

# Why Robotics needs Open Source Communities

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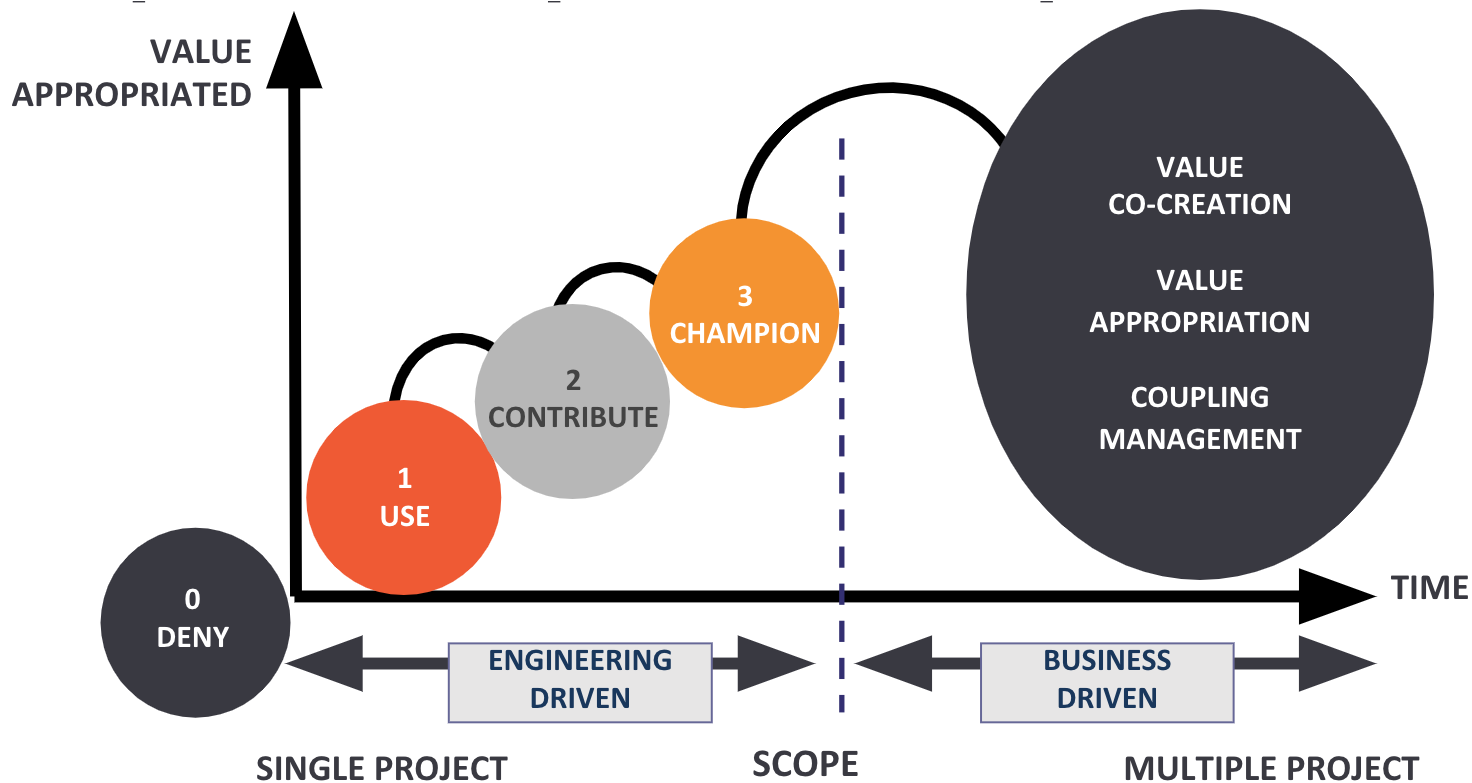
# Why would you need Open Source Communities?

## Story #1: Bosch

A photograph of two men shaking hands on a stage. The man on the left is older, with white hair and glasses, wearing a light-colored button-down shirt. The man on the right is younger, with brown hair and glasses, wearing a grey suit jacket over a white shirt. They are both smiling. The background is dark with blue vertical structural elements. A laptop is visible in the foreground, showing logos for Eclipse Foundation, IoT, and Bosch.

# 2015: Bosch becomes Eclipse Strategic Member

# Adoption of Open Source practices



*“No company can realize the IoT on its own... Within the Eclipse **Community**, through the contribution of many IoT developers, tools and standards are created on an **open platform** that **many companies can benefit from** for their IoT applications.”*

Stefan Ferber, CEO, Bosch Software Innovations



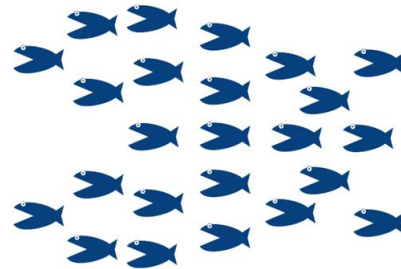


# Playing the Platform Game ... and Win

Big fish eat small fishes



... but small fishes  
can build swarms



# Lesson learned #1



## Why would you need Open Source Communities?

*Because an Open Source community is a way to **become competitive** against bigger fish*



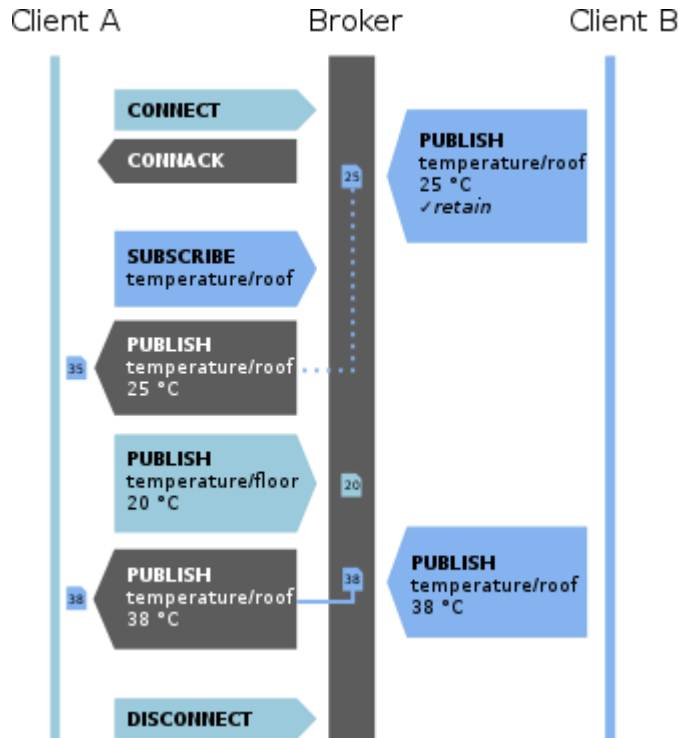


# Why would you need Open Source Communities?

## Story #2: MQTT

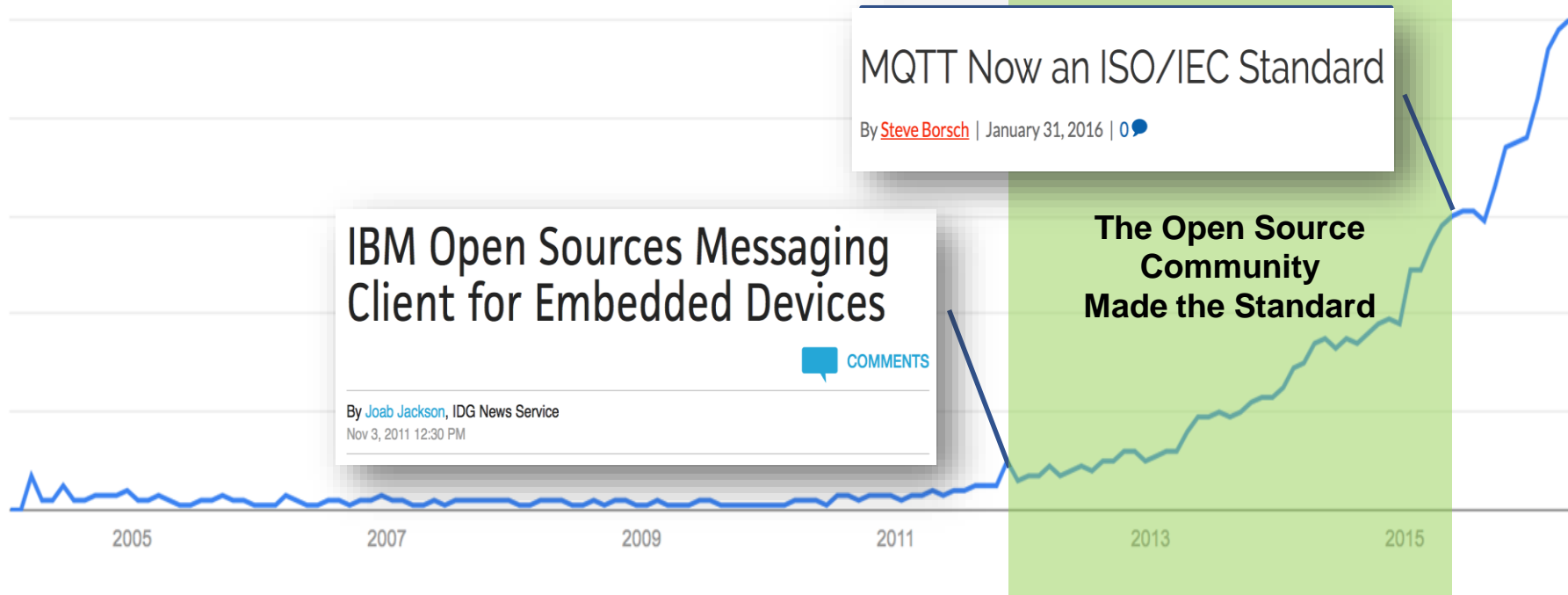


Invented  
by IBM and Arcom  
back in 1999



By Simon A. Eugster - Own work, CC BY-SA 4.0,  
<https://commons.wikimedia.org/w/index.php?curid=70622928>

# MQTT Google Trend



# Lesson learned #2



## Why would you need Open Source Communities?

*Because an Open Source community is a great vehicle to **gain visibility** and **recognition***



# Why would you need Open Source Communities?

## Governance & Best Practices





**Transparency**



**Openness**



**Meritocracy**

Who is **using** OSS  
in his products ?

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**80-90%**

According to Forrester & Gartner

<https://www.gartner.com/newsroom/id/801412>



# Who is a **Good** Open Source **Citizen?**

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# What is the trade-off?

## F.R.E.E.

# F like **Feed** your Community

- 
- A close-up photograph of three young birds, possibly blue jays, in a nest. The birds have dark feathers with yellow and white streaks on their wings and backs. They are all looking upwards with their bright yellow-orange mouths wide open, as if they are hungry and waiting to be fed. The nest is made of a mix of dry grass, twigs, and some green moss.
- **Create** Getting Started
  - **Complete** Documentation
  - **Use** Social Media



# R like Respect your Community



**“Every bug report is a love letter”**

Erich Gamma

# E like Embrace your Community

- Go to **conferences**,
- Organise **local events**,
- Interact with **User groups**
- Meet **other communities**




# E like Engage your Community

A photograph of three men in a professional setting, likely a conference or workshop. They are gathered around a laptop, looking at the screen with interest. The man on the left is wearing a grey sweater and glasses. The man in the middle is wearing a light blue button-down shirt and glasses, and has a name tag that reads 'Frédéric'. The man on the right is bald, wearing glasses and a grey sweater. They are all wearing blue lanyards with 'IBM' logos. The background shows a large room with other people and tables.

## Organise

- **Workshops**
- **Webinars**
- **Hackathons**
- **Challenges / Contests**



# Who can help?

## Open Source Foundations



# GitHub is how people build software

We're supporting a community where more than 40 million\* people learn, share, and work together to build software.

**October 2007**

First commit

**San Francisco**

Headquarters

**100 million\***

Repositories hosted

\* As of August 2019

We're working hard to build a supportive, welcoming place for users and GitHubbers alike.

[Learn more about our commitment to diversity and inclusion.](#)

## Careers

Come help us make collaboration even better. We've built a company we truly love working for, and we think you will too.

## Blog

## Press

Developers from all around the world are building amazing things together. Their story is our story.

## Leadership

# Publishing is NOT the Open Source Silver Bullet



# The Platform for Open Innovation and Collaboration

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The Eclipse Foundation provides our global community of individuals and organizations with a mature, scalable and commercially-friendly environment for open source software collaboration and innovation.

**360+**

Projects

**1500+**

Committers

**280+**

Corporate Members

**30**

Professional Staff

# The Platform for Open Innovation and Collaboration

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The Eclipse Foundation provides our global community of individuals and organizations with a mature, scalable and commercially-friendly environment for open source software collaboration and innovation.

**1.5M+**

Downloads / m

**2M+**

Unique Visitors / m

**5M+**

Active Users

**360K**

Newsletter subscribers

# Eclipse Foundation Strategic Focus Areas

## Cloud Native Java



## Eclipse IoT

IoT Cloud Platform

Edge Computing

Industrial IoT



## Eclipse in Motion

openMobility



openADx

openGENESIS

## Tools



## Eclipse Foundation



IP Management & Licensing



Governance & Process



Community Development



Infrastructure

<https://eclipse.org/workinggroups>



is launching an  
**Industrial Robotics Working Group**  
in collaboration with:



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**Kind Reminder!**

**Open Source**

**is a **Journey**,  
not a destination**

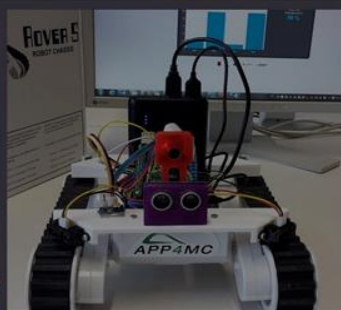
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# Community

# Thanks!



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