



Foundations 2.0

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SAP Open Source Summit
September 19, 2012

Early Days



Early Days



Meritocracy



Transparency



Andrew Magill – flickr.com

Openness



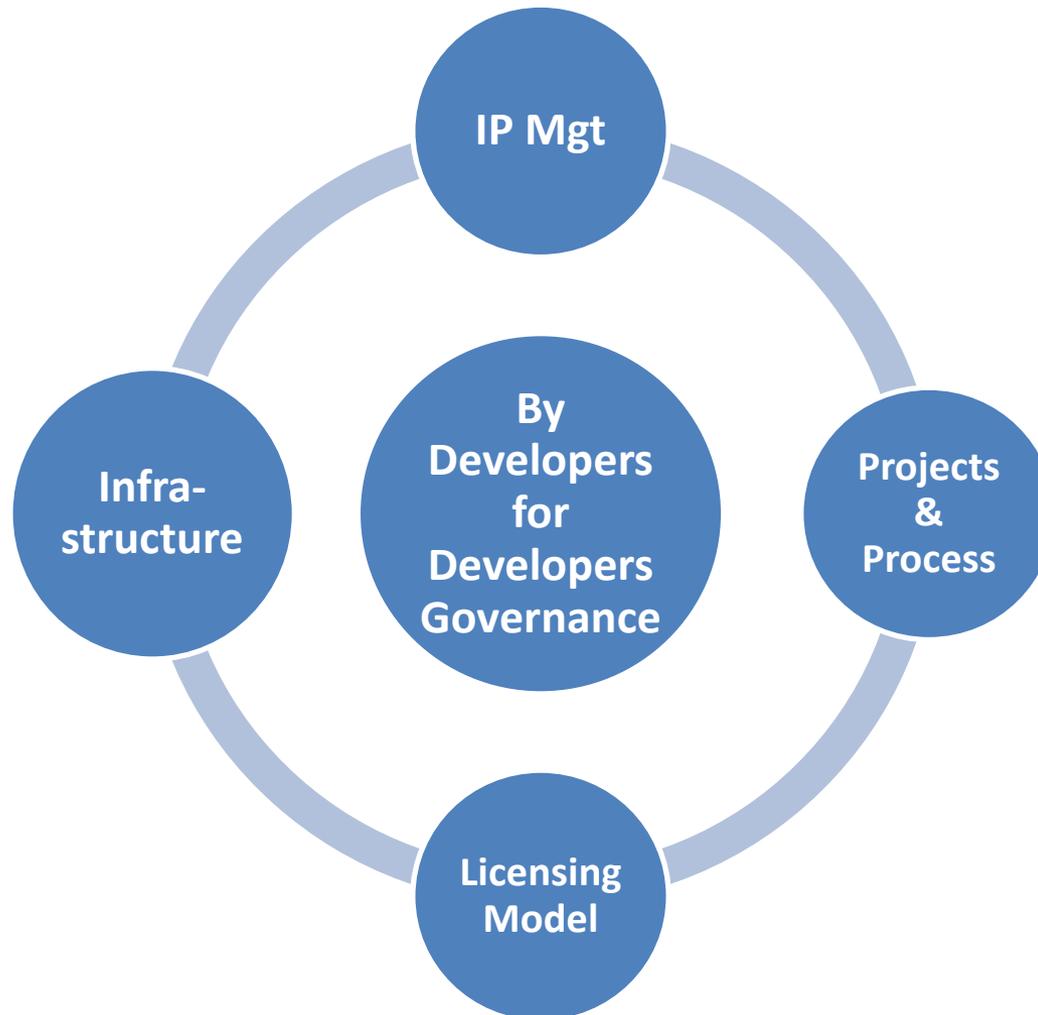
Chris J. Fry – flickr.com

Early Goals



- By developers, for developers
- Collaborative development
 - processes for collaboration
 - infrastructure
- Intellectual property management
 - Aggregate the copyrights
 - Foundation as a legal buffer
- License as religion

Foundations 1.0



Early Days



mozilla
FOUNDATION

Then Along Came Eclipse



Eclipse: a vibrant open source community



“Eclipse is an **open source community** focused on developing a **development platform** of **runtimes, frameworks** and **exemplary tools** that make it easy and cost-effective to build and deploy software solutions.”

Eclipse: a vibrant open source community



open source community
development platform
runtimes, frameworks **exemplary tools**

Eclipse: a sustainable eco-system



“Eclipse is a **vendor-neutral consortium** of major software vendors, solution providers, corporations, educational and research institutions and individuals working together to create a **sustainable eco-system** that enhances, promotes and cultivates the Eclipse open platform with complementary products, services and capabilities.”

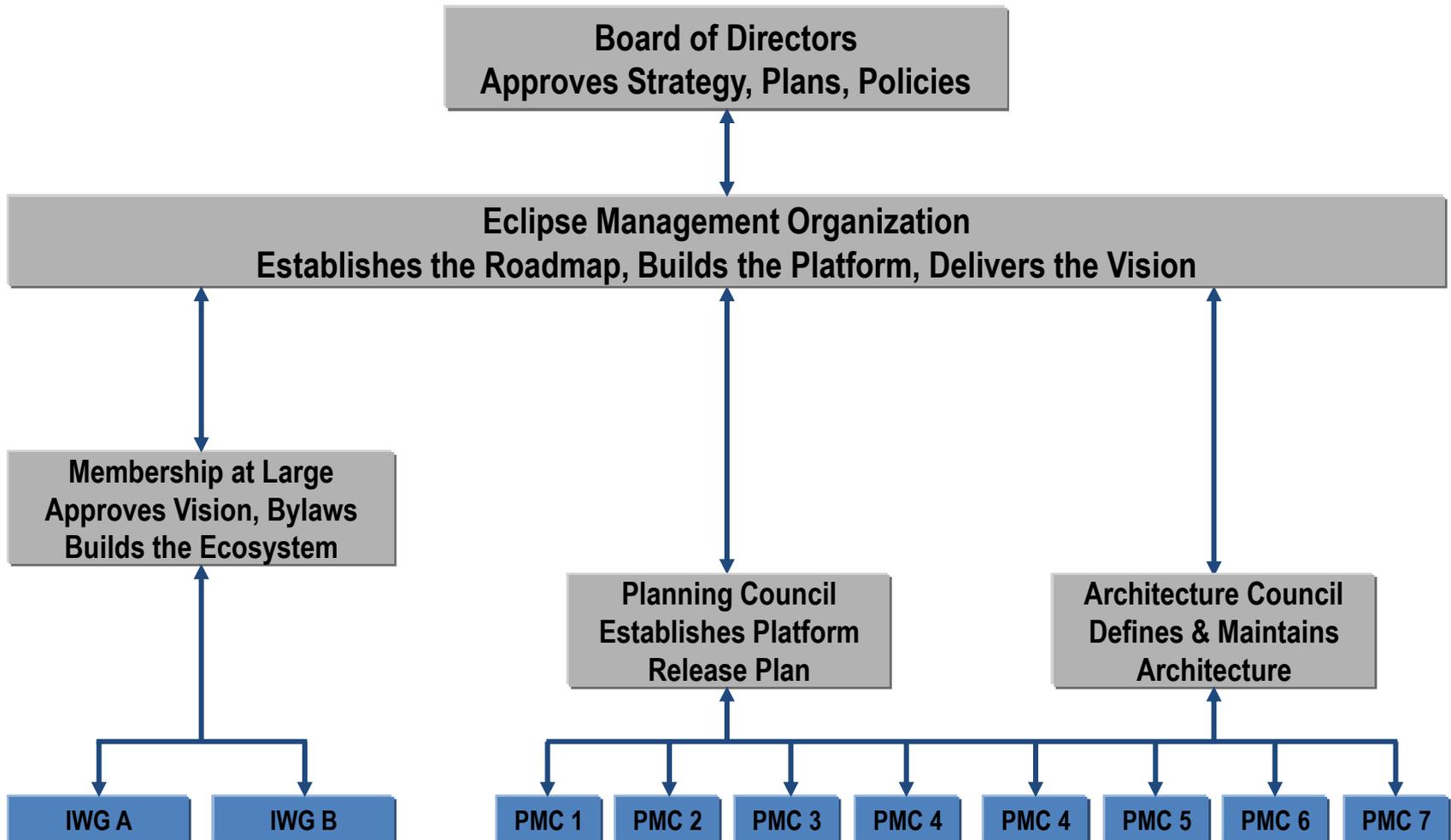
Eclipse: a sustainable eco-system



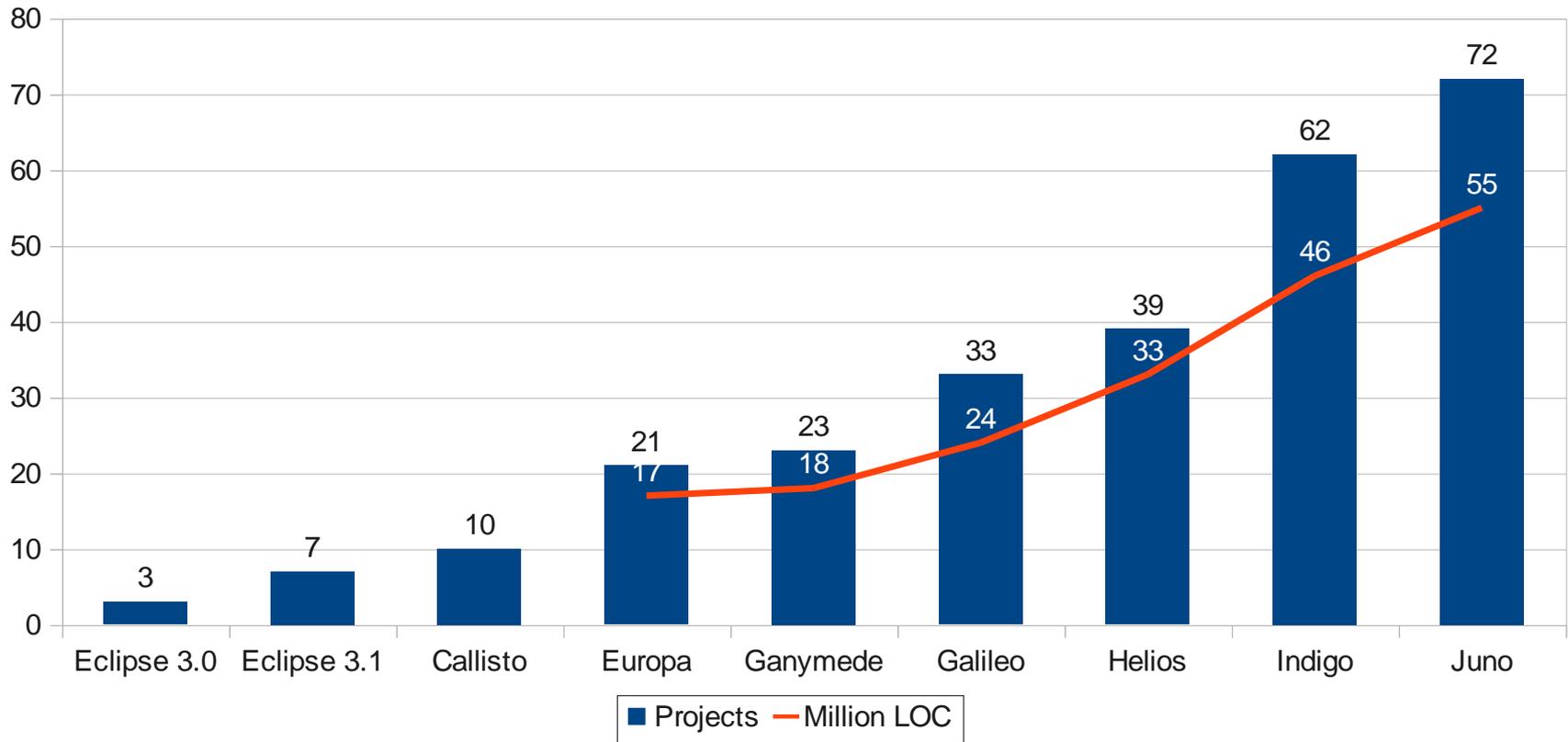
vendor-neutral consortium

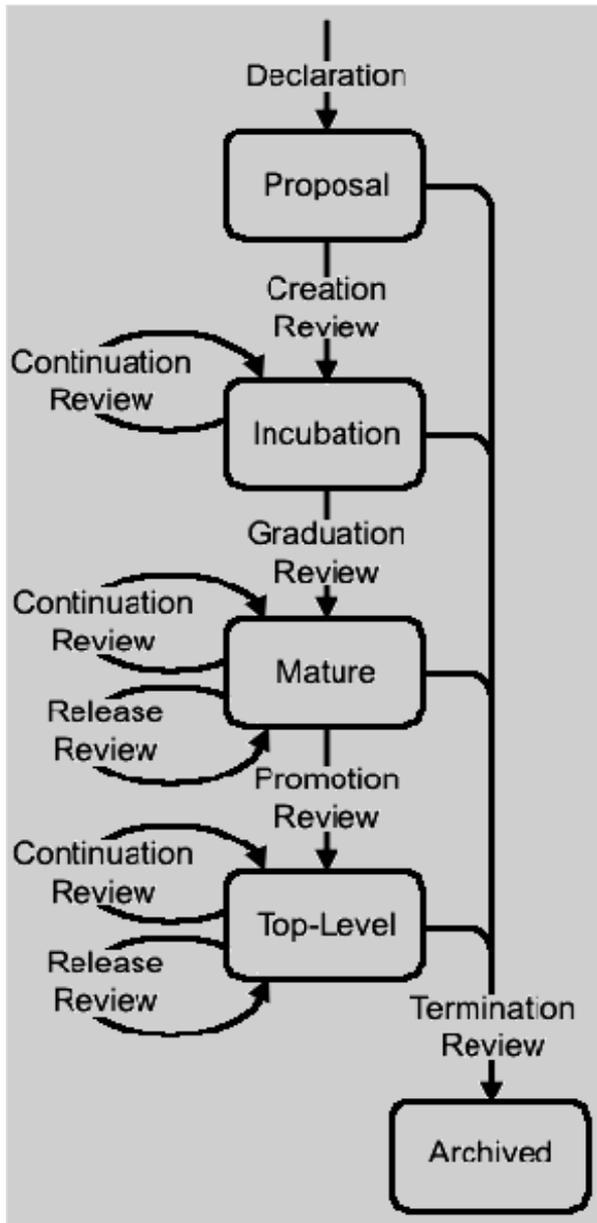
sustainable eco-system

Eclipse Governance Structure



Predictability





The Project Lifecycle

Members of Eclipse



Downloads



DOWNLOADS PAGE DOWNLOAD REQUESTS PER MONTH

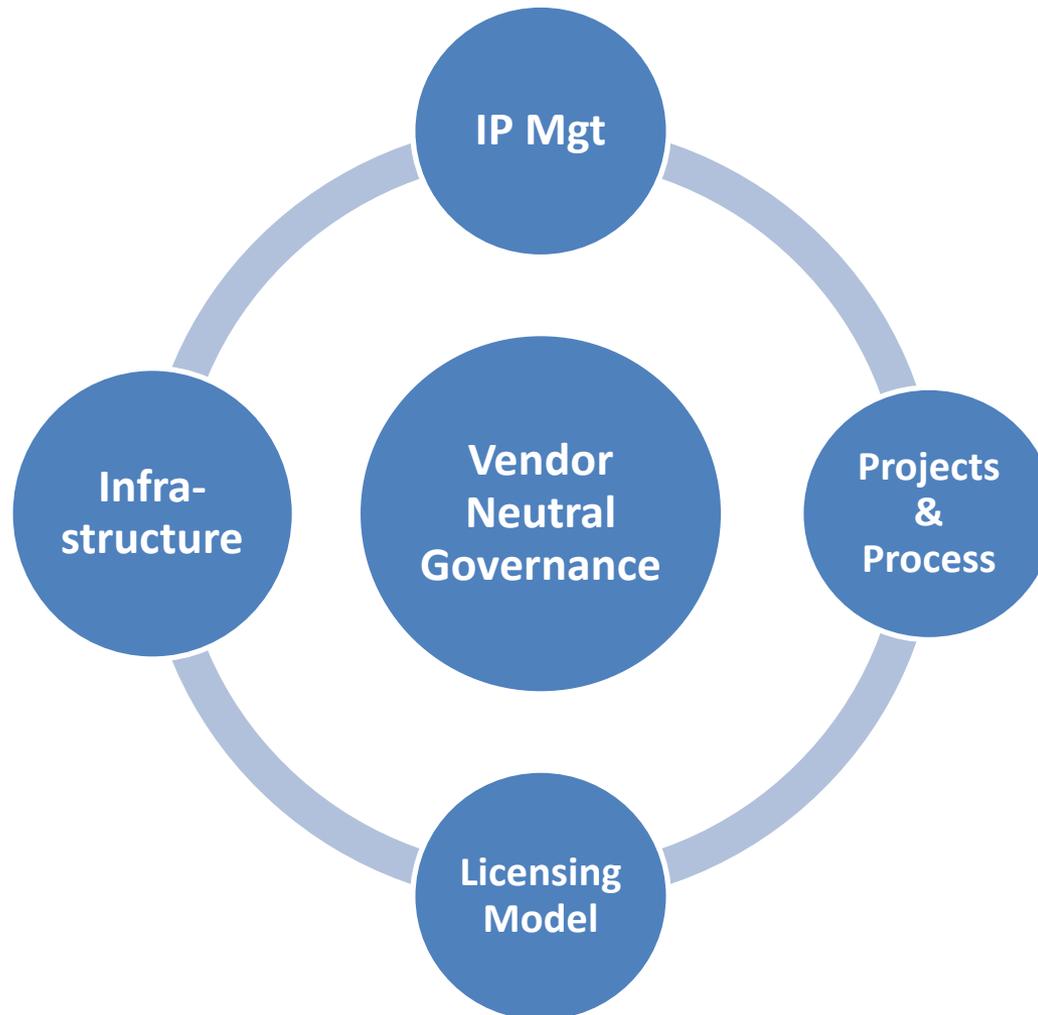


Eclipse Has...



- Millions of users
- Thousands of products
- One thousand developers
- Hundreds of companies, hundreds of projects
- Predictable schedules
- World class intellectual property management
- Fifteen employees

Foundations 1.1



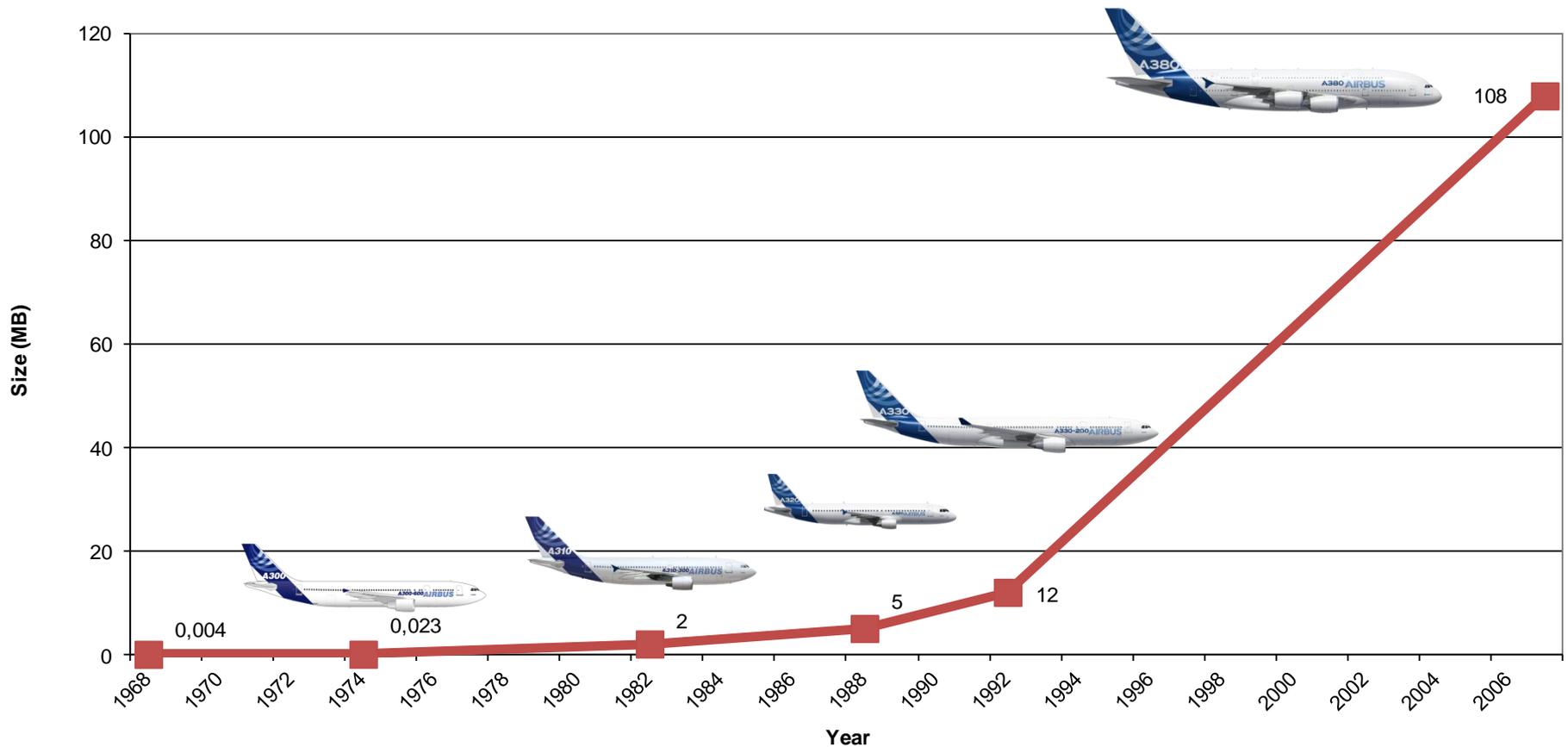


So where do we go from here?



Trend 1: Software is eating the world

Software Embedded on Airbus Aircraft





Trend 2: Post Open Source Software

A Changing World



mikeal   

Apache considered harmful

Nov 22 2011



"Institutions will try to preserve the problem to which they are the solution." -- Clay Shirky



This is a hard article to write. The way I think about technology, open source, and community has been shaped by Apache and while I appreciate all they have done I no longer believe they embody the values they claim.

Start with the basics. Why does Apache exist?

STL: Socially Transmitted Litigation



James Governor @monkchips

17 Sep

@nearyd @mmilinkov @stephenwalli Post Open Source Software. github kids not giving a shit about FOSS, but freely sharing and using code

Expand



Stephen Walli @stephenwalli

17 Sep

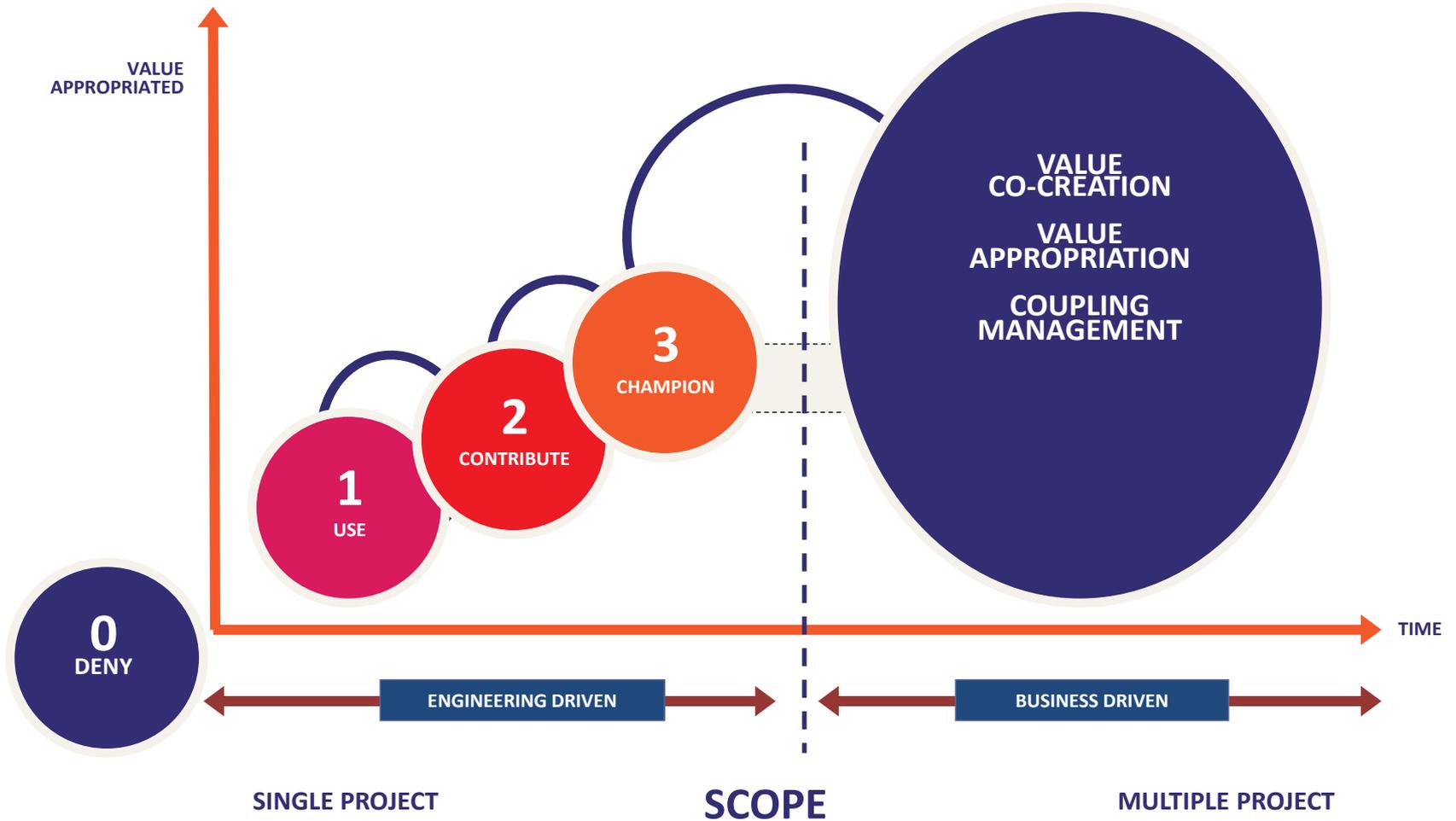
@mmilinkov I imagine most folks practicing unsafe software think it's fun & OK 'til they discover their 1st STD. c/ @nearyd @monkchips

Expand



Trend 3: Open Source Software is Really Really Mainstream

Maturity Model



Our constraints



One example : AIRBUS A300

- Program began in 1972 and will stop in 2007

2007-1972 = 35 years...

- Support will last until 2050

2050-1972 = 78 years !!!

On board software development for very long lifecycle products



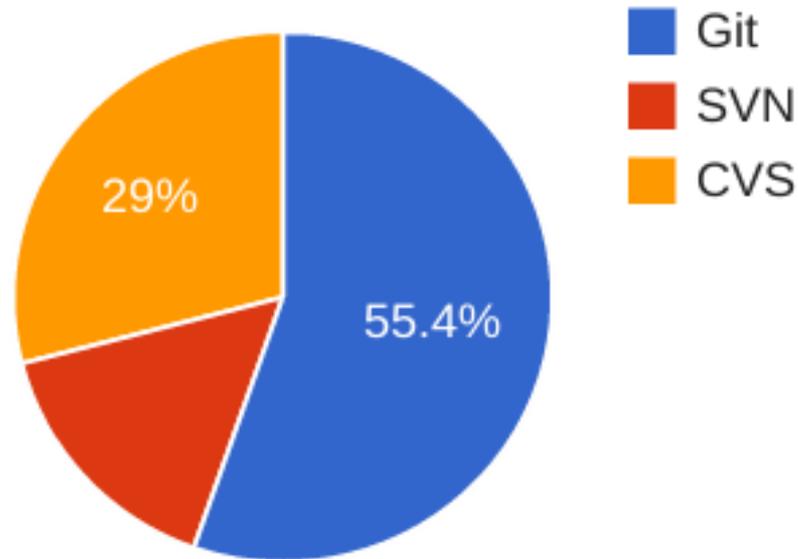
Redefining the open source foundation

Technology Agnostic



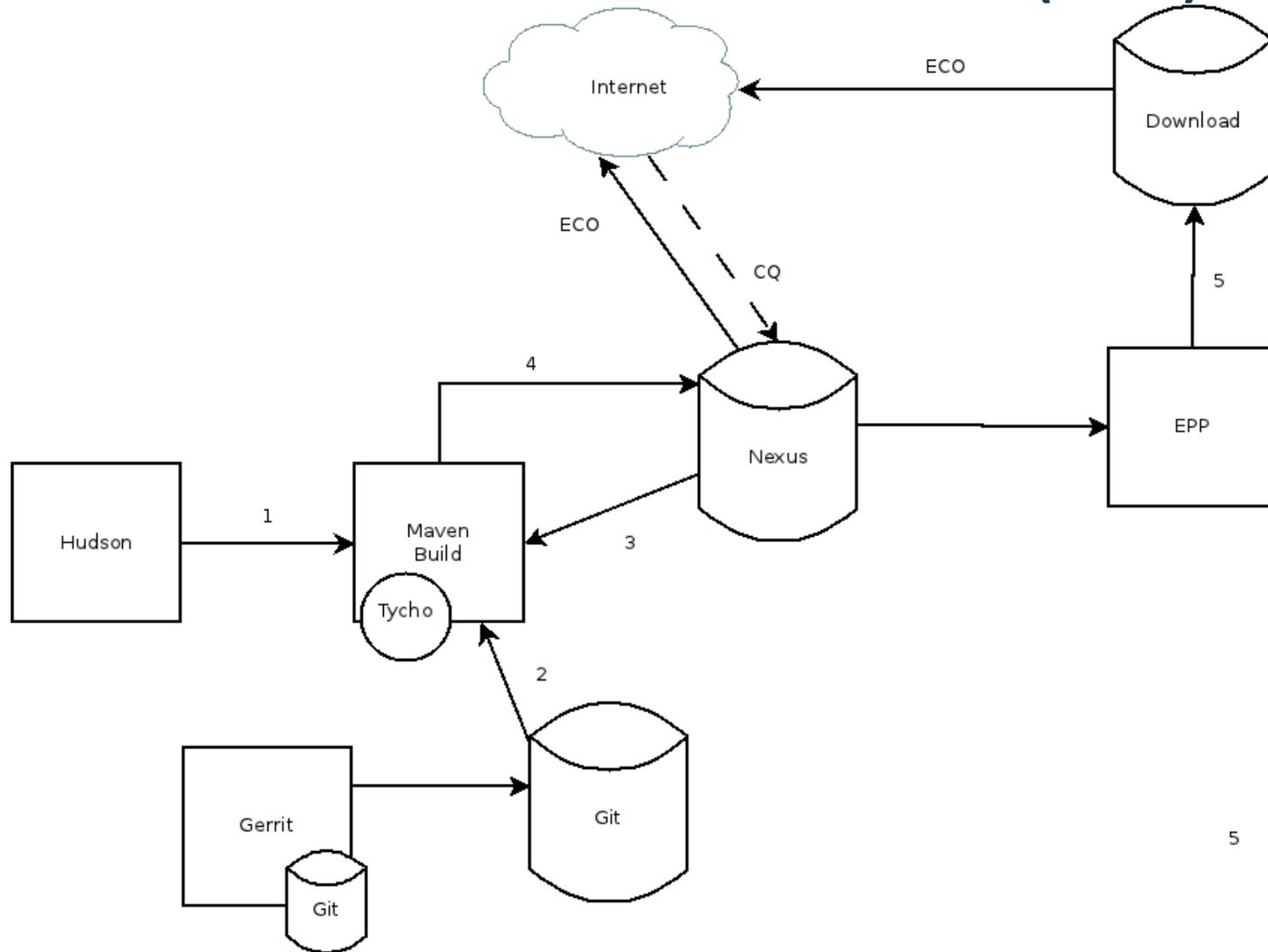
- **Definition of an Eclipse Project:**
 - The project will conform to the Eclipse Development Process
 - The project will conform to the Eclipse Intellectual Property Policies and its related procedures
 - The project will be licensed under the Eclipse Public License unless otherwise and unanimously approved by the Board.
- There is no requirement that Eclipse projects must utilize the Java language or OSGi modularity (plug-in) model.

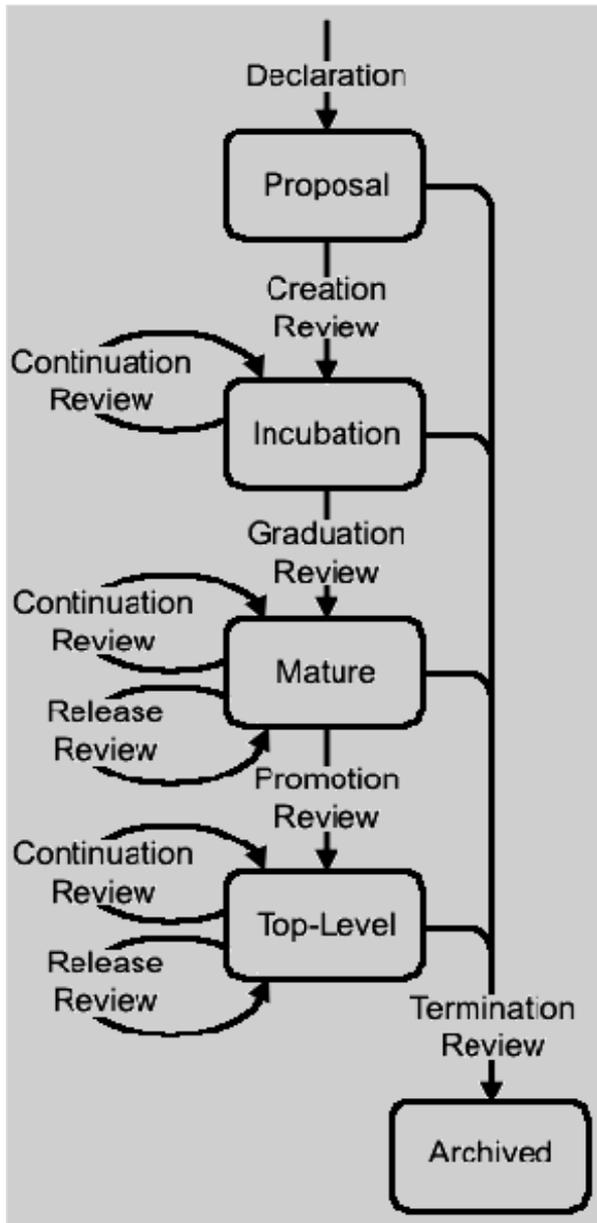
New Infrastructure



CVS @ Eclipse will be shut off 21-Dec-2012

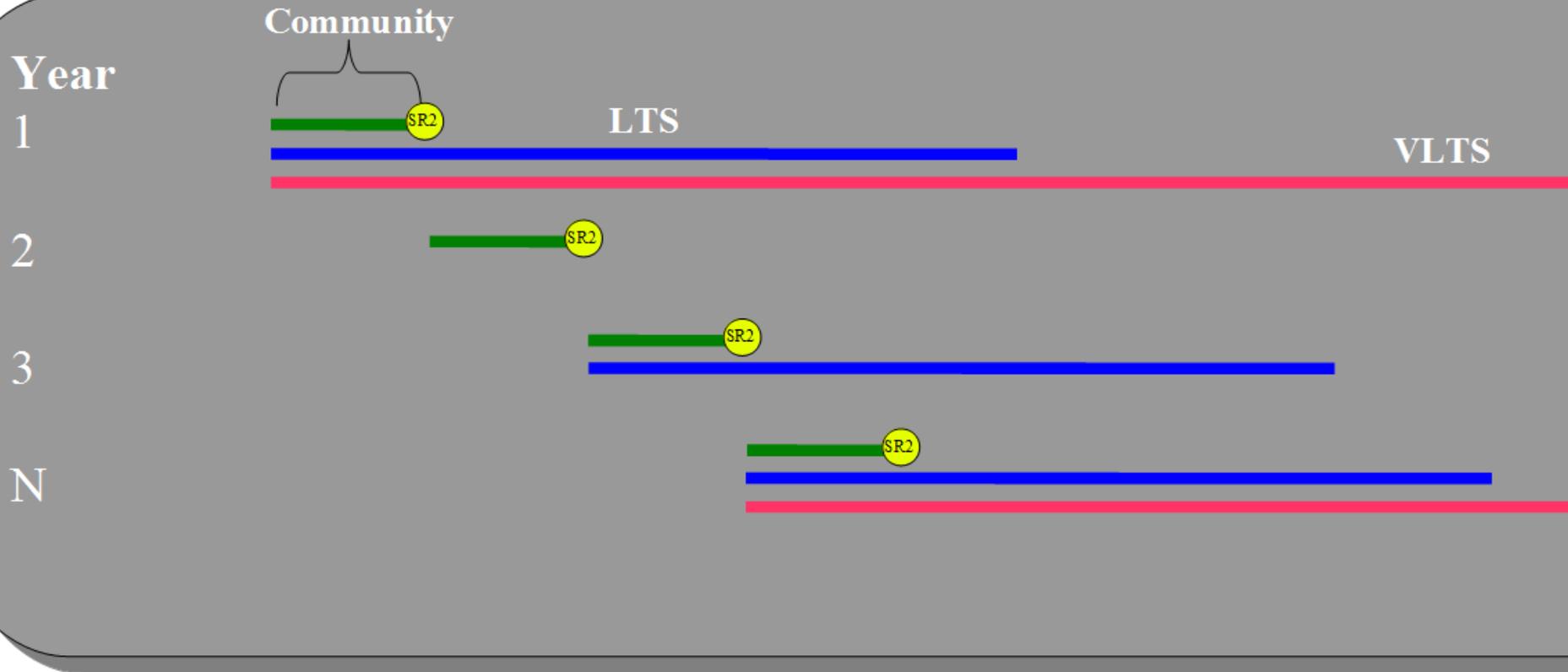
Common Build Infrastructure (CBI)





The Project Lifecycle Diet

Long Term Support



Long Term Support



- Delivering value to the ecosystem
- Reduce costs for all who rely on Eclipse code in their products
- Opportunity for members to lower resource requirements



Eclipse's Secret Sauce



- Eclipse is the industry's best model for vendor-neutral collaboration on innovation
- Industry collaboration requires:
 - Licensing model for sharing co-developed innovation
 - IP management to maximize commercialization opportunities
 - Project model for coordinating investments and activities
 - Governance model to ensure a level playing field for all participants
 - Highly modular technical architecture for the platform

Eclipse gives you these “out of the box”

User-Led Consortia



- Eclipse Industry Working Groups (IWG) allow organizations to collaborate and innovate on the creation of technology, specifications and best practices for a specific industry or market.
- Eclipse Industry WG provide:
 - The legal agreements to share intellectual property rights.
 - The ability to pool resources to create new technology and standards.
 - IT infrastructure to facilitate collaboration between a distributed team.
 - A governance model and process to ensure a level playing field
 - A technology platform



M2M Groups Work to Further Standards

11/4/2011

Partnerships are a vital part of the M2M community, and new groups are being formed that contribute to the overall body of knowledge, especially when it comes to open standards.

Recently, Sierra Wireless, www.sierrawireless.com, and the Eclipse Foundation, www.eclipse.org, announced the creation of an M2M Industry Working Group. The group is designed to define and implement an open-standard platform for the software development tools used in developing M2M communications applications.

Other founding members of the group are IBM, www.ibm.com, and Eurotech, www.eurotech.com. The group is open to any organization with an interest in M2M solutions.



ERICSSON 

AIRBUS
AN EADS COMPANY

THALES



Atos

Polarsys: A New Industry Collaboration to Build Open Source Tools for Safety-Critical Software Development

Ludwigsburg, Germany – November 2, 2011 - A new open source industry collaboration, called Polarsys, is being created at the Eclipse Foundation to focus on building and maintaining tools for safety critical and embedded system development. Interested parties in Polarsys include Airbus, Astrium Satellites, ATOS, CEA, CS (Communication & Systèmes), Ericsson, IRIT (Institut de recherche en informatique de Toulouse), Inria, Katholieke Universiteit Leuven, Obeo, Universidad Politécnica de Valencia, Tecnalía, Thales, and Xipp. Polarsys will operate as a Eclipse Industry Working Group and be open to any organization interested in participating in the goals of the group.

Solution: The Eclipse Polarsys Initiative

**On board software development
for very long lifecycle products**





The leading community for individuals and organizations to collaborate on commercially-friendly open source software that is location-aware.

Mission

Foster, promote, and house location-aware technology components and methodologies that enable organizations to assess their requirements, plan, and deploy systems.

Core areas

- Developing and delivering location aware services for web, mobile, and desktop based systems.
- Storage, exchange, processing, and interpretation of the massive data volume including a spatial component.
- Reference implementations of industry standards

Changes



- Embrace social coding for your developers
- Lower the barriers to contribution
- Be agile
- Ride the next wave of open source: user-led



Thank You!

Questions?

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