



Zenoh: Data-Centric Communication for the Cloud-to-Things Continuum

Tutorial session
@ 9th ACM ICN 2022

Agenda

1. Opening
2. Zenoh: The Genesis
3. Zenoh: A Crash Course in Building Cloud-to-Microcontroller Applications
4. Zenoh and Zenoh-Flow Hands-on
5. Zenoh High Performance Networking with Rust
6. Q&A



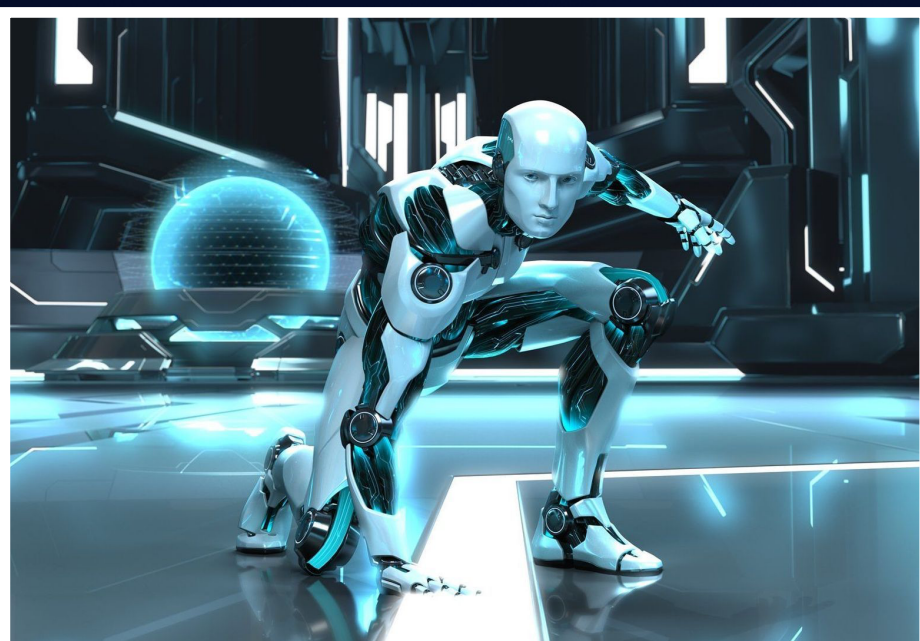
Zenoh

Unifies data in **motion**, data at **rest** and **computations** from **embedded microcontrollers** up to **data centres**

Provides a **location-transparent API** for high performance **pub/sub** and **distributed queries** across **heterogeneous** systems

Facilitates **geo-distributed storage** and **integration with third party technology** in a plug-and-play fashion

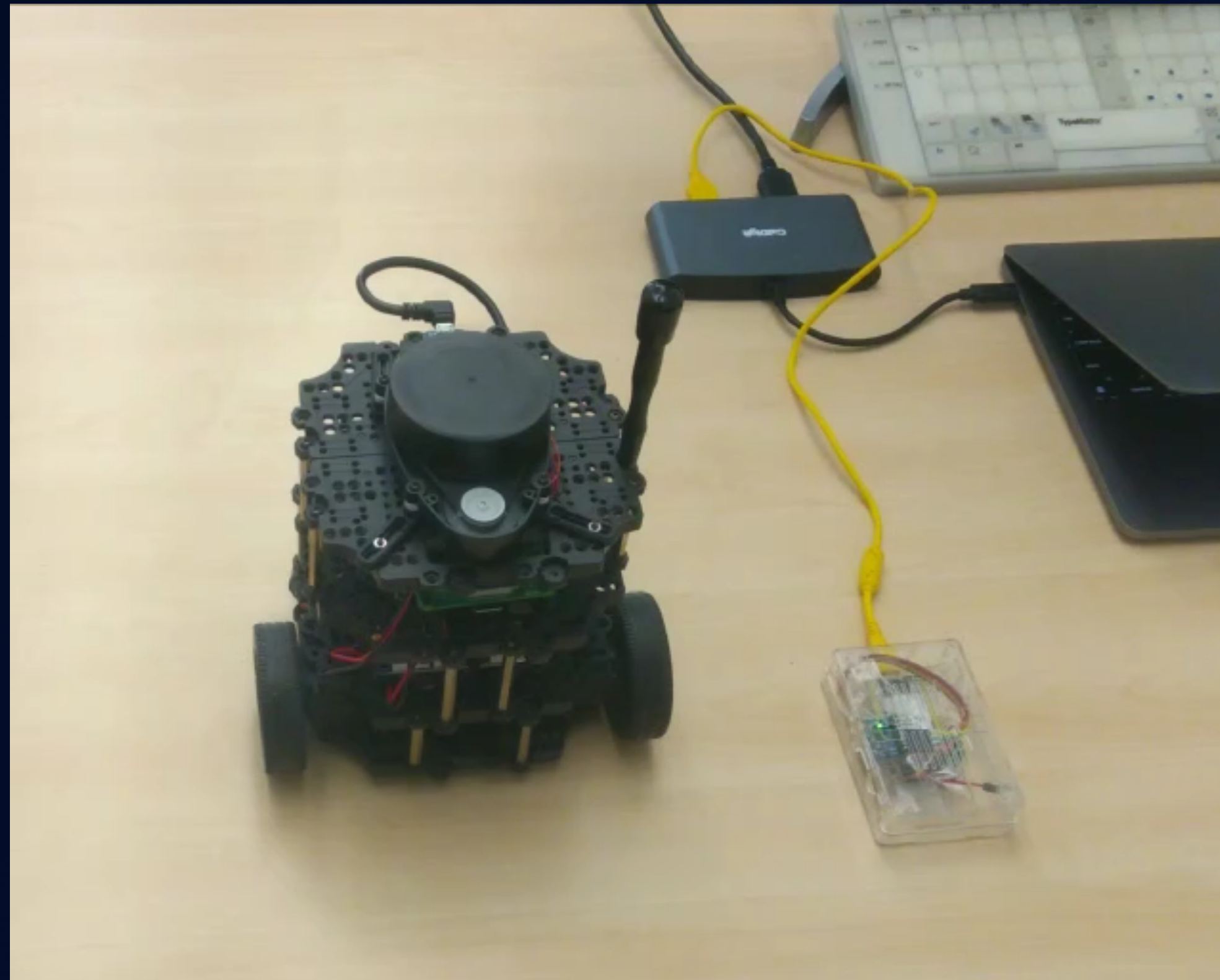
Application Domains in Real Life



Indie Autonomous Challenge



Robotic Systems with ROS/ROS2



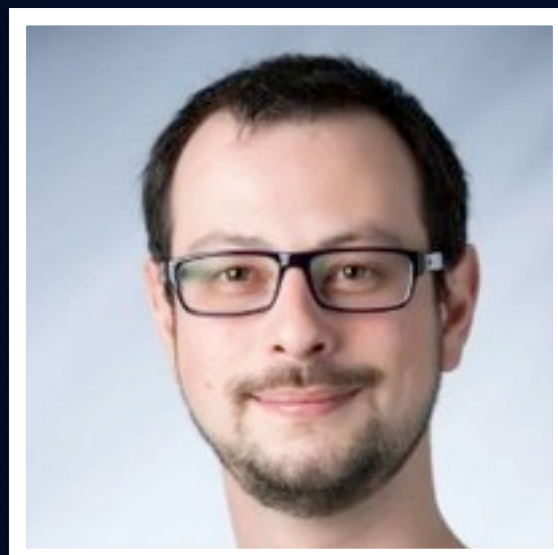
Online Gaming



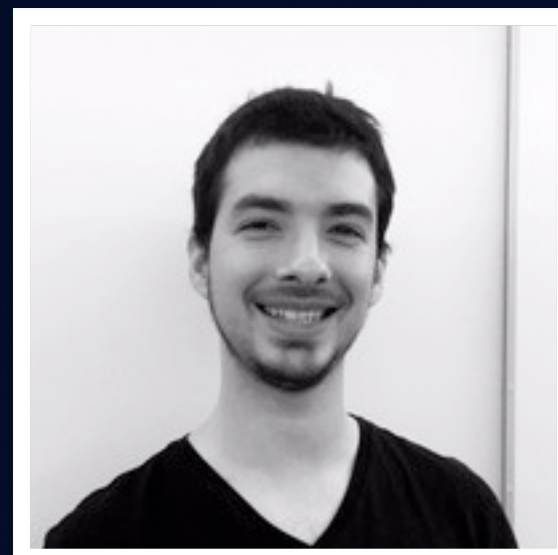
The Core Team



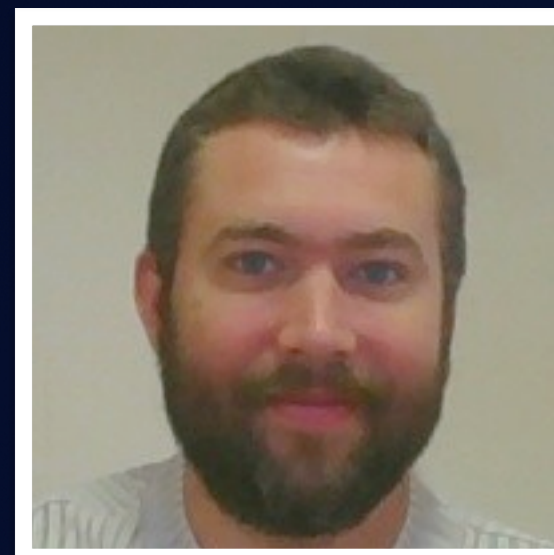
Angelo Corsaro



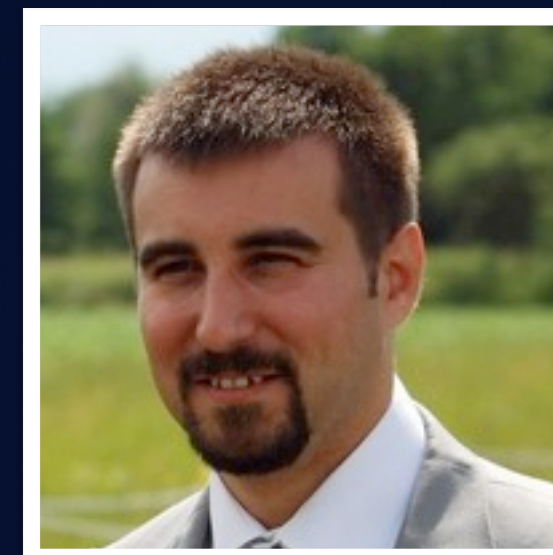
Luca Cominardi



Julien Loudet



Olivier Hecart



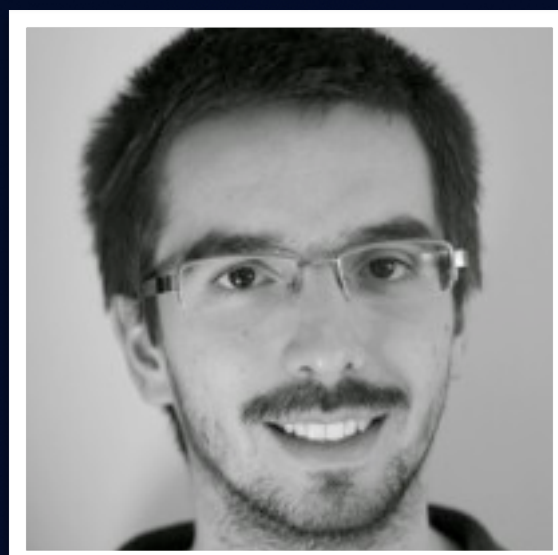
Julien Enoch



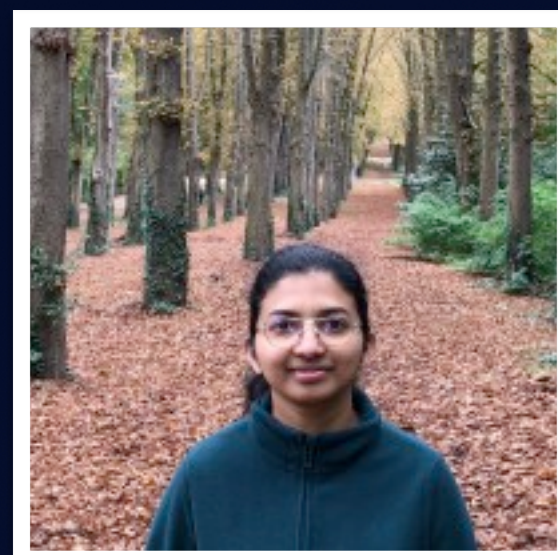
William Liang



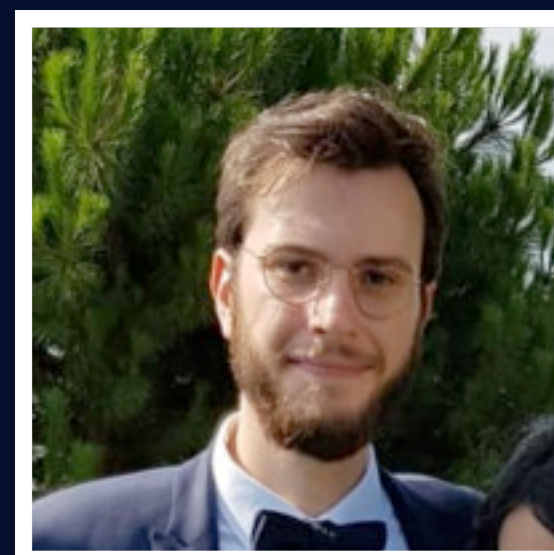
Gabriele Baldoni



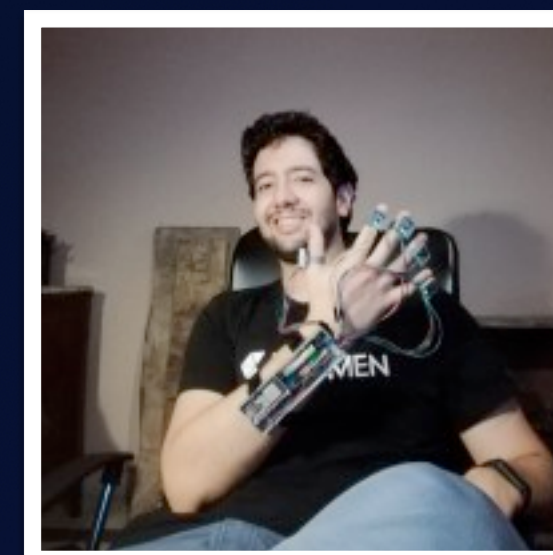
Carlos Guimaraes



Sreeja Nair



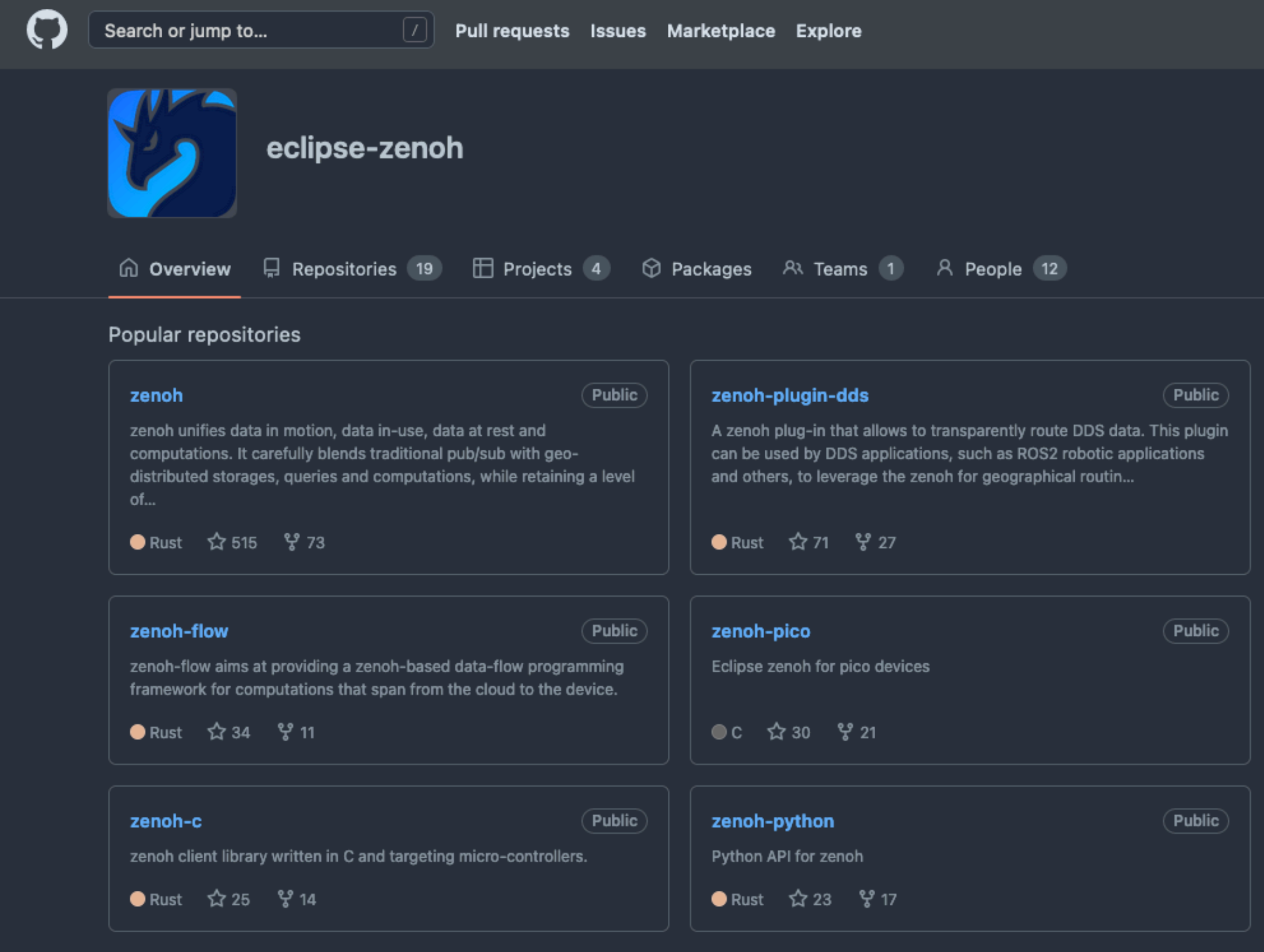
Pierre Avital



Darius Maitia



Zenoh Community



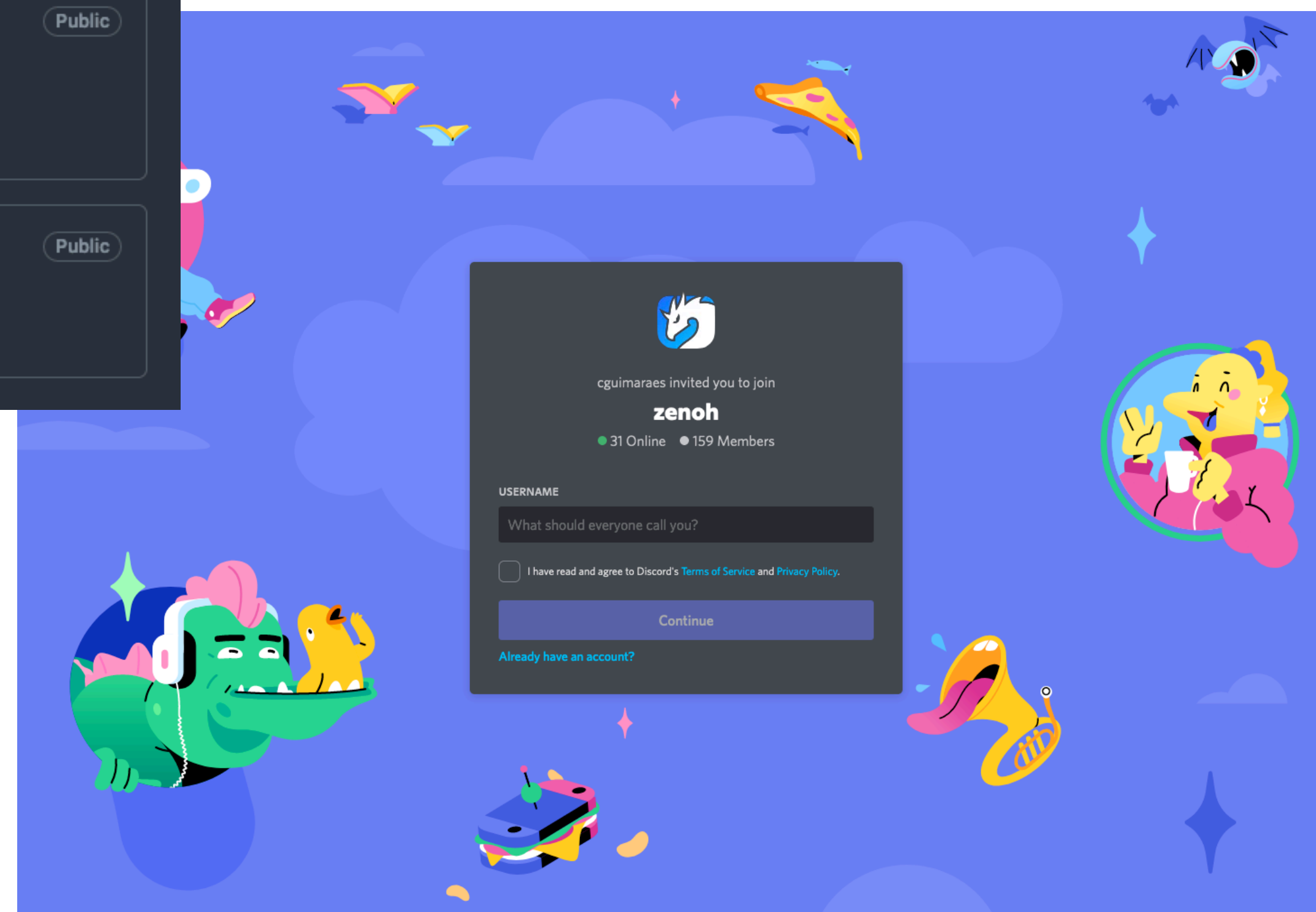
Eclipse Zenoh is fully open-source

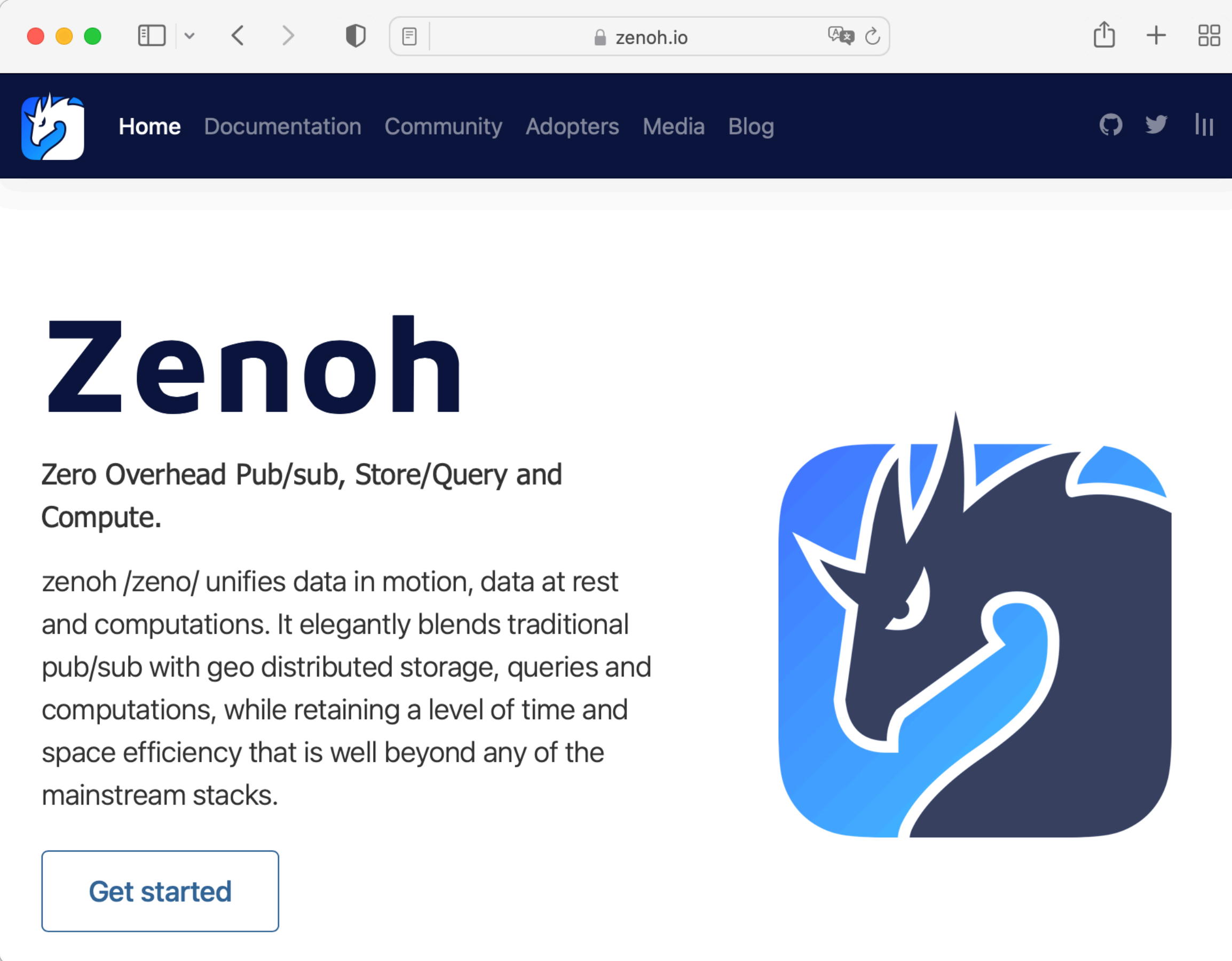
<https://github.com/eclipse-zenoh>



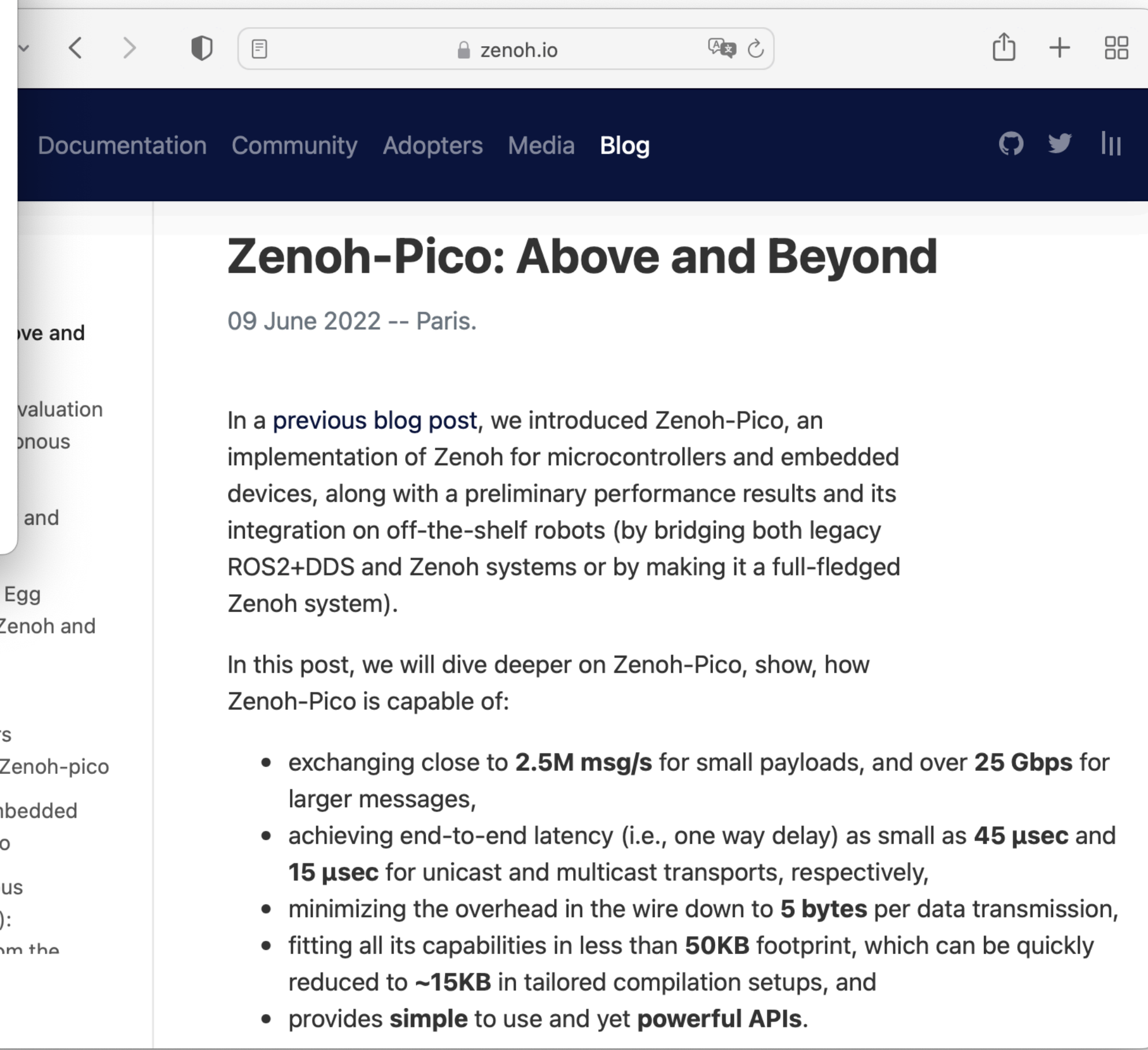
...with an open community in Discord

<https://discord.gg/vSDSpqnbkm>





...and the blog



Don't forget to visit
Zenoh's website...

<https://zenoh.io/>