Eclipse/LocationTech/PolarSys Committer Orientation

The Eclipse Development Process

eclipse.org/projects/dev_process

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The Eclipse Development Process

- Open source rules of engagement
- Governance, structure, definitions, reviews
- General framework for projects
- Day-by-day development rules/process is defined by the project

Open Source Rules of Engagement

- Transparent
  - Project discussions, minutes, deliberations, project plans, plans for new features, and other artifacts are open, public, and easily accessible
- Open
  - The same opportunity to all
  - Everyone participates with the same rules
- Meritocracy
  - The more you contribute the more responsibility you will earn
  - Committer/Project lead elections

Vendor Neutrality

- Open to all comers, including competitors!
- Vendor neutral resources and services
  - Project website
  - Issue tracker
  - Mailing lists and forums
  - Downloads
  - VCS/Git
- Committers must work in the open
- **Freedom of action**
  - GitHub services backed up on EF servers

Three Communities

- Users
  - Users are, well... users
- Adopters
  - Individuals, groups, organizations
  - Build products, extensions, based on your project
- Developers
  - Contributors, committers

Writing code is fun, but...

- Open source rules of engagement
  - Transparency, openness, meritocracy
- Have project-specific diversity goals
  - Building diversity takes work
- Actively court contributors
- Be responsive when they do come
  - “Kill with kindness”

Contribution Guide

- Git, Gerrit, GitHub, ...
- Issue tracking (Bugzilla)
  - “Help wanted” issues
- Project plan
- How to build
- How to engage (mailing lists, forums, issues)
- Spend time with the community

Contributions via Git

```
commit d6cf52411377a039fc2906378711091a26e932cb
Author: Some Body <somebody@somewhere.com>
Date:   Wed May 29 16:17:36 2013 +0200
    [123456] Hide unwanted common navigator action bar items

    This change hides unwanted 'Link with Editor' and 'Customize View...'
    items from the local toolbar and the view menu.

    See bug 409722 for restoring the feature of activating the editor when
    changing the selection using 'Link with Selection'.

    Bug: https://bugs.eclipse.org/123456
    Change-Id: Ia2bd5091303d1b0a738157effc24e4dac5a7d0c7
    Also-by: Some Bodyelse <somebodyelse@nowhere.com>
    Signed-off-by: Some Body <somebody@somewhere.com>
```

Handling Git Contributions

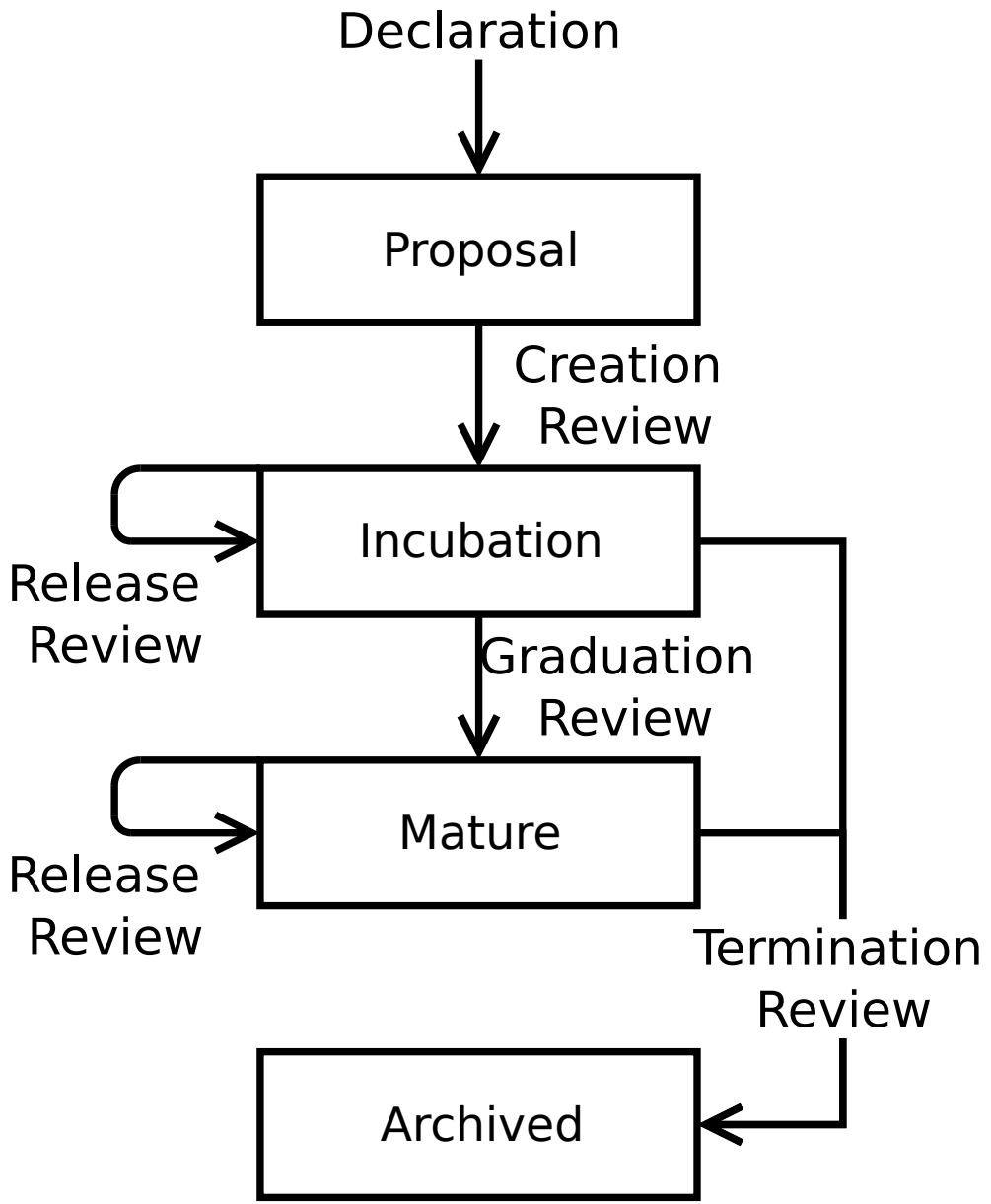
- Git/Gerrit will check for CLA/sign-off
- GitHub will warn if CLA or sign-off is missing
- Engage with IP Team if required

Contributor License Agreement

- Contributors must digitally sign the CLA
  - You have authored 100% of the content
  - You have the necessary rights
  - Provided under the license(s) associated with the particular Eclipse Foundation project
  - Your contributions are public
- Contributors must “sign-off” on each commit

https://www.eclipse.org/legal/CLA.php

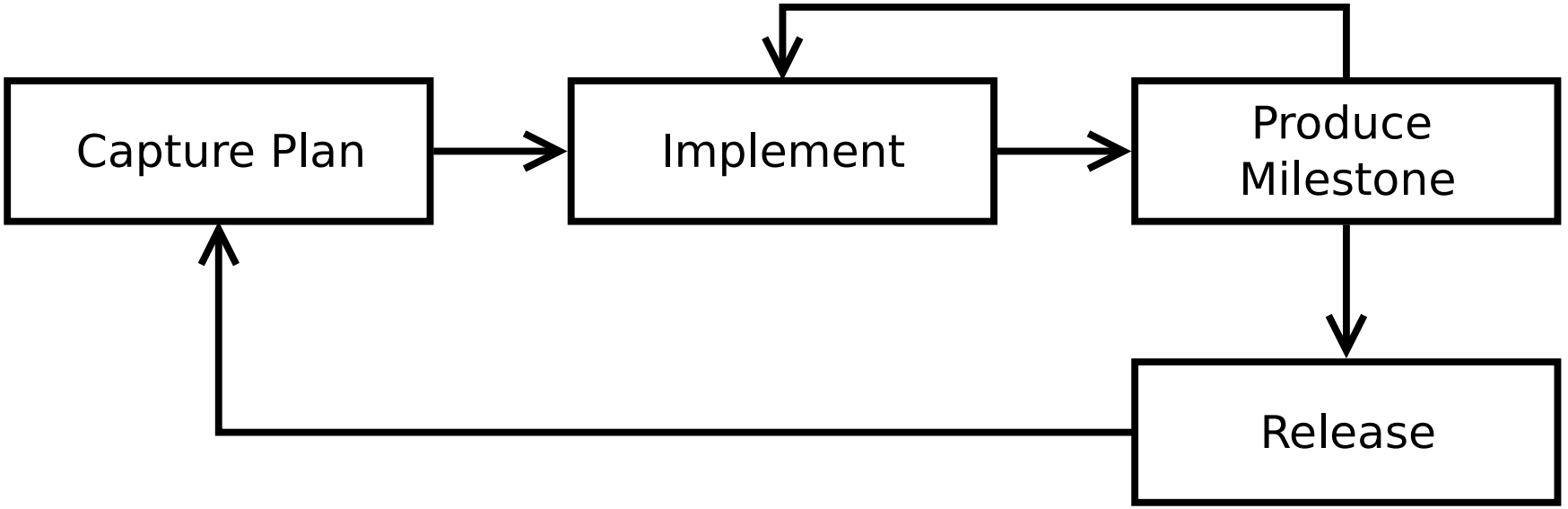
Project Lifecycle



Project Leadership

- Project lead(s)
  - Management, technical leadership
  - Primary liaison with PMC and EMO
- Project Management Committee (PMC)
  - Technical approval of IP contributions
  - Approval of releases
  - Project oversight, general responsibility
- EMO
  - Overall responsibility to manage processes and maintain services
  - Eclipse Foundation Staff, Architecture and Planning Councils

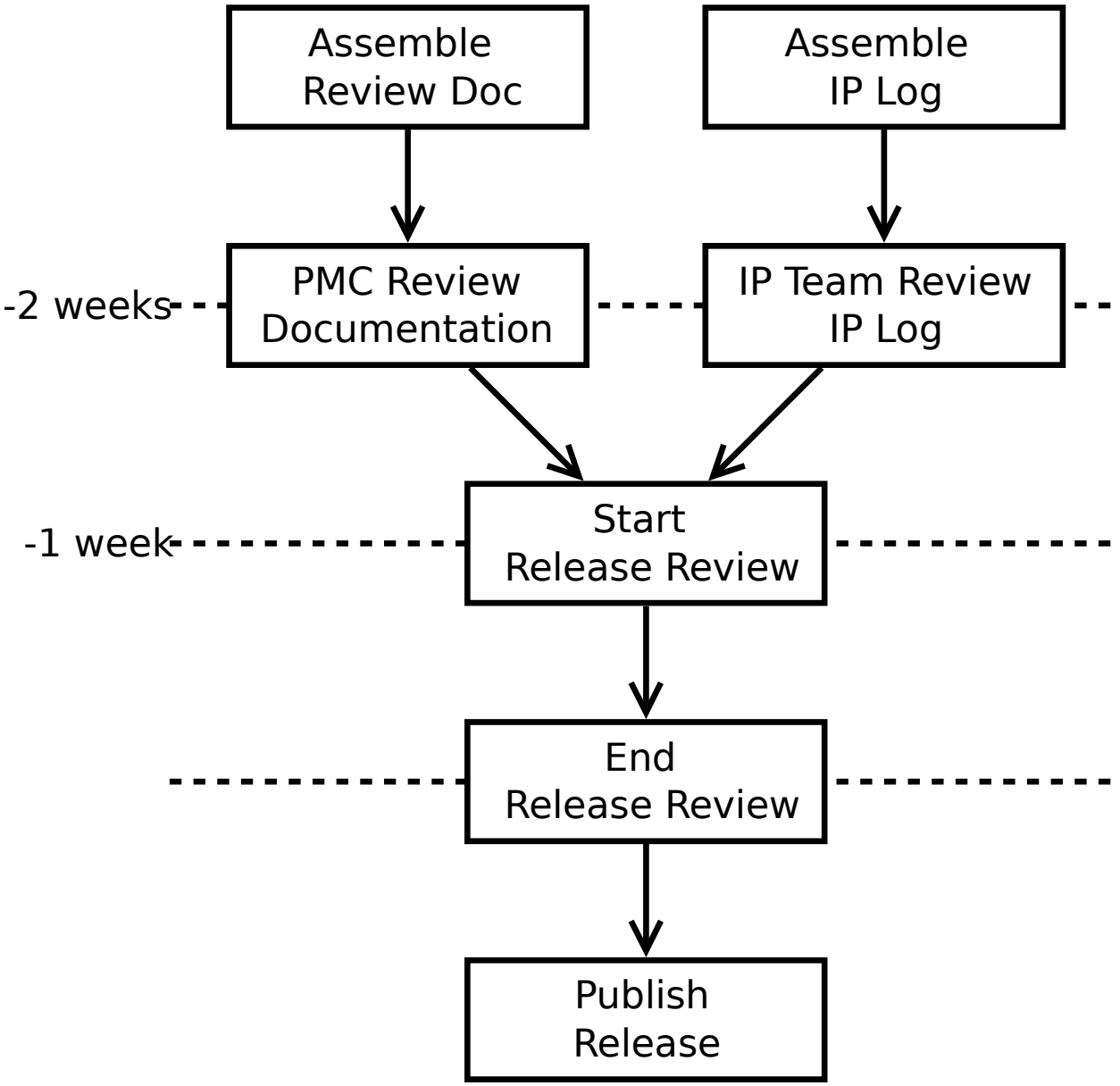
Releases



Release Review

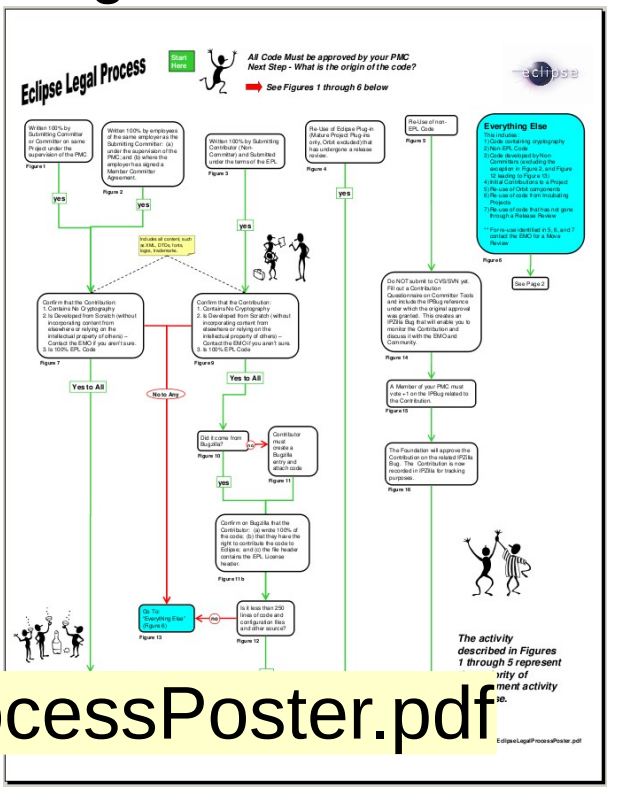
- Major/minor releases
  - Release review
  - IP Log approval
  - Plan to spend time planning/documenting release
- Service/Bugfix-only releases
  - No review
  - No IP Log approval

Release Review



Intellectual Property Due Diligence Process

- All code in project VCS or downloads
  - All third-party libraries must be vetted by the IP Team
  - Initial contribution
  - Many contributions must be vetted as well, e.g. >1KLOC
- Vetting
  - Known pedigree
  - Permissive license; compatible with project license (e.g. EPL)
- Due diligence process defined



http://eclipse.org/legal/EclipseLegalProcessPoster.pdf

IP Terms

- Initial Contribution
- Contribution Questionnaires (CQs)
- Piggyback CQ
- IPZilla
- Parallel IP

IT Services

- Connect with the Webmaster for IT support
  - Git repositories, builds, downloads
  - Permissions
- Connect via Bugzilla (Community)
- webmaster@eclipse.org

Eclipse Project Handbook

- All-in-one guide for project leads and committers
- Starting a new project
- Forge-specific variations:
  - eclipse.org/projects/handbook
  - eclipse.org/projects/handbook/polarsys.html
  - eclipse.org/projects/handbook/locationtech.html

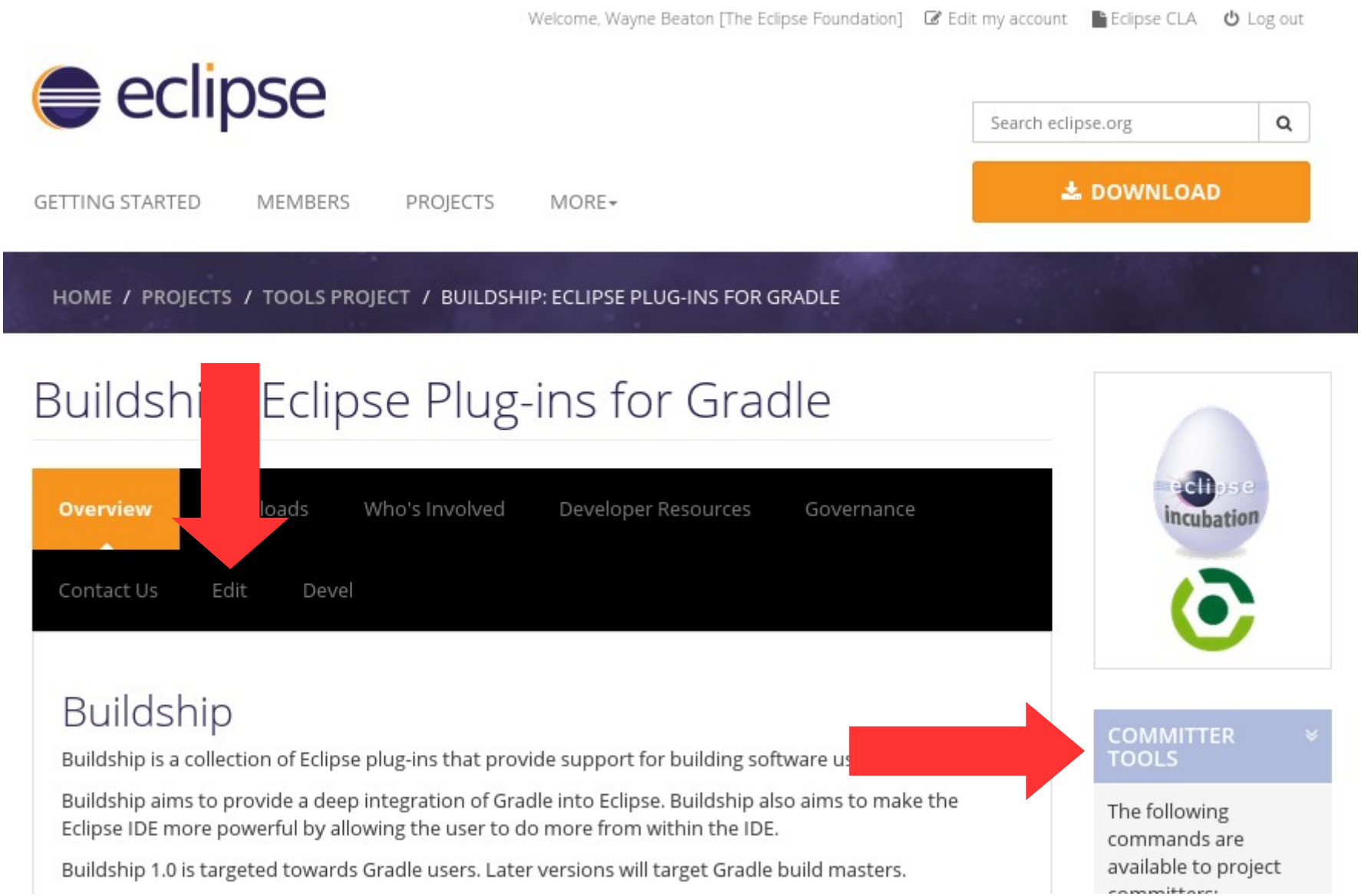
Incubation Mailing List

- Connect with other incubating projects
- Connect with mentors
- http://dev.eclipse.org/mailman/listinfo/incubation
- incubation@eclipse.org

Project Metadata

- Used for discovery and drives various processes and systems
  - e.g. IP Log generator, notices to members and committers
- Description, scope, logo, technology type
  - “Elevator pitch”
- Source code, builds, issue tracker
- Releases, relationships to other projects, build technologies

Project Metadata: The PMI



http://projects.eclipse.org/projects/<projectId>

Keep Project Information Up-to-date

- Project and release metadata, website, downloads
- Project code must be buildable
- Have a contribution guide
  - “Getting started”
  - CONTRIBUTING file in project repositories
  - https://bugs.eclipse.org/397644

Things that We Didn't Talk About

- Committer and Project Lead Elections
- Graduation from Incubation Phase
- Committer Paperwork
- Starting an open source project
- IP Logs

Links and Stuff (1/3)

- Cross Project Issues Dev mailing list
  - https://dev.eclipse.org/mailman/listinfo/cross-project-issues-dev
- Project-specific mailing lists
  - https://dev.eclipse.org/mailman/listinfo/<short-name>-dev
  - https://dev.eclipse.org/mailman/listinfo/<pmc-short-name>-pmc
- Development Resources
  - http://wiki.eclipse.org/Development_Resources

Links and Stuff (2/3)

- Eclipse Development Process
  - http://www.eclipse.org/projects/dev_process
- Committer Due Diligence Guidelines
  - http://www.eclipse.org/legal/committerguidelines.php
- Eclipse Project Handbook
  - http://www.eclipse.org/projects/handbook
- Contribution Guide
  - https://bugs.eclipse.org/bugs/show_bug.cgi?id=397644
  - http://git.eclipse.org/c/egit/egit.git/plain/SUBMITTING_PATCHES
  - http://wiki.eclipse.org/EGit/Contributor_Guide

Links and Stuff (3/3)

- Incubation Branding
  - http://wiki.eclipse.org/Development_Resources/HOWTO/Conforming_Incubation_Branding
- Handling Git/Gerrit Contributions
  - http://wiki.eclipse.org/Development_Resources/Handling_Git_Contributions
- Download Scanner
  - http://www.eclipse.org/projects/tools/downloads.php
- Bugzilla Contributions Review
  - http://www.eclipse.org/projects/tools/ip_contribution_review.php
- IP Logs
  - http://wiki.eclipse.org/Development_Resources/IP_Log
- IP Log Generator
  - http://wiki.eclipse.org/Development_Resources/Automatic_IP_Log
  - http://www.eclipse.org/projects/ip_log.php