in Málaga, ES
- More about toscalix at <http://www.toscalix.com>

Assets

- Website: <https://oniroproject.org/>
- [Code](#) and configurations.
- Default license: Apache-2.0 Others approved too.
- Technical [documentation](#)
- Oniro [video channel](#)

Communication channels

- Oniro Working Group mailing list: oniro-wg@eclipse.org - [Subscribe](#) - [Archive](#)
- Oniro Projects mailing list: oniro-dev@eclipse.org - [Subscribe](#) - [Archive](#)
- Chat channel: [#oniroproject](#) at libera.chat
- Twitter: [@oniro_project](#)

DELIVERING A **UNIQUE USER EXPERIENCE** ACROSS DIFFERENT CONSUMER DEVICES AND SCENARIOS

In a **fully-connected world vision**, consumer device fragmentation is impacting on our daily life...



Think about **how many devices** you use on a regular basis that accompany your day and **how many actions** you have to do to achieve a **good user experience** from each of them.



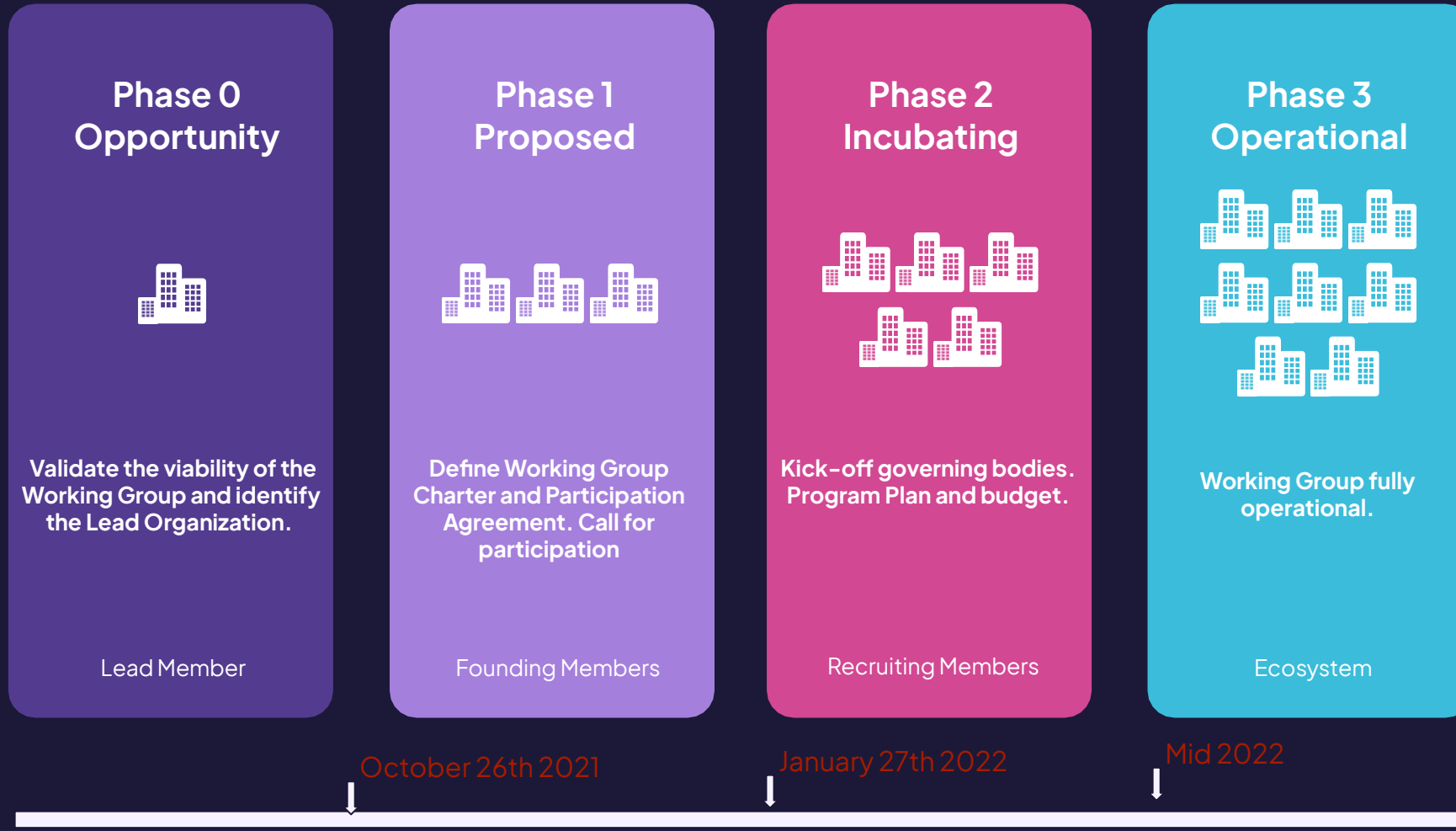
Oniro **envisions** an evolution in the operating system front that will foster more modular platforms, covering a significantly wider range and number of connected devices, while granting developers a simpler and more curated development experience, enabling them to provide consumers a significantly better user experience.

► Oniro value proposition



The **Oniro Working Group** creates an ecosystem of organizations to support the community in the production and evolution of the Oniro technologies as well as to drive its commercial success across different industries. Such an ecosystem arises in a neutral-vendor environment where collaboration is promoted under the core Eclipse Foundation principles, like transparency and openness.

► Oniro Working Group Lifecycle



► Existing ecosystem



Eclipse Oniro Core Platform **is** an Open Source project aimed at reducing fragmentation in the consumer and IoT device industry which is **interoperable with OpenAtom Foundation's OpenHarmony project**. The project aims at fulfilling the vision of "any app running anywhere", where "any app" is achieved via building Oniro as an OpenHarmony compatible implementation, ensuring interoperability, and "anywhere" is achieved by leveraging the Linux Foundation's Yocto Project tools and rich ecosystem as well as a well known upstream technologies.

► Eclipse Foundation Launches Oniro: key milestones



Eclipse Foundation

- Eclipse Foundation and OpenAtom Foundation collaboration
 - Framework agreement around Open Harmony: [press release](#) on 28-Sept.-2021
- IoT & Edge WG and Oniro collaboration: WIP
- Eclipse Foundation and OpenAtom Foundation collaboration agreement: WIP.
- Work on specifications start at Oniro Working Group and projects.

Oniro Working Group

- Oniro WG launch the Call for Participation on 26-Oct-2021
 - [Press release](#)
 - Oniro WG [Charter](#)
 - Oniro announcement: [keynote at EclipseCon 2021](#).
 - Founding Members join Oniro WG ([Participation Agreement](#)).
- Incubation Phase
 - Oniro WG Steering Committee kick-off on 27-01-2022
 - Then Marketing Committee kick-off
 - Oniro WG Program Plan and Budget creation and approval.

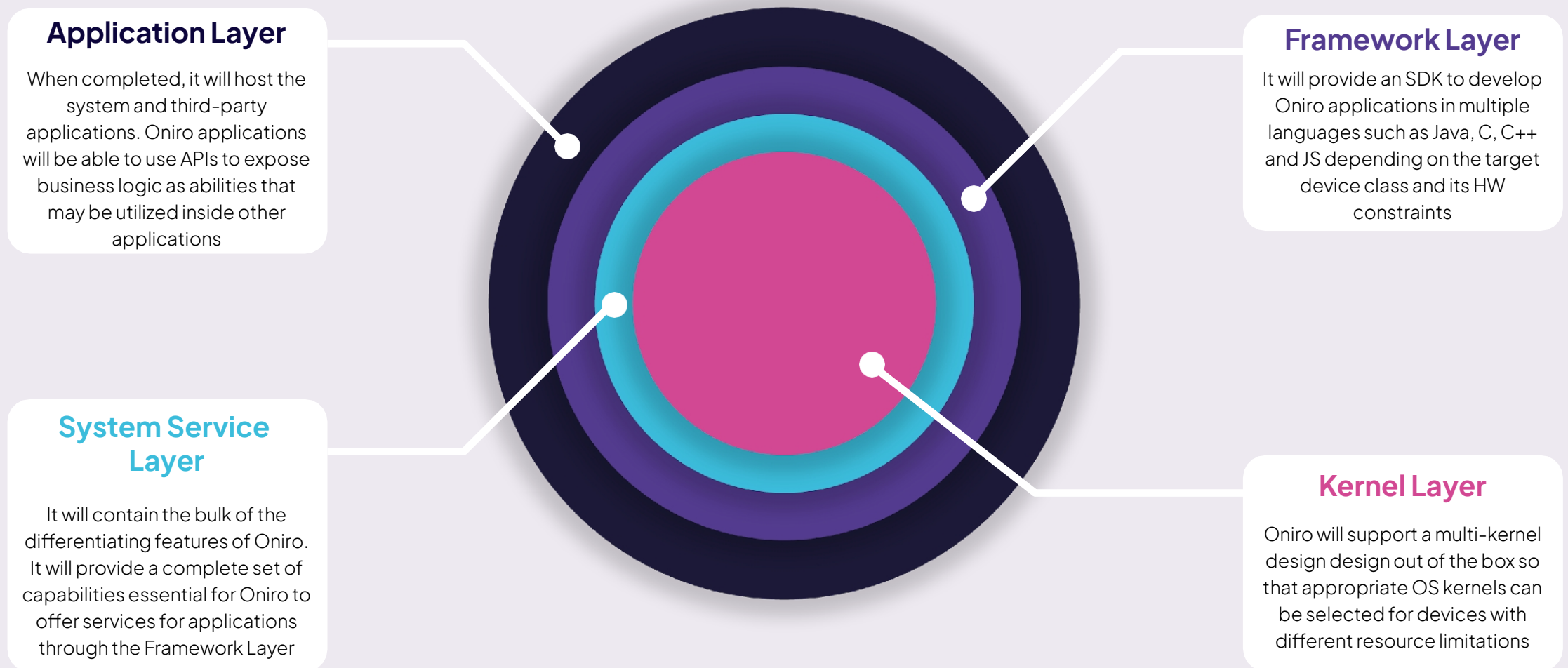
Oniro Projects

- Oniro TLP launch for community review on 26-Oct-2021
 - [Press release](#)
 - Oniro TLP [Charter](#)
- Oniro track at EclipseCon 2021
 - Check the Oniro [video channel](#).
- Oniro projects approved. Now at provisioning stage:
 - IP/license evaluation
 - Code migration to be hosted by Eclipse Foundation.
- Engineers working at Eclipse Foundation infrastructure.
- Oniro 1.0 release

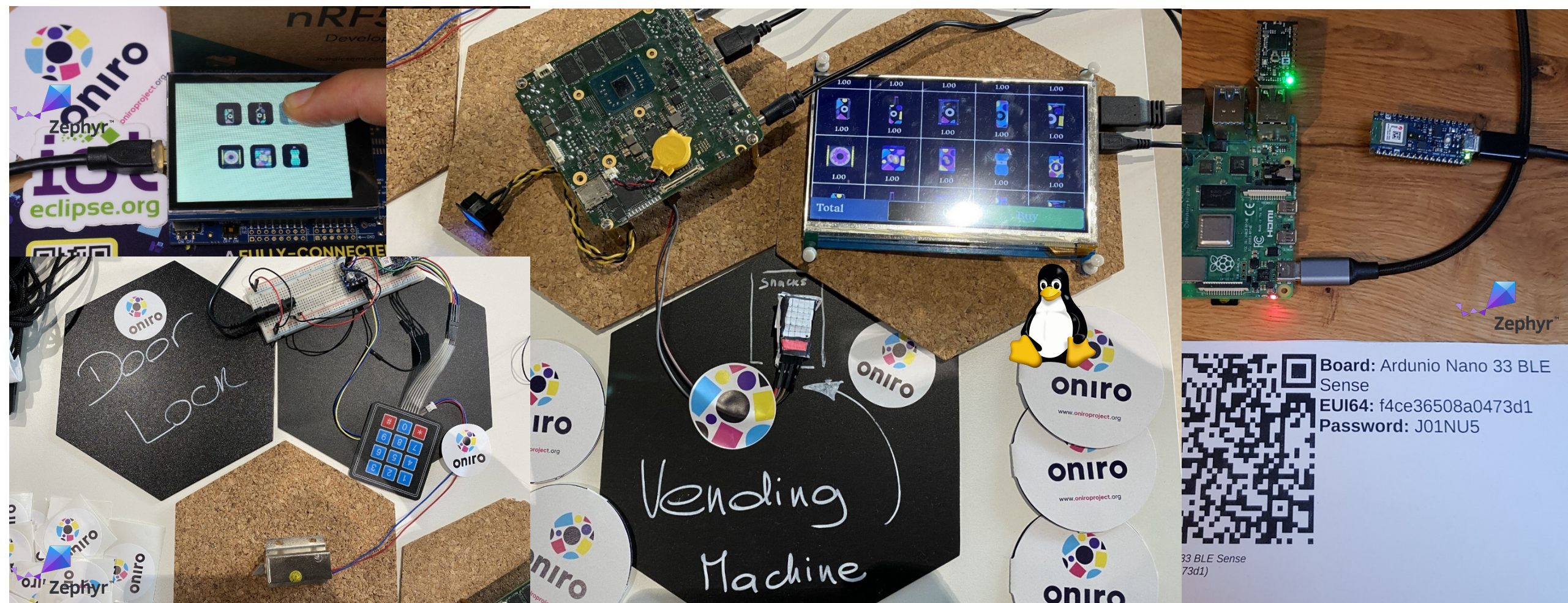
<https://www.oniroproject.org>

- Solid technical team
 - Over [10 technical talks approved](#) at FOSDEM 2022.
 - Upstream core contributors to a variety of projects.
- Well structured roadmap
 - Open and transparent requirement gathering and prioritization process
 - First Oniro Platform release expected in 2022
 - Maintenance cycle associated to each release.
 - Blueprints as a way to interact with Oniro consumer or integrator organizations
- Specifications and Compatibility Program: towards a global market
 - Leverage the Eclipse Foundation experience. Eclipse Foundation [Specification License](#) v1.0
 - Includes a Test Compatibility Kit (TCK) for self testing.
 - Aligned and shared with OpenHarmony (OpenAtom Foundation)

► Oniro architecture: layers









A **unique opportunity** to frame the
Operating System for the XXI century!
Ready **for the machine economy!**