



National **Open Source** Innovation Summit



# Open Source in EU Projects vs Pure Open Source: Bridging Structure and Community

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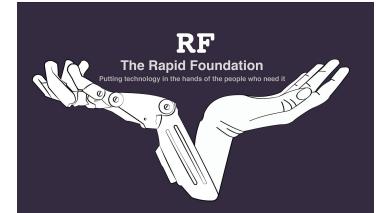
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# Bridging two worlds

## Community-Driven Open Source

- Open hardware & open research mobilisation (**Rapid Foundation & OSV**)
- Translating grassroots innovation into real-world use
- Building bridges between researchers, practitioners, and users



## EU-Funded Open Research & Exploitation (with ICP)

- Horizon Europe commercialisation & exploitation lead
- From research outputs → products, startups, and adoption
- Business models for open research, industry engagement, IP strategy, and impact pathways





# Two Worlds of Open Source

## My Two dominant models

### EU-funded open source

- Structured, time-bound projects
- Defined deliverables & governance
- Policy-aligned, mission-driven

### Community-driven open source

- Organic, long-lived ecosystems
- Meritocratic participation
- Adoption-led evolution

Innovation happens when (or if) these meet.





# Three Critical Differences That Matter for Impact

**Why structure alone isn't enough**

	<b>EU Projects</b>	<b>Communities</b>
Time Horizon	3-4 years	Decades +
Ownership	Consortium Responsibility	Collective Stewardship
Success Metrics	Deliverables	Adoption

**These gaps explains why many outputs stall.**

# Example in Practice: TeamOSV — Crisis-Driven Community Open Source

**COVID-19, 2020 — community-driven open source at scale**

- 3,000+ volunteers · 144 countries
- 21 ventilator concepts + PPE + documentation
- Fully open designs from day one

## What worked

- Governance, translation, ownership emerged alongside creation
- Direct hospital deployment
- Rapid iteration with clinicians

## What didn't

- Early chaos, Volunteer dependency, Sustainability unresolved & Guidance Misdirection

**Key insight: Translation happened during development- not after (Not good)**

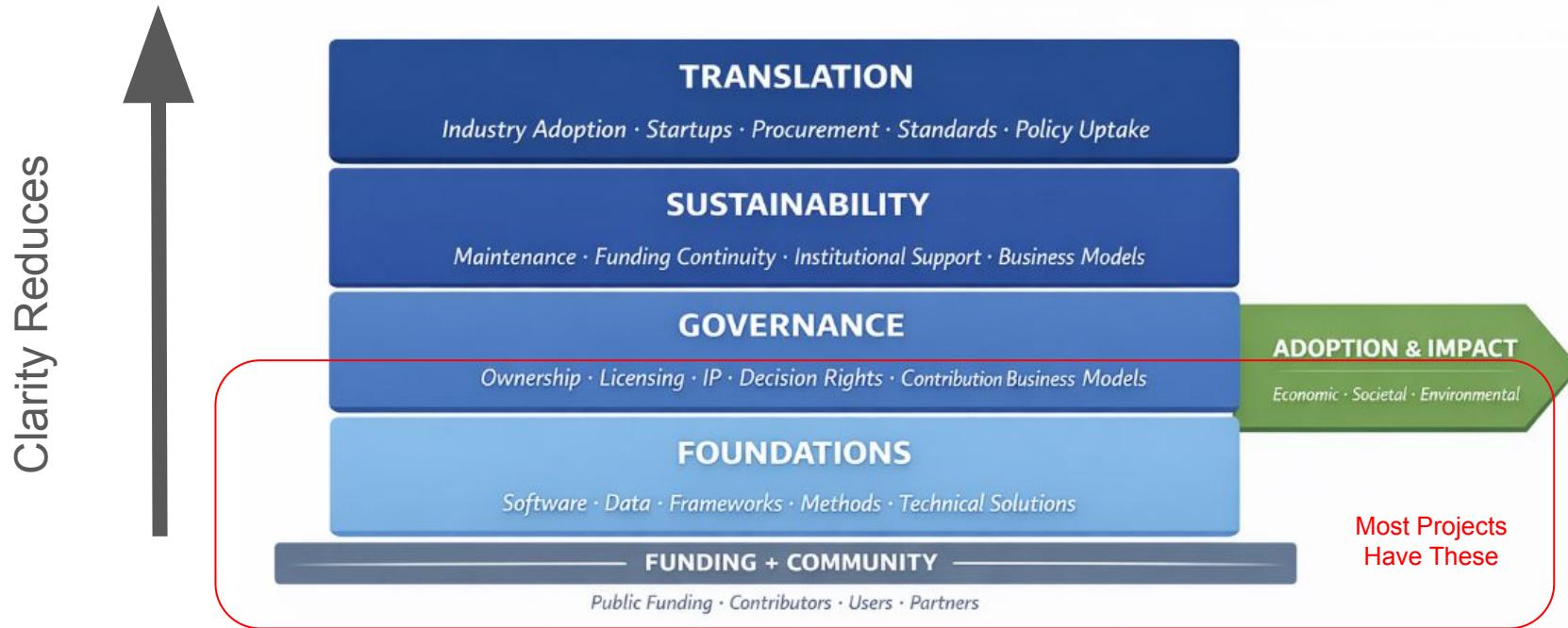




# The Open Source Impact Stack (Core Framework)

## THE OPEN RESEARCH IMPACT STACK

*From funded outputs to real-world adoption*





# Example in Practice: 5G-TIMBER

## Foundations

- 25 innovations, 4 Business Use Cases, 7 patents filed (EPO & National).

## Governance

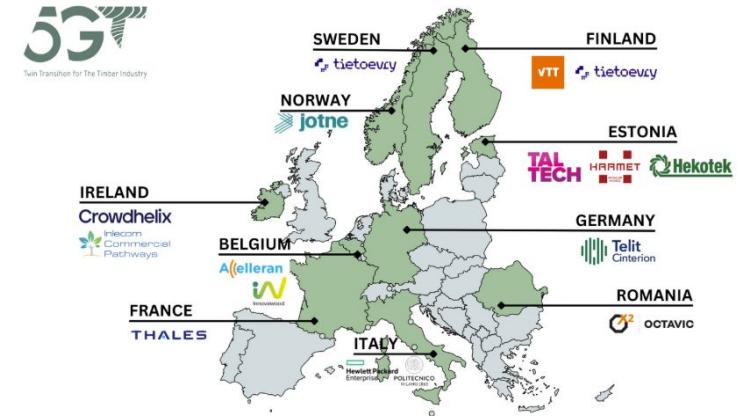
- Exploitation ambitions defined for **all partners**
- Structured IP strategy across key innovations
- Ecosystem coordination & creation

## Sustainability

- Extensive market analysis informing business plans
- Clear commercial pathways for each Business Use Case
- Ownership and continuation models established across partners
- Significant open source plans for assets

## Translation

- 129 experts, 93 organisations, 27 countries engaged
- Standardisation contributions +whitepapers + best practices +Publications



## THE OPEN RESEARCH IMPACT STACK

From funded outputs to real-world adoption





# The Hybrid Model

## Hybrid open innovation

### Public funding

→ accelerates creation

### Open communities

→ ensure continuity

### Industry

→ enables scale

**Hybrid models connect all four layers of the Stack.**





# What This Means for Ireland (Or elsewhere)

## Turning open source into national advantage

### Universities

- Design for post-project ownership from day one

### Startups & SMEs

- Engage with research outputs earlier

### Corporates & Public Sector

- Treat open source as strategic infrastructure

**Goal:** build hybrid ecosystems, not isolated projects.





CURI OSS



# Let's Talk Today!

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