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# Open Source: The Essential Foundation for Collaboration

# Free & Open Source Software

## Freedom 0 -

to **run** the program, for any purpose

## Freedom 1

-to **study** how the program works, and change it to make it do what you wish

## Freedom 2 -

to **redistribute** copies

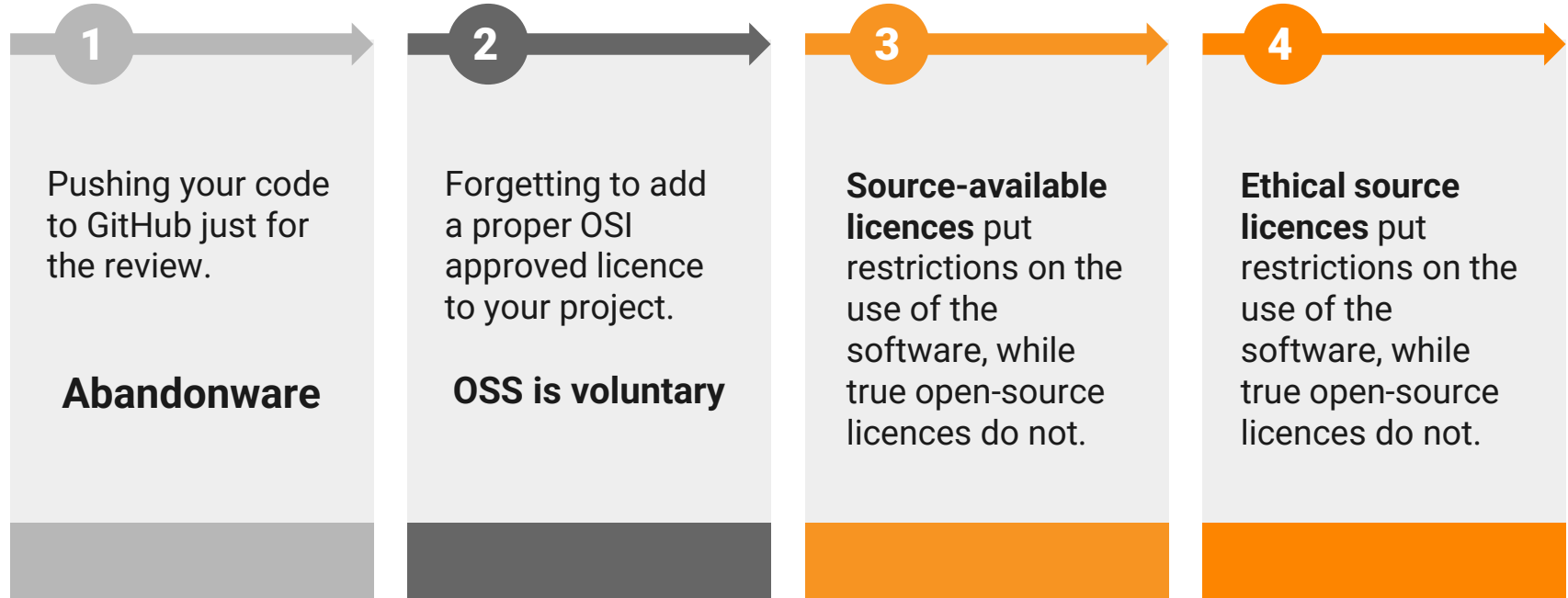
## Freedom 3 -

to distribute copies of your **modified** versions to others

# Open Source is a flavor of Intellectual Property management



# What is not open source!



# The **Open Source** journey

- 2001 definition of a healthy open source project:
  - It works and it solves a business or technical problem
- 2021 definition of a healthy open source project:
  - Working, secure, and carbon-neutral code, delivered on an environmentally friendly, sustainable, predictable, repeatable, and supply-chain secure basis with millions of users and thousands of GitHub stars, along with a plethora of adopters and a large, dynamic ecosystem all delivered by a diverse and welcoming community governed in an open and transparent manner with a commitment to equity and social justice.

# What we learned

- The amount of resources required to have a “healthy open source project” has increased dramatically
  - Many of the tasks necessary for health fall outside the interests of most developers
- The success of open source is forcing its industrialization and professionalization
- The ever-growing definitions of “open source software health” may be unsustainable
  - At a minimum, they are changing the dynamics of how open source is created
- The ability of the “hero programmer” or small teams to significantly impact the industry has been reduced
  - Not necessarily a bad thing... open source has always been a team sport





fair

# Why **Open Source** may not be enough

## Open Collaboration

### Contribution

- Transfer of IP rights
- Future influence

### Collaboration

- Rules for collaboration (Governance)
- Predictability
- Sustainability

## Open Source

### Adoption

- Open Source License
- Four Freedoms



# Enabling Global Collaboration on Open Source Innovation

As a European organization based in Brussels, the Eclipse Foundation AISBL aims to grow the Eclipse global ecosystem and advancing strategic open source projects with international impact.

# Fundamental Governance Principles





**geregelt**



# Open Source Best Practices



# Processes which add value



All projects at the Eclipse Foundation are developed under a process that conforms to the ISO 5230 standard, making them full OpenChain conformant.

The OpenChain ISO 5230 standard is officially known as the OpenChain 2.1 ISO/IEC 5230:2020 standard and is based on the [OpenChain Project](#). The goal of this project is to provide a clear and effective standard for organisations of all sizes, in all industries, and in all markets to benefit from a more efficient and effective open source supply chain.

## What Makes Us Conformant



Our well-defined **Intellectual Property Policy**;



Our well-defined intellectual property **due diligence process**;



Extensive documentation and comprehensive training materials for all participants in the intellectual property due diligence process;

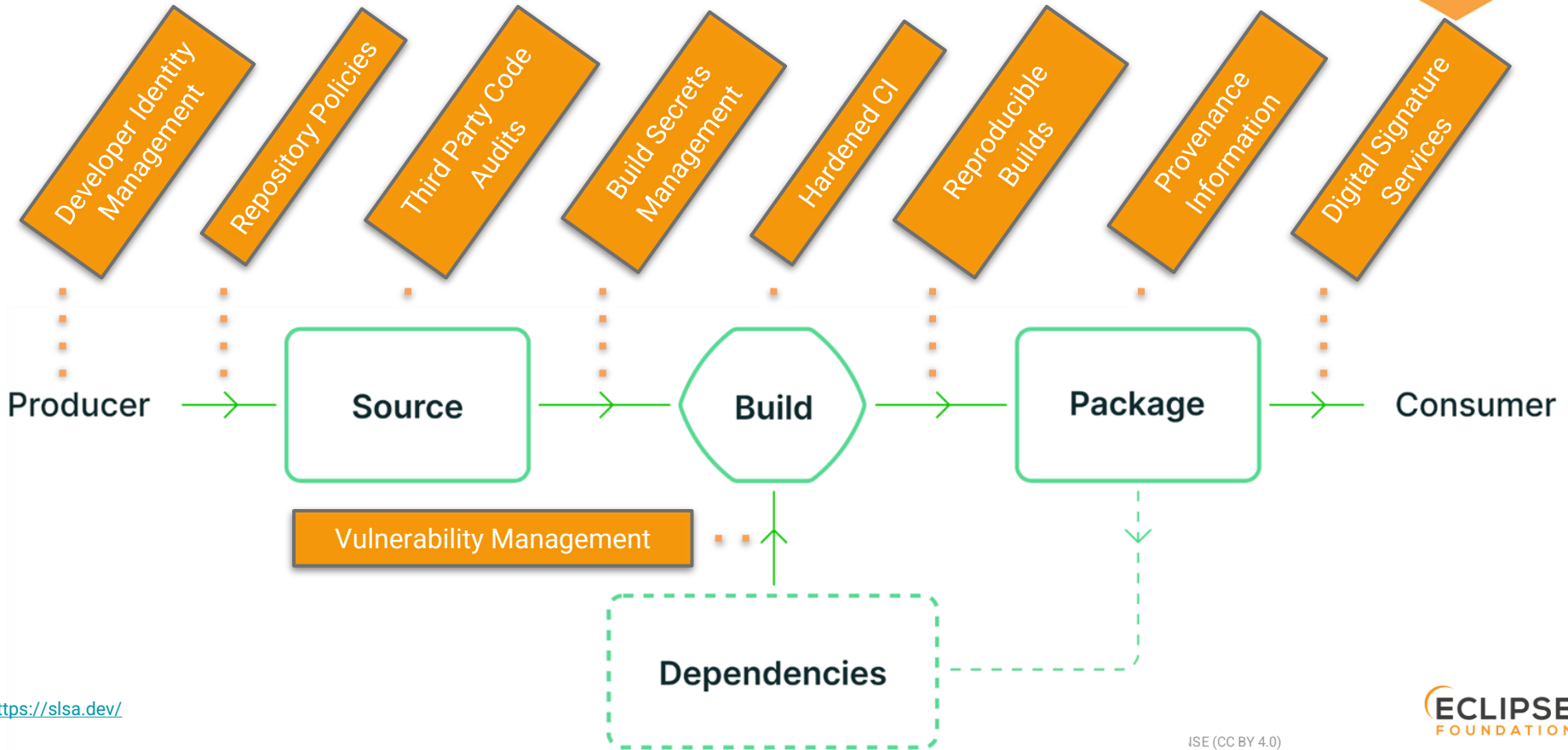


Our full-time professional intellectual property team managing the process;



Governance processes that ensure conformance documentation is in place.

# Professional Supply Chain Security




# ORC WG: CRA and the OSS supply chain security






## Cyber Resilience Act

### Manufacturers - Article 13 (5)

 **Due diligence:** components sourced from third parties shall not compromise the cybersecurity of the products

### Stewards - Article 24 - 25

-  Document cybersecurity policy
-  Vulnerability Management
-  Security attestations

## Open Source Specification: Standardization

Unify practices of the OSS ecosystem

- Security best practices
- OSS Supply Chain Security
- Vulnerability Management

Address the whole software lifecycle; including post EOL vulnerabilities



## Why at the Eclipse Foundation?

- Proven specification process
- Enables collaboration between industry, SME, research, and open source foundations
- EU leadership

**MISSION:** “Bring together key stakeholders in forging specifications that will enable industry to continue to leverage open source and meet the new regulatory requirements.”



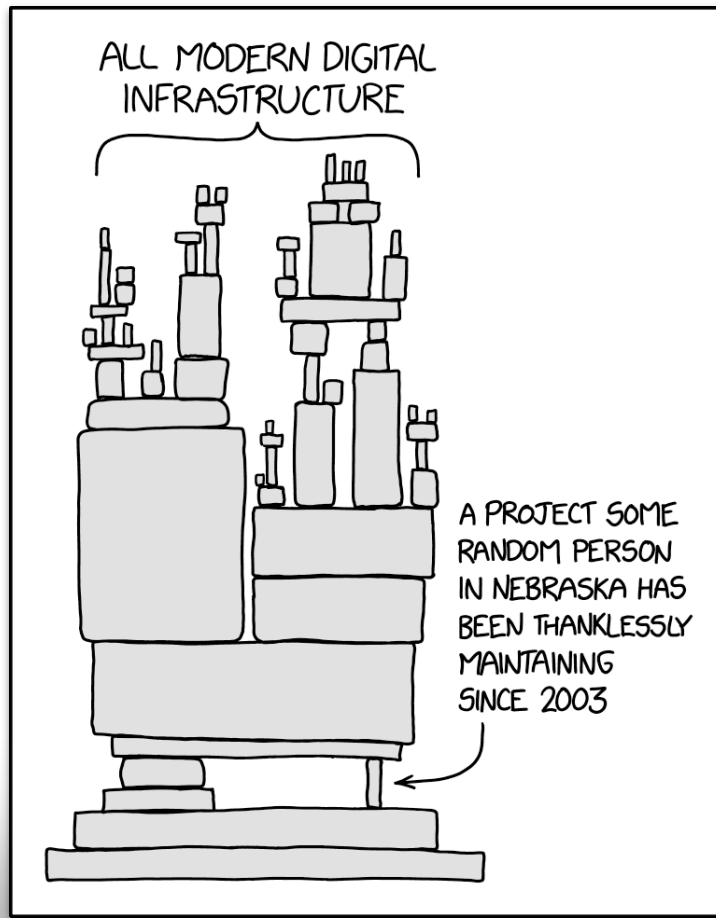
# Current ORC WG members represent Foundations and industry players



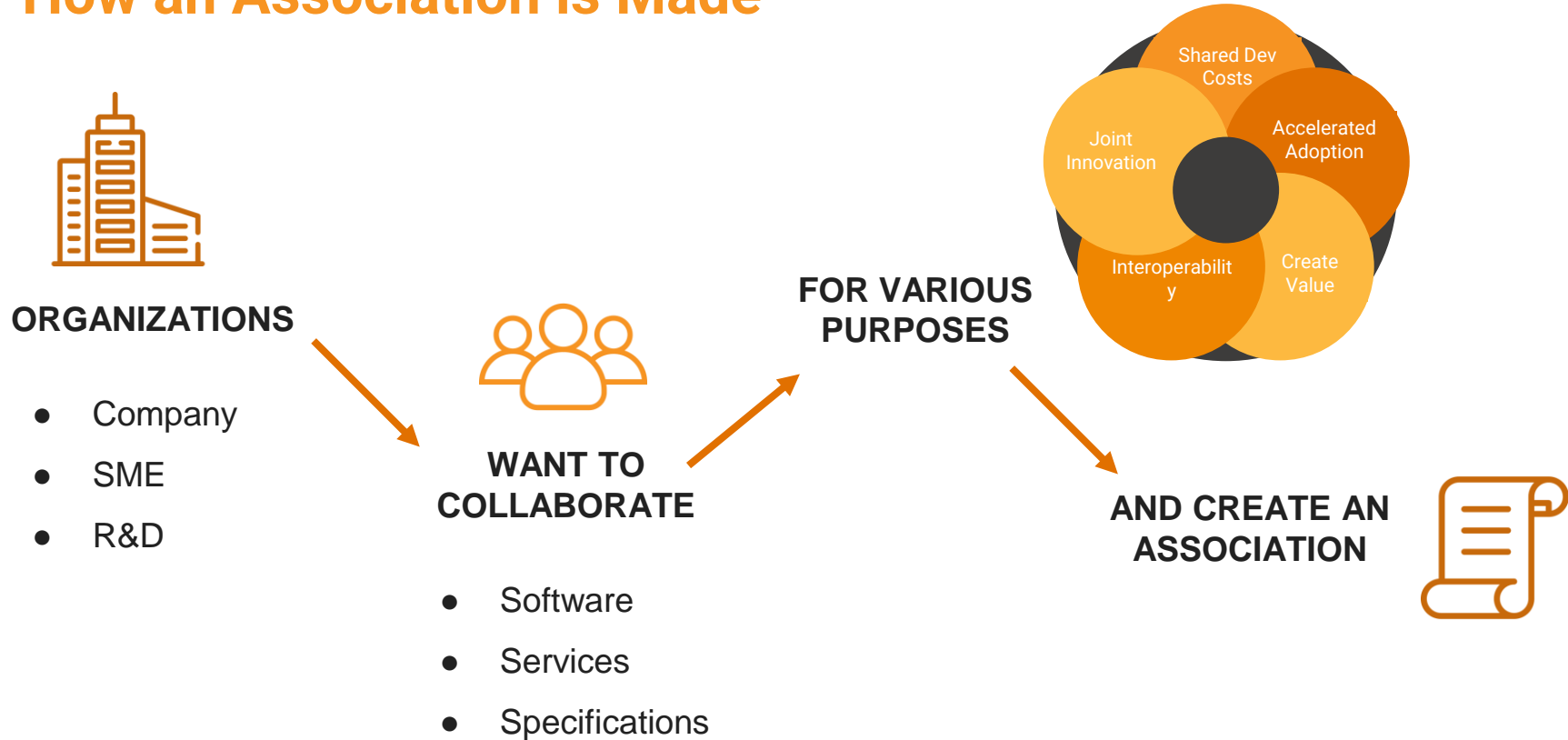
**intelligent**



# Dependencies



# How an Association is Made



# Purposes of an Association



## GOVERNANCE

- Antitrust
- Bylaws
- IP Management
- AoA
- Processes



## OPERATIONS

- Specifications
- Development
- Community
- Infrastructure

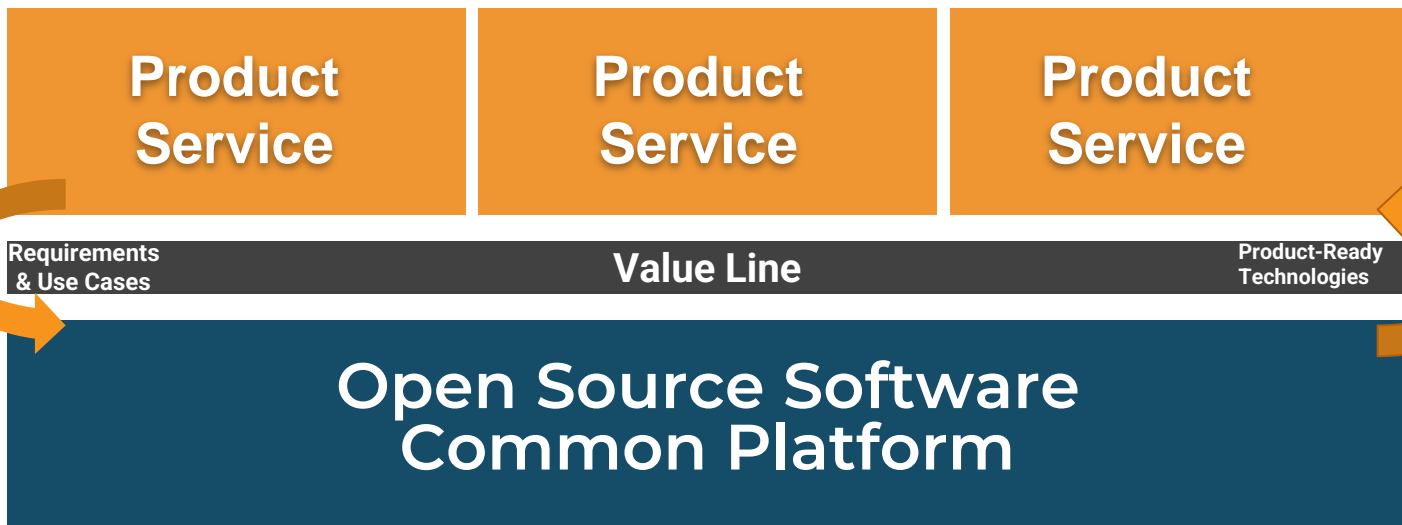


## Hidden Motivation

- Main Control
- License
- Gatekeep



# Open Collaboration: a business-friendly ecosystem



Compete on products & services

Working with your competitors based on **meritocracy**

**Open, Transparent, Vendor-neutral, Collaboration platform**



**The Eclipse  
Foundation enables  
sustainable, vendor-  
neutral,  
open collaboration**