Eclipse Foundation

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Eclipse History

- Launched by IBM in 2001
  - Initial release of the Eclipse technology platform (Platform, JDT,PDT)
  - Founding consortium board comprised Borland, IBM, Red Hat……

- Eclipse Foundation formed in 2004
  - Independent not-for-profit organization formed in 2004
  - Definition of bylaws, membership model, initial IP process

- Eclipse Foundation today
  - Members include IBM, Oracle, SAP, CA, Google, Cisco, Ericsson, Airbus, etc.
  - 187 members, (11 strategic members), ~1000 committers
  - ~250 Open Source Projects

Eclipse at a Glance

- ## Organization:
  - 501(c)6 not-for-profit, USA (Delaware) incorporated, headquarters in Ottawa, Canada

- ## License:
  - Eclipse Public License is the default
  - Other licenses possible by approval of the Board

- ## Focus areas:
  - Most project implementations are in Java, but starting to move into web (JavaScript) and C/C++
  - "Eclipse plug-in model"
  - Development tools, modeling tools, runtimes, web development

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

Eclipse gives you these "out of the box"

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

Foundation Services
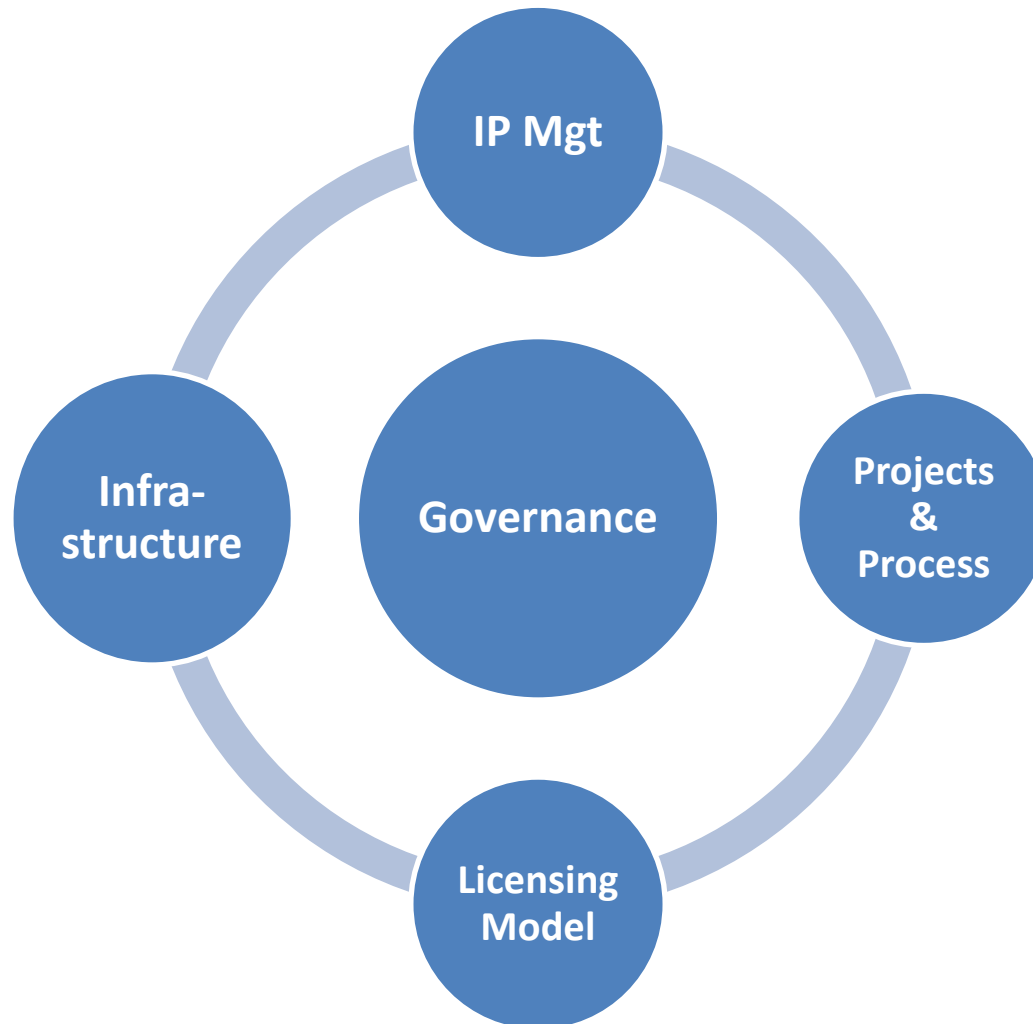
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Project Metrics

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The Project Lifecycle

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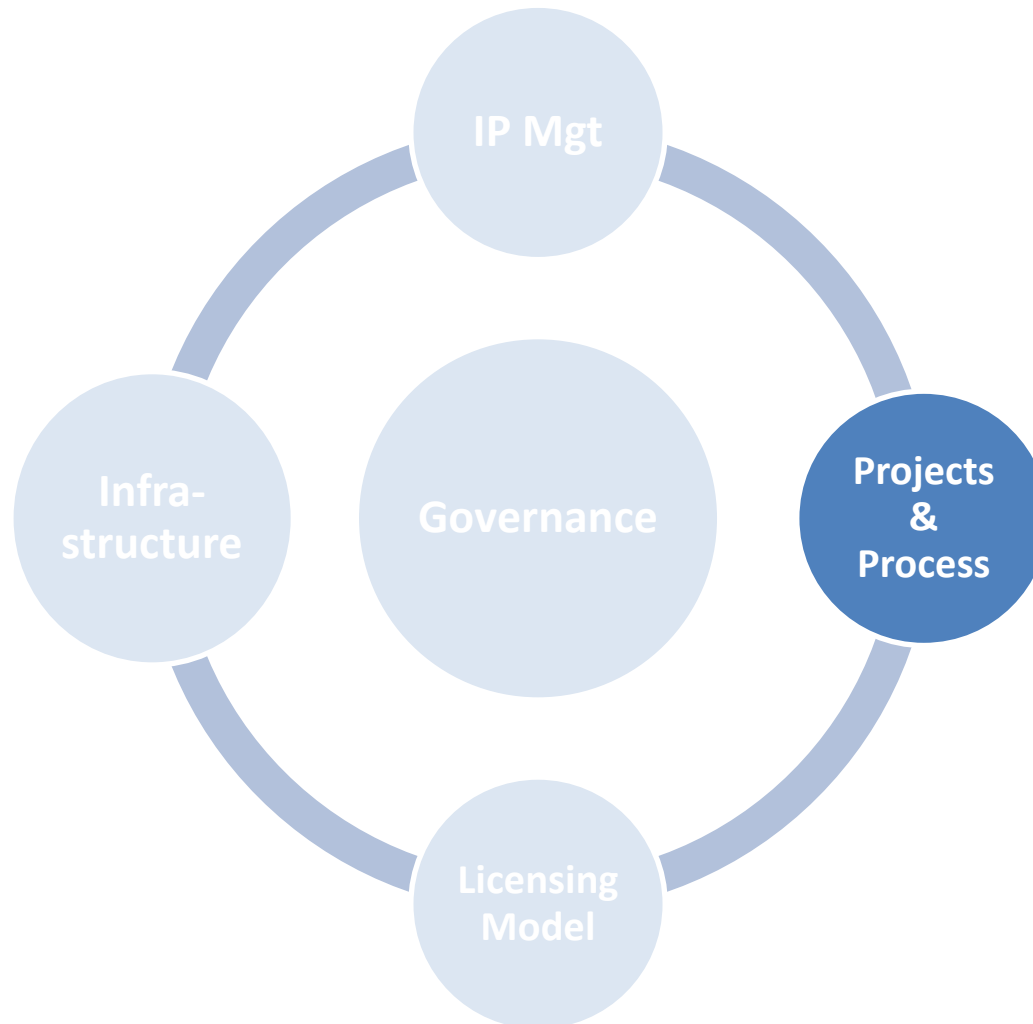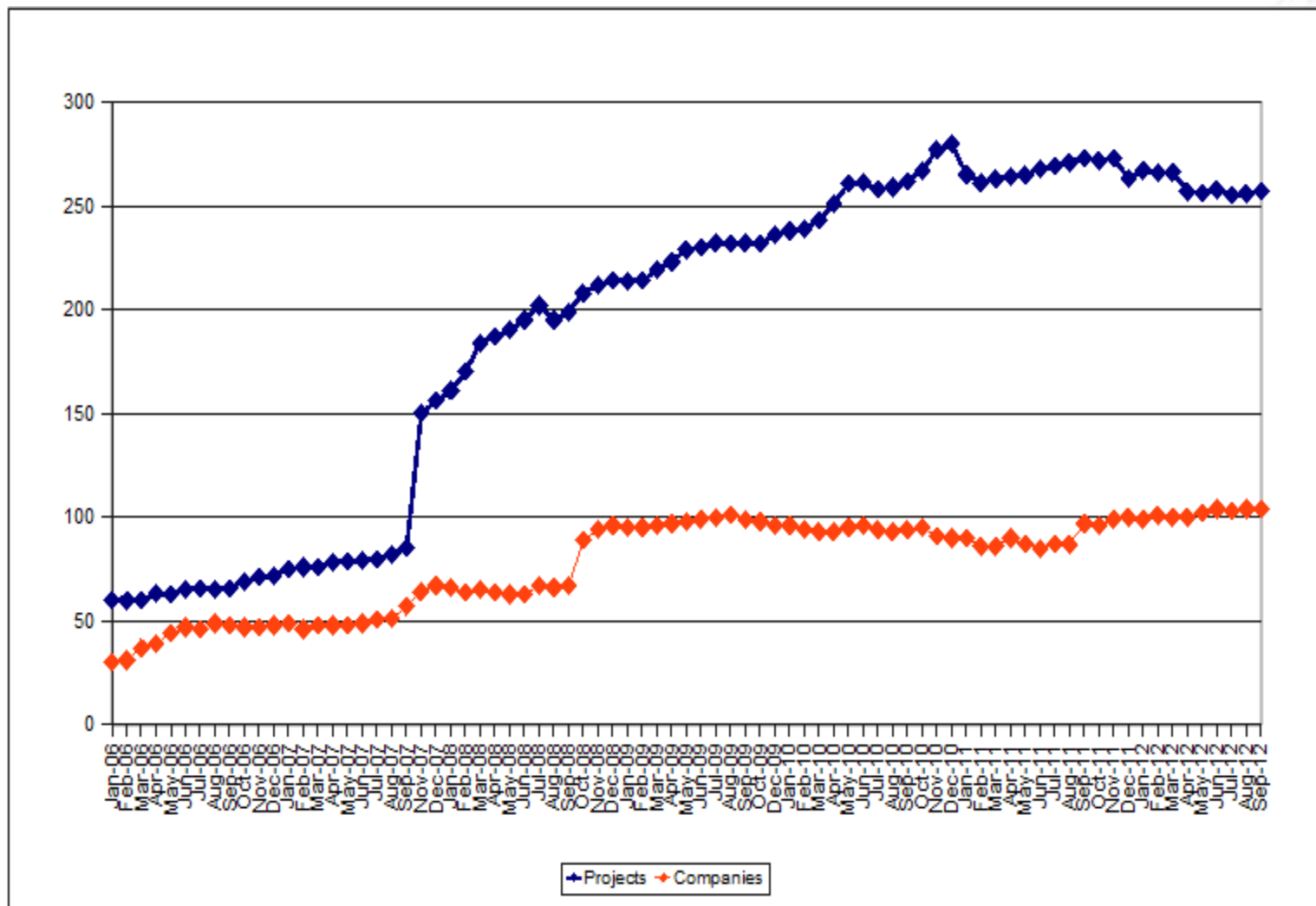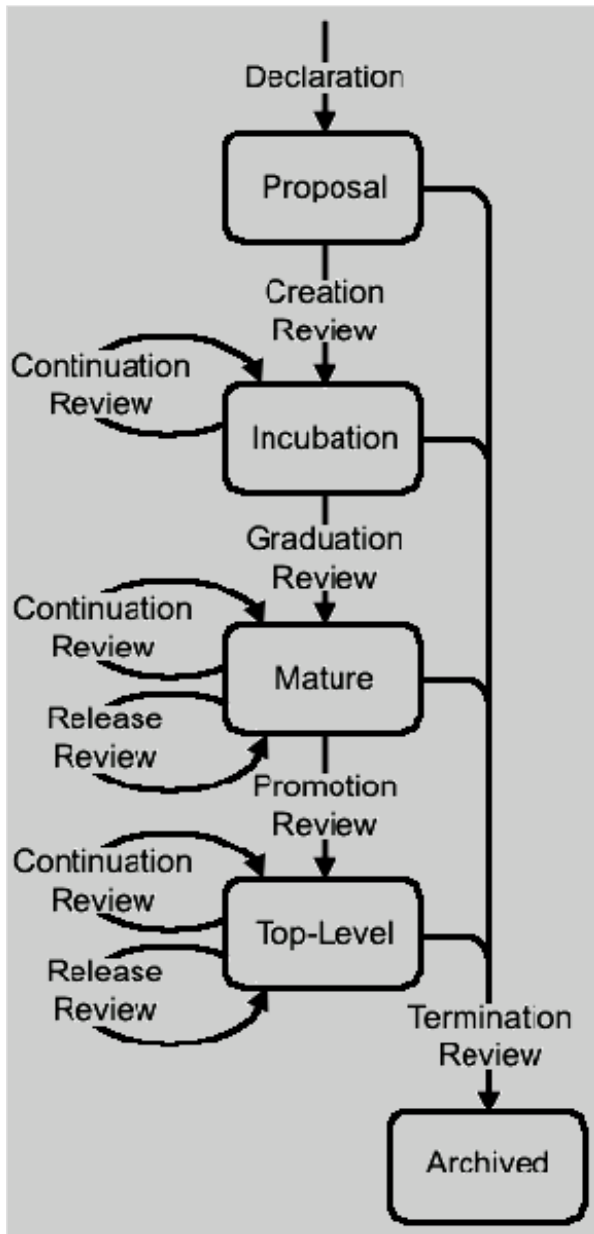
Technology Agnostic

- **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.

Predictability
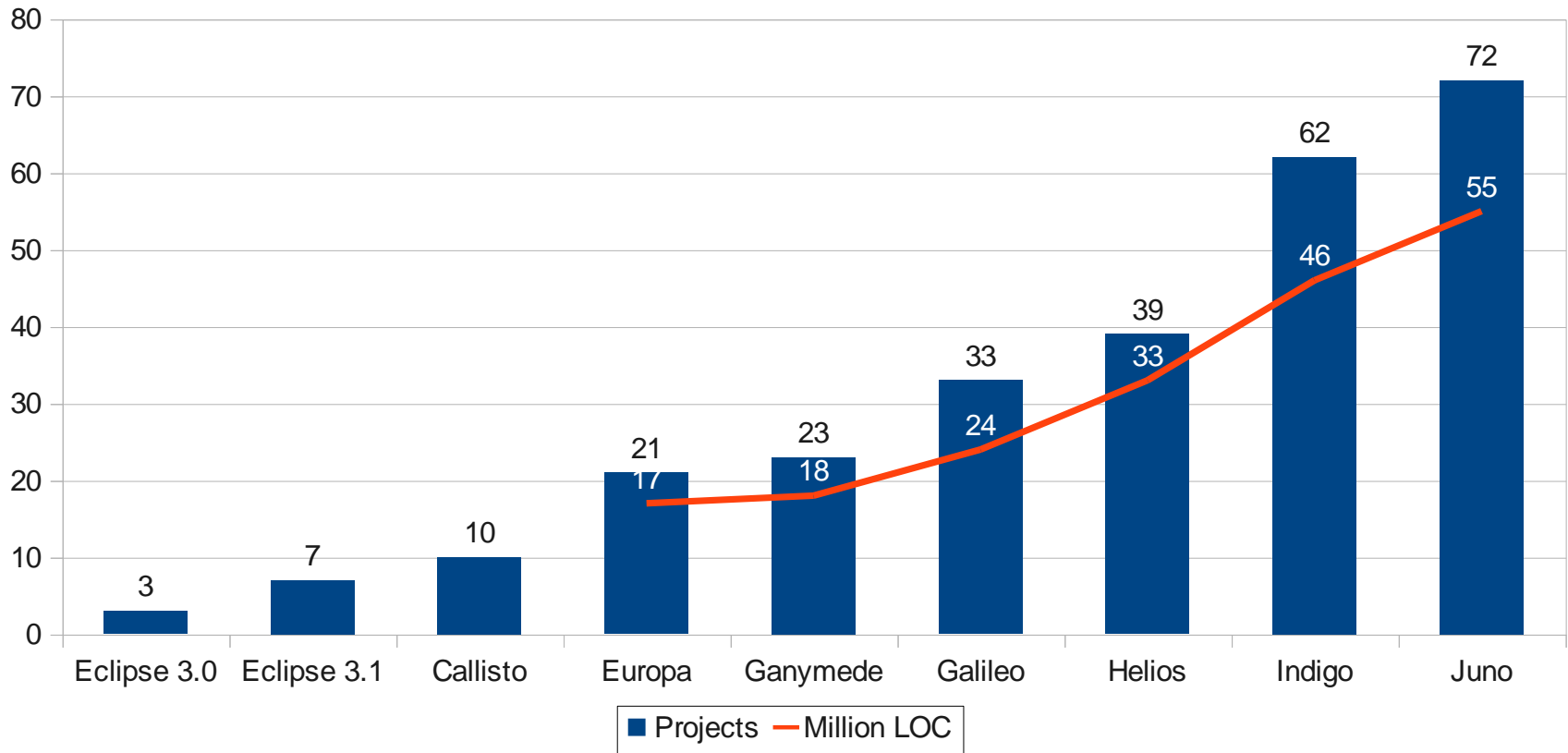
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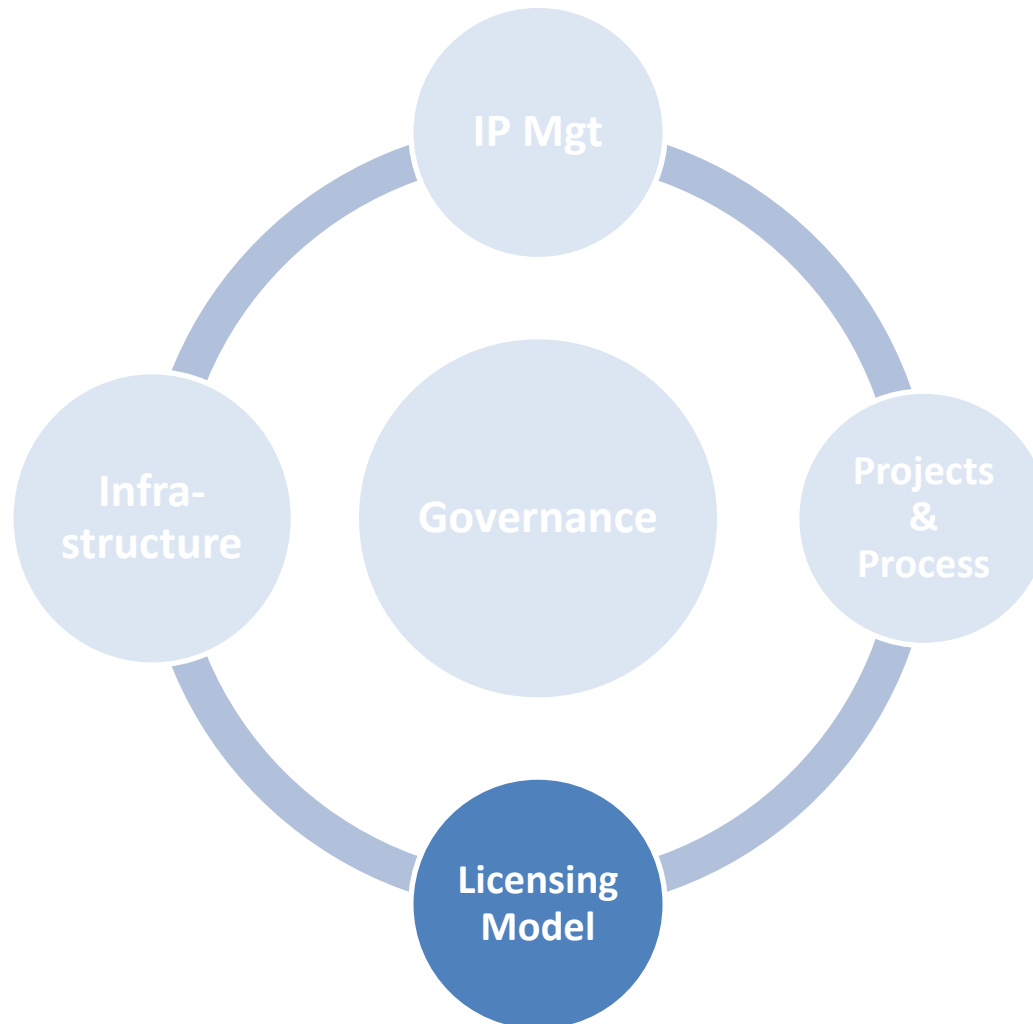
Eclipse Public License

- Default license for all Eclipse projects
- OSI certified as an open source license
- The most commercially friendly weak copyleft license
  - Allows commercial re-licensing of binaries
  - Modern patent license, with reasonable termination clause in event of litigation

Licensing Flexibility

- With the approval of the Board, Eclipse projects can be licensed under different terms than the EPL

- Most common scenario is EPL + BSD(3-clause)
  - We have our own named EDL (Eclipse Distribution License)
  - Used by 8 projects including Orion, Lyo, EclipseLink and EGit.

- Jetty and Gemini are dual-licensed EPL+ALv2

- JGit is EDL only

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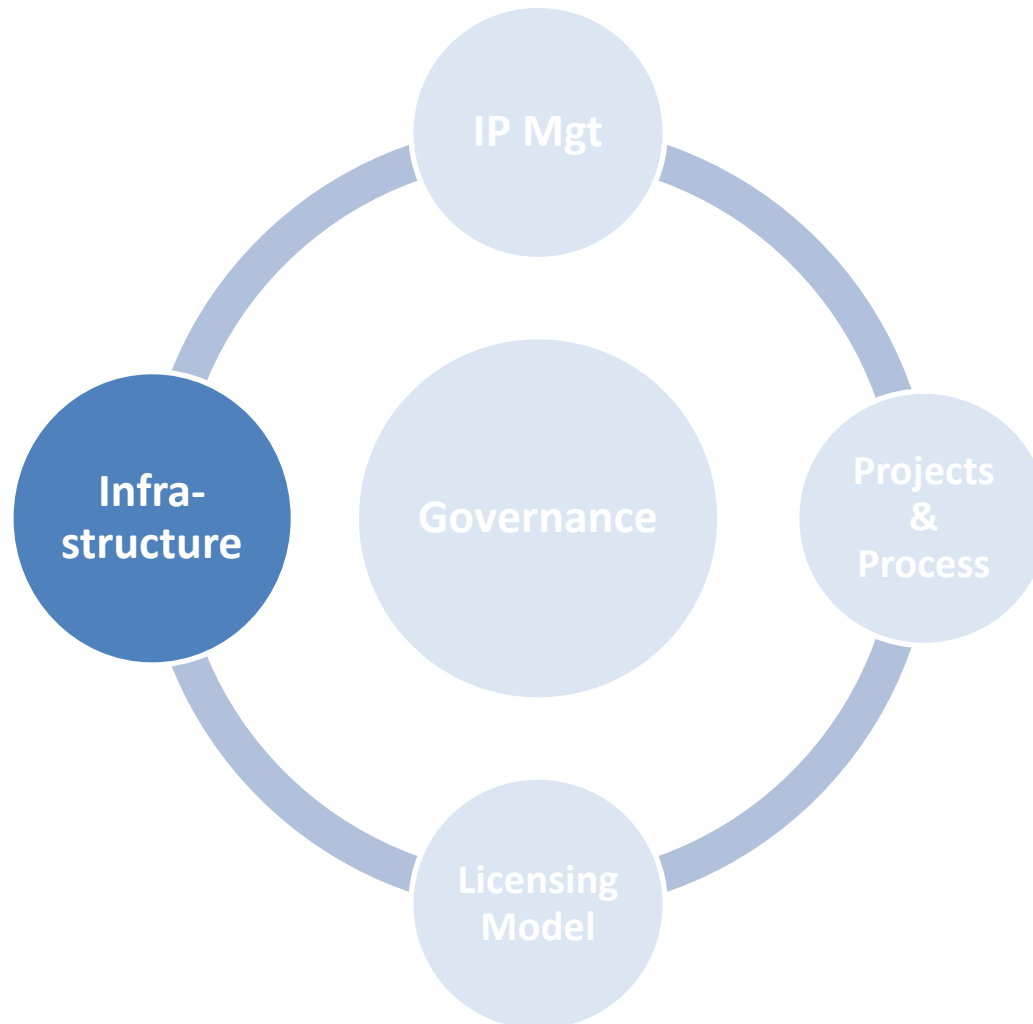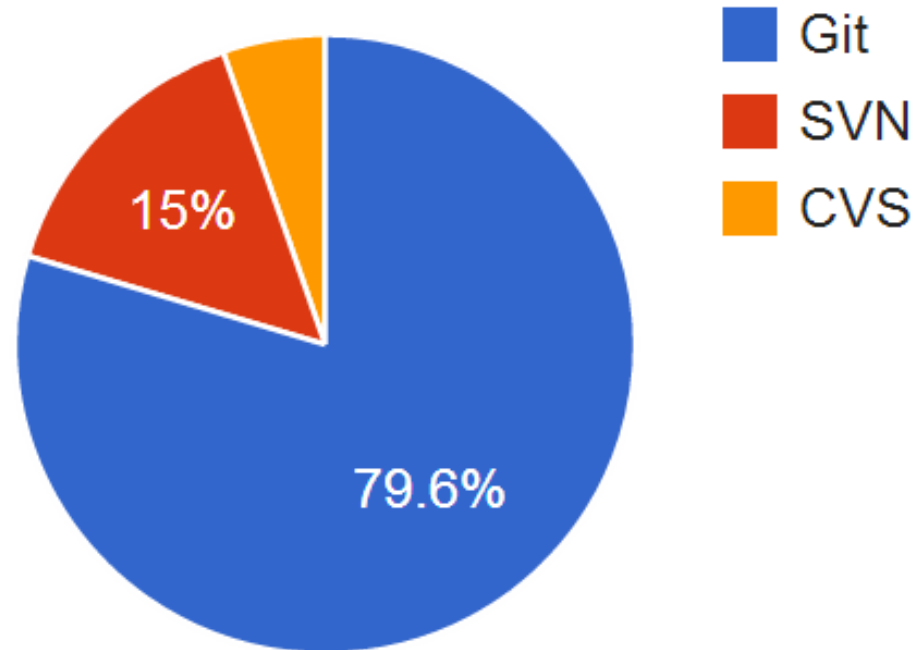
Downloads

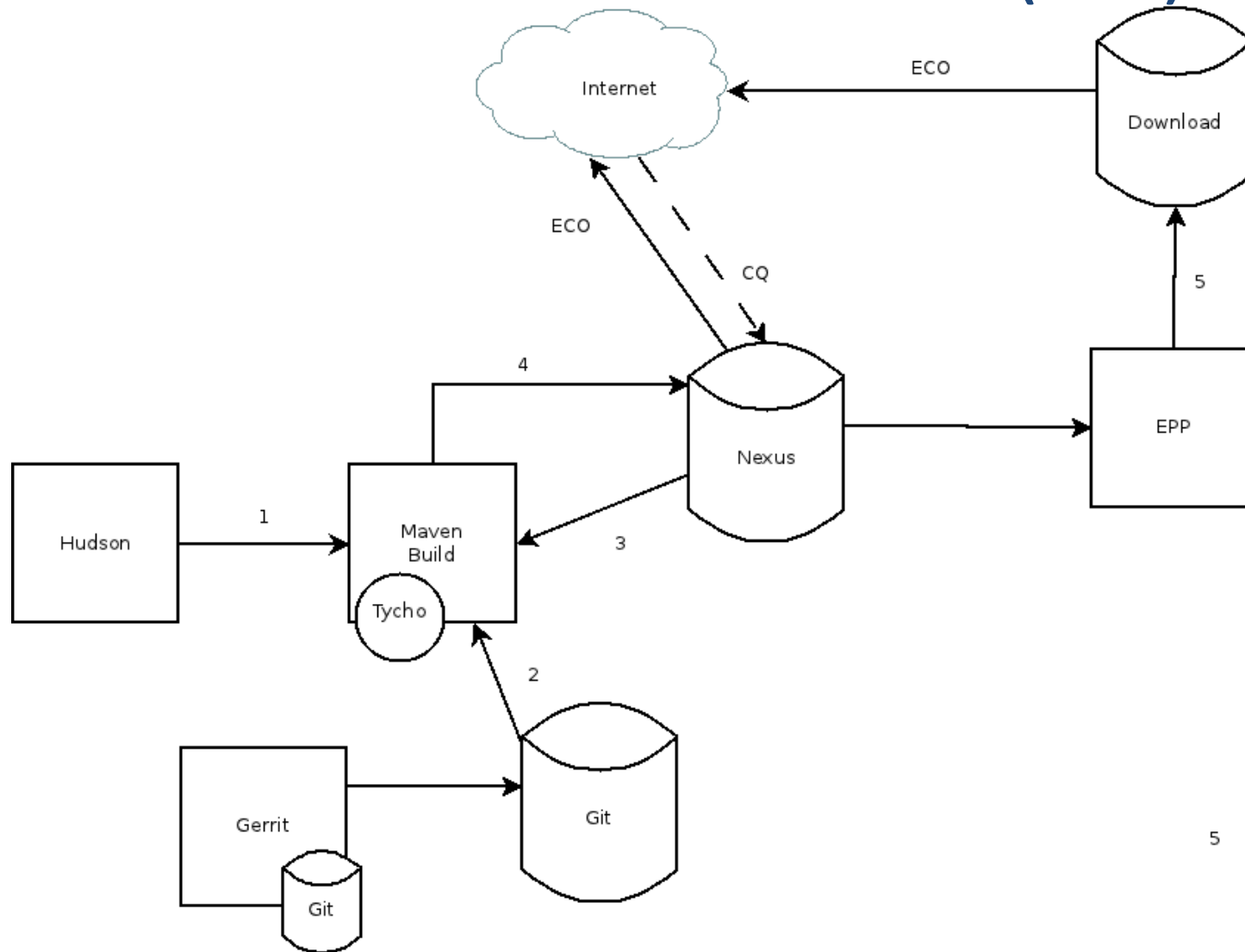DOWNLOADS PAGE DOWNLOAD REQUESTS PER MONTH

Infrastructure Uptime
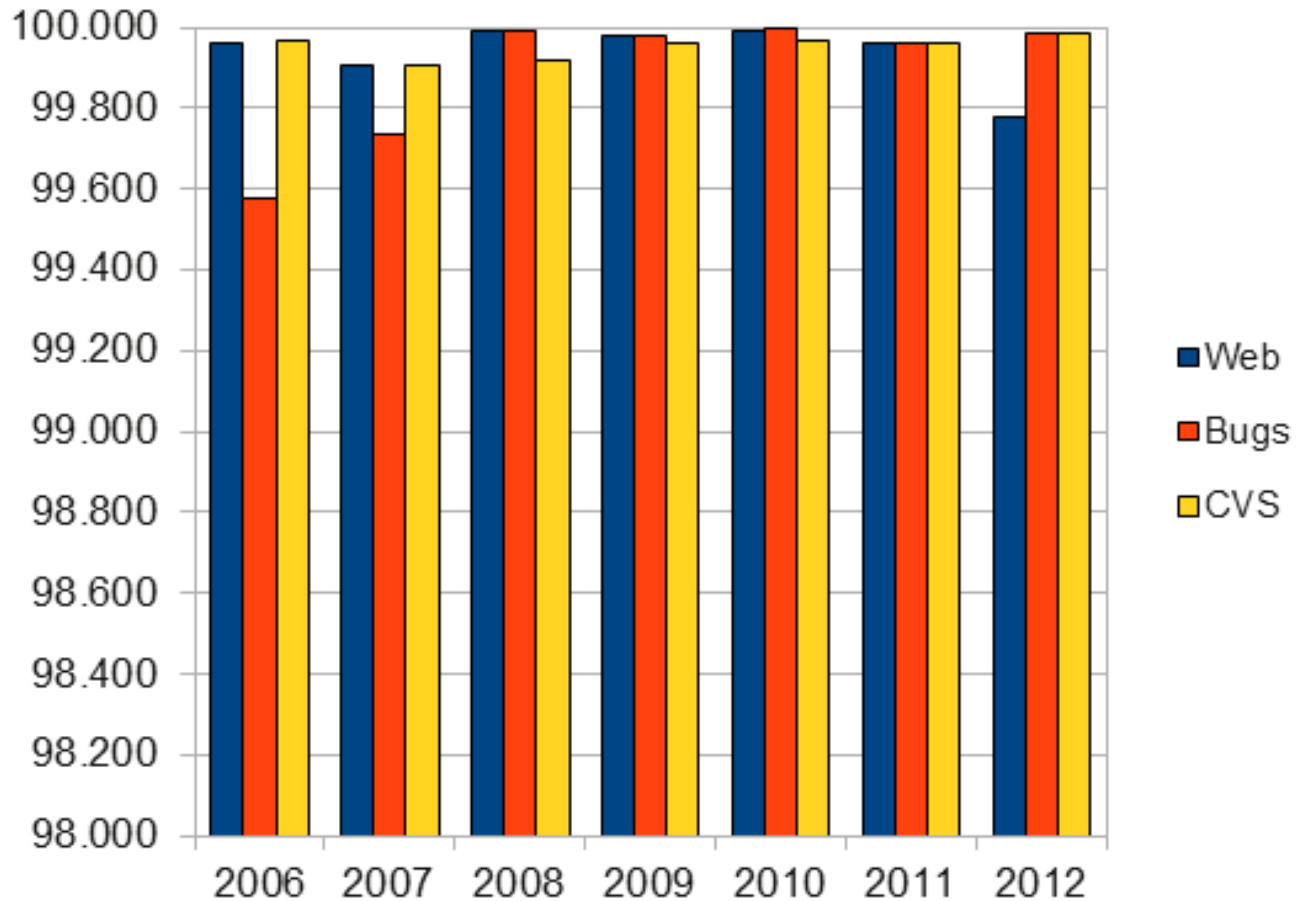
Formal annual objective is .995 uptime. Have exceeded that for 6 years running.
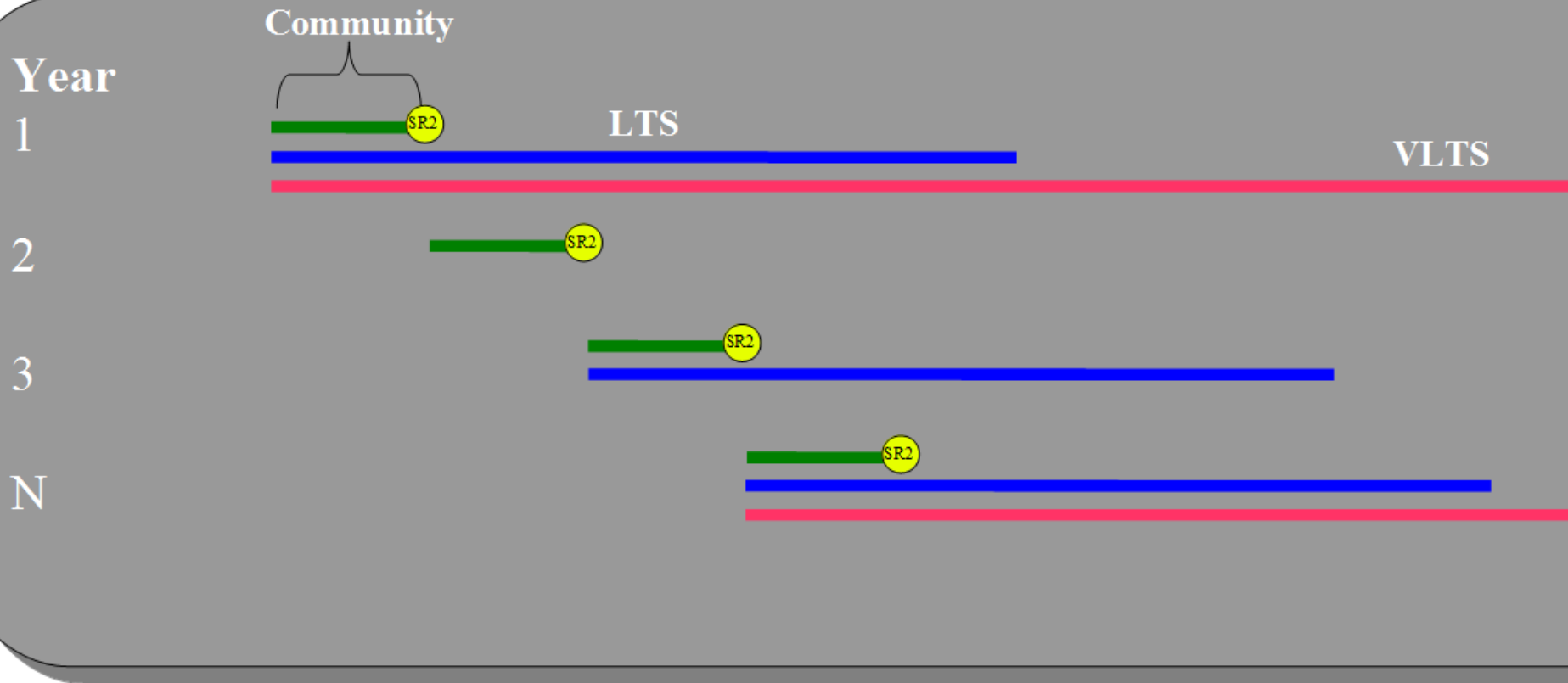
New Infrastructure

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

Common Build Infrastructure (CBI)

Long Term Support

Long Term Support

- Delivering value to the ecosystem

- Reduce costs for all who rely on Eclipse code in their products

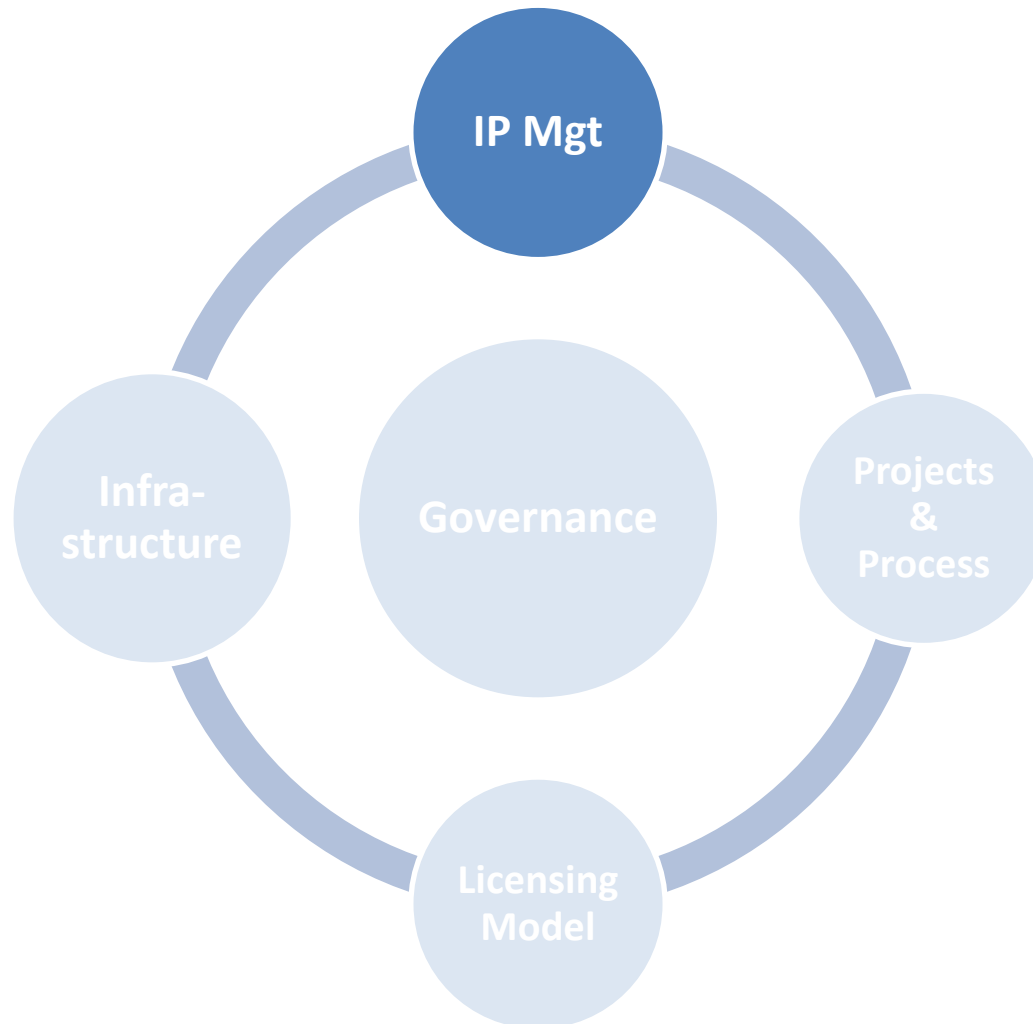- Opportunity for members to lower resource requirements

Foundation Services

IP Mgt

Infra-structure

Governance

Projects & Process

Licensing Model

IP Governance at Eclipse

Code Originates from Three Sources:

1. Contributions from Eclipse Committers
2. Contributions from Contributors
3. Contributions from third party sources (e.g. another open source project)

Eclipse Due Diligence

- The components that are identified as needed are submitted for review.

- Each component is examined from the standpoint of:
    1. Provenance
    2. License Suitability

- Patent searches are not done.

- We use tools to help us

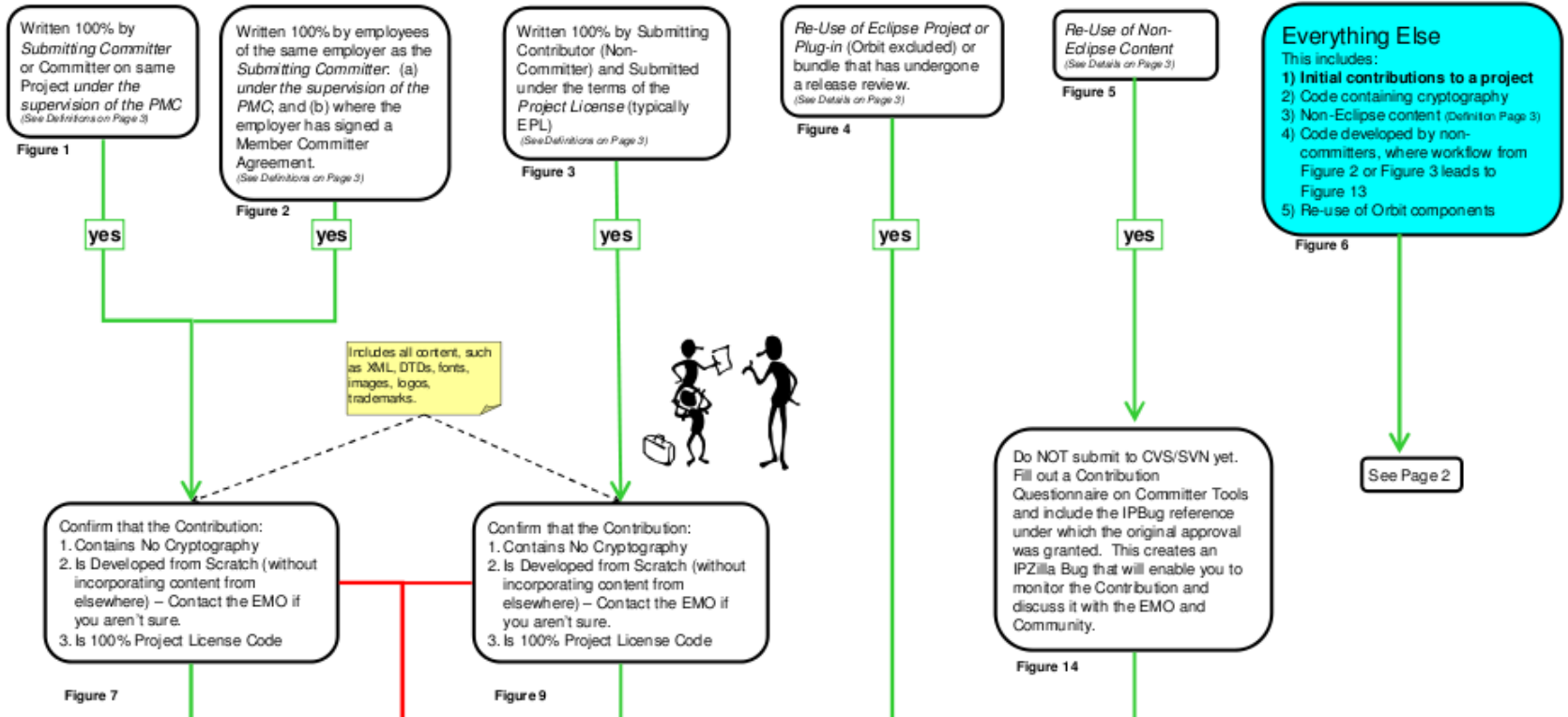- Our committers do much of the work

Training and Communication

How is Provenance Managed

Who wrote this stuff and how did they agree to the license?

We Use Tools to Help Us

- The Eclipse Foundation uses tools to assist with our review.

    - Keyword search tools (from IBM)
    - Code print matching tools (Black Duck)
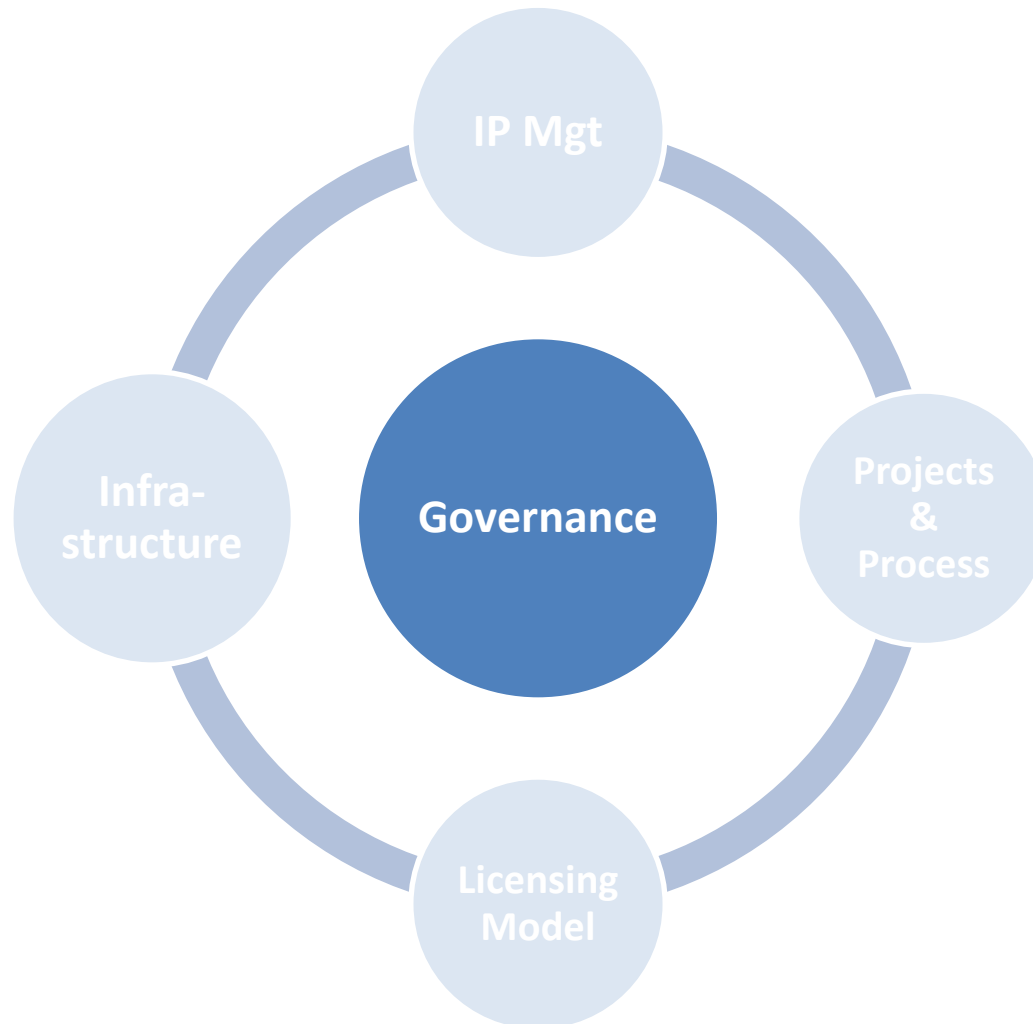   - IPZilla content management and workflow
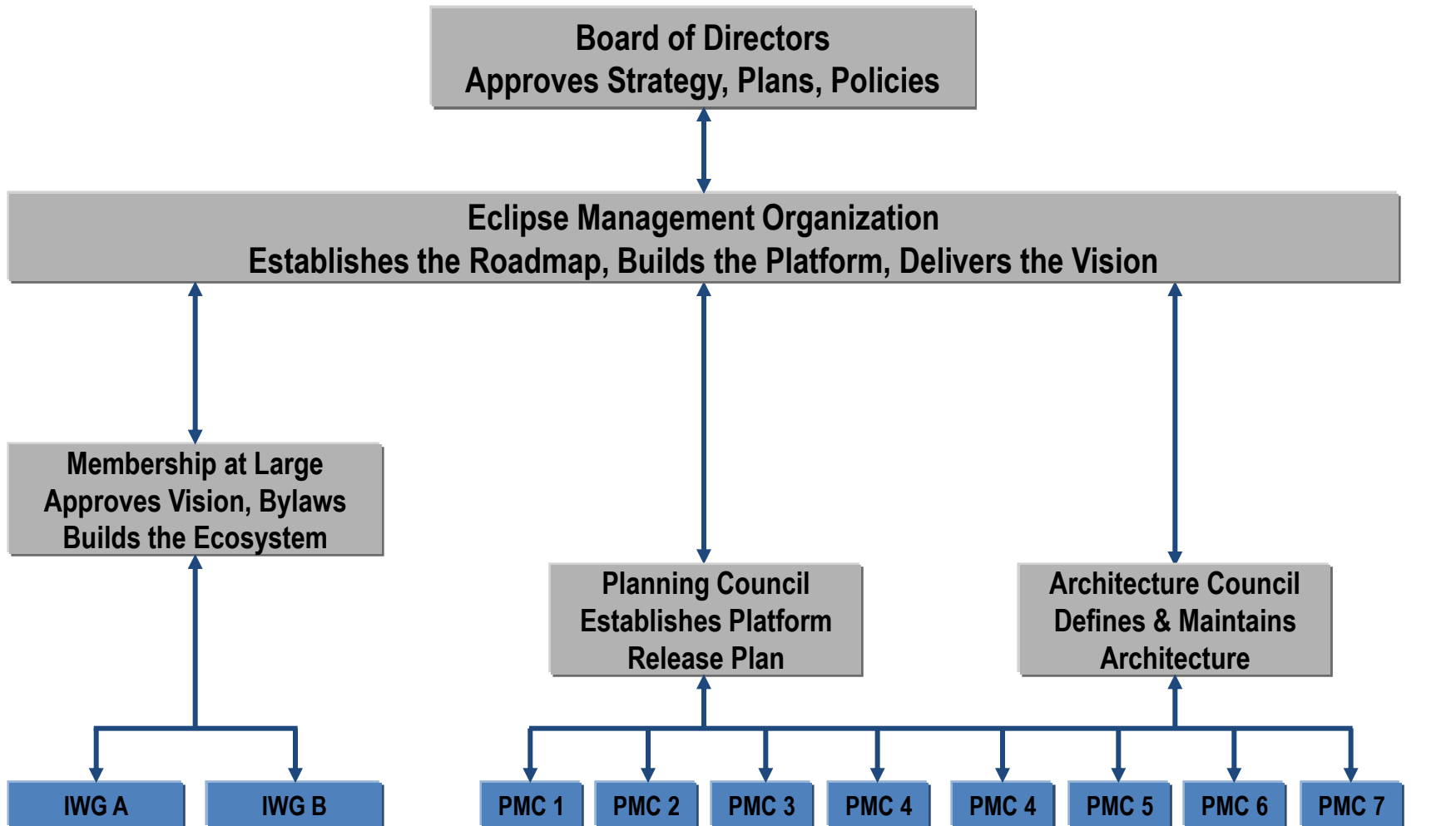
IPZilla Overview

- Eclipse Development Process requires all 3rd party libraries used in Eclipse Projects be approved by Eclipse Foundation

- Eclipse Foundation performs recursive analysis of libraries for pedigree, license compatibility, code scans for incompatible code and other possible problems, etc.

- This process is managed by a tool known to Eclipse Committers as "IPZilla".

Foundation Services

Eclipse Governance Structure

Board of Directors
Approves Strategy, Plans, Policies

Eclipse Management Organization
Establishes the Roadmap, Builds the Platform, Delivers the Vision

Membership at Large
Approves Vision, Bylaws
Builds the Ecosystem

Planning Council
Establishes Platform
Release Plan

Architecture Council
Defines & Maintains
Architecture

IWG A	IWG B

PMC 1	PMC 2	PMC 3	PMC 4	PMC 4	PMC 5	PMC 6	PMC 7

The Members of Eclipse

- 187 members
  - 11 Strategic Members
  - 1 Enterprise Members
- 1013 committers, representing 100+ organizations

Strategic Members

Enterprise Members

Members of Eclipse

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Thank You!

Questions?

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