



# **The Why and the How**

***Processes and Tools in Open Development***

***Collaboration***

**Sander van der Waal – OSS Watch**

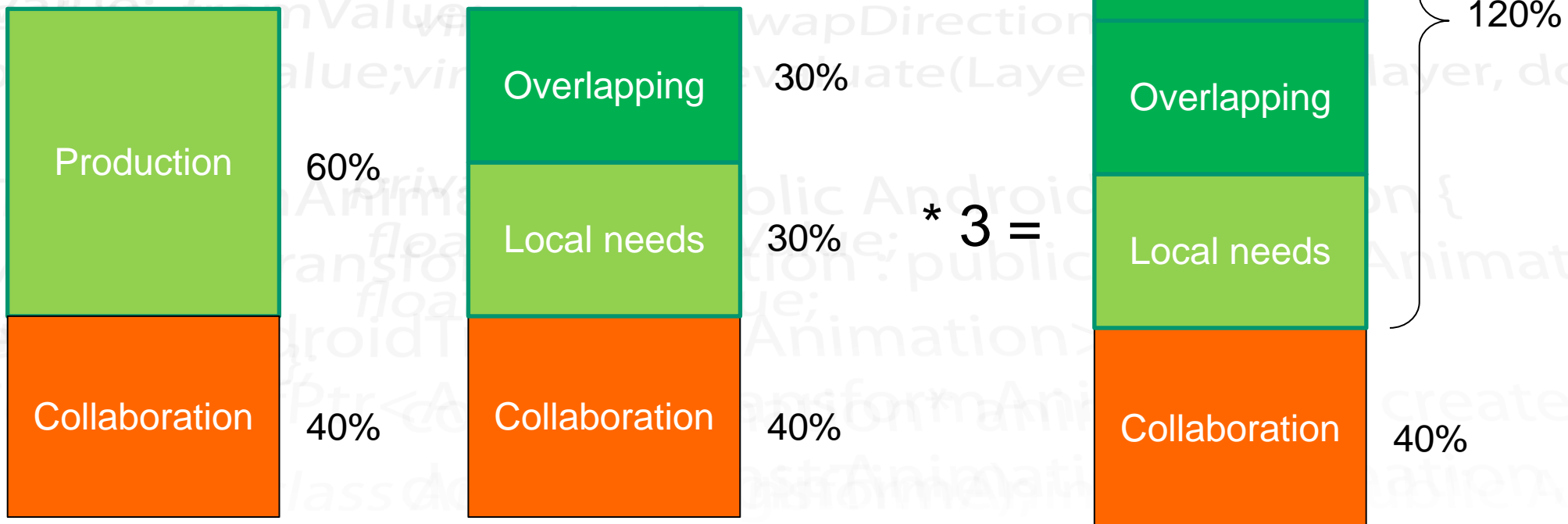
**Wolfson College 6 July 2011**



**JISC**

## Why collaborate?

$$\checkmark 1 + 1 + 1 \rightarrow 1.2 + 1.2 + 1.2$$



## What is the 40% collaboration effort?

- ✓ User experience
- ✓ User support
- ✓ Evangelism and Marketing
- ✓ Quality assurance
- ✓ Graphics and artwork
- ✓ Technical writing
- ✓ Translations



## Starters kit open development

- ✓ Choose a governance model
- ✓ Choose a licence
- ✓ Open up the development process

## **Governance Model: Benevolent Dictatorship**

### ✓ Decision making

- (Lazy) Community consensus

### ✓ Conflict resolution

- Benevolent Dictator, or lieutenants make a decision
- Because they have the respect of the community

### ✓ Sustainability

- Engage because you trust the benevolent dictator

## **Governance Model: Meritocracy**

- ✓ Decision making
  - (Lazy) Community consensus
- ✓ Conflict resolution
  - Those with merit decide
  - Because they have the respect of the community
- ✓ Sustainability
  - Engage because you respect and trust the meritocracy

## Choose a licence

- ✓ Only considering popular licences?
- ✓ Copyleft vs. Permissive?
- ✓ How to deal with patents?
- ✓ Jurisdiction?



## Licence differentiator

This tool attempts to help its users understand their own preferences in relation to free and open source software licences. It is no substitute for reading the licences themselves, and before placing any of your property under one of these licences, it is essential that you fully read and understand your chosen licence. The classifications of licence type that enable this tool to work are by necessity somewhat reductive, and therefore output of this tool cannot and must not be thought of as legal advice.

**REMEMBER: ALWAYS READ AND UNDERSTAND YOUR CHOSEN LICENCE.**

### Choice One

Do you want to limit the results to licences that the Open Source Initiative describe as being "popular and widely used or with strong communities"? This will guarantee that the licence will be 'mainstream' at the possible expense of some more esoteric but possibly useful characteristics.

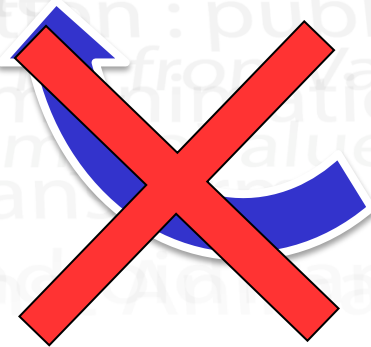
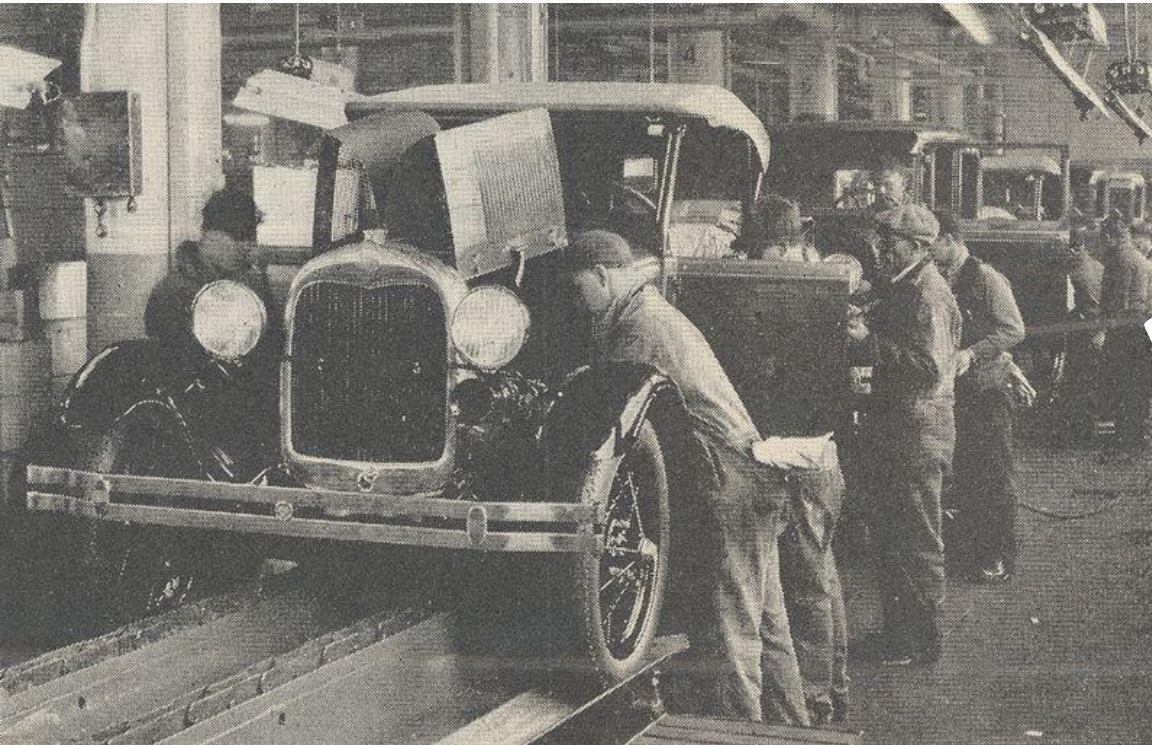
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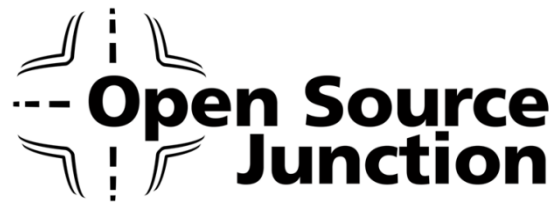
### Choice Two (a)

All Free and Open Source licences will allow others to make modified versions of your code, and to make these modified versions available to others. Your licence can make conditions about how this happens - specifically what licences can be used on these modified versions. These conditions can help keep your code free, but they can also put some people off reusing your code.

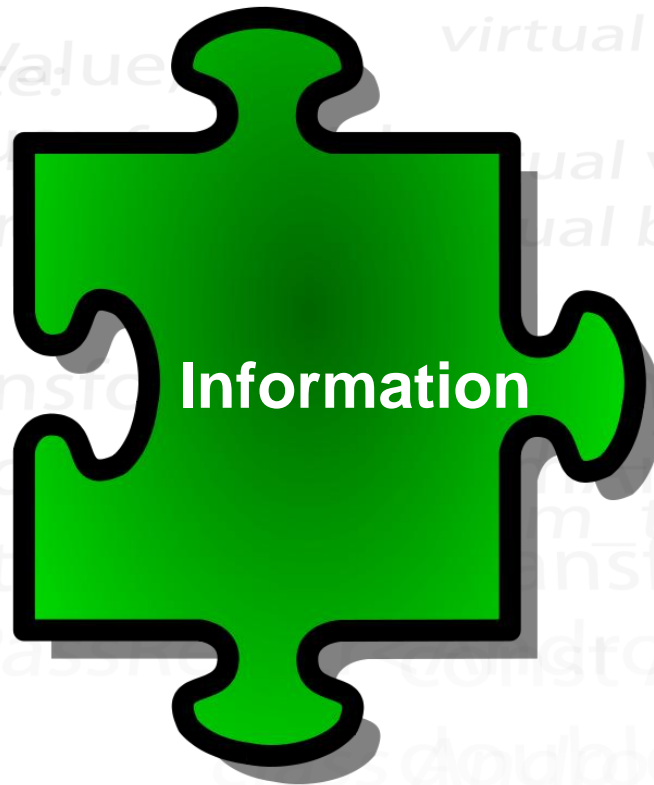
Do you want to include licensing conditions on reuse?  
If not, your licence will be one of the so-called 'permissive' licences.

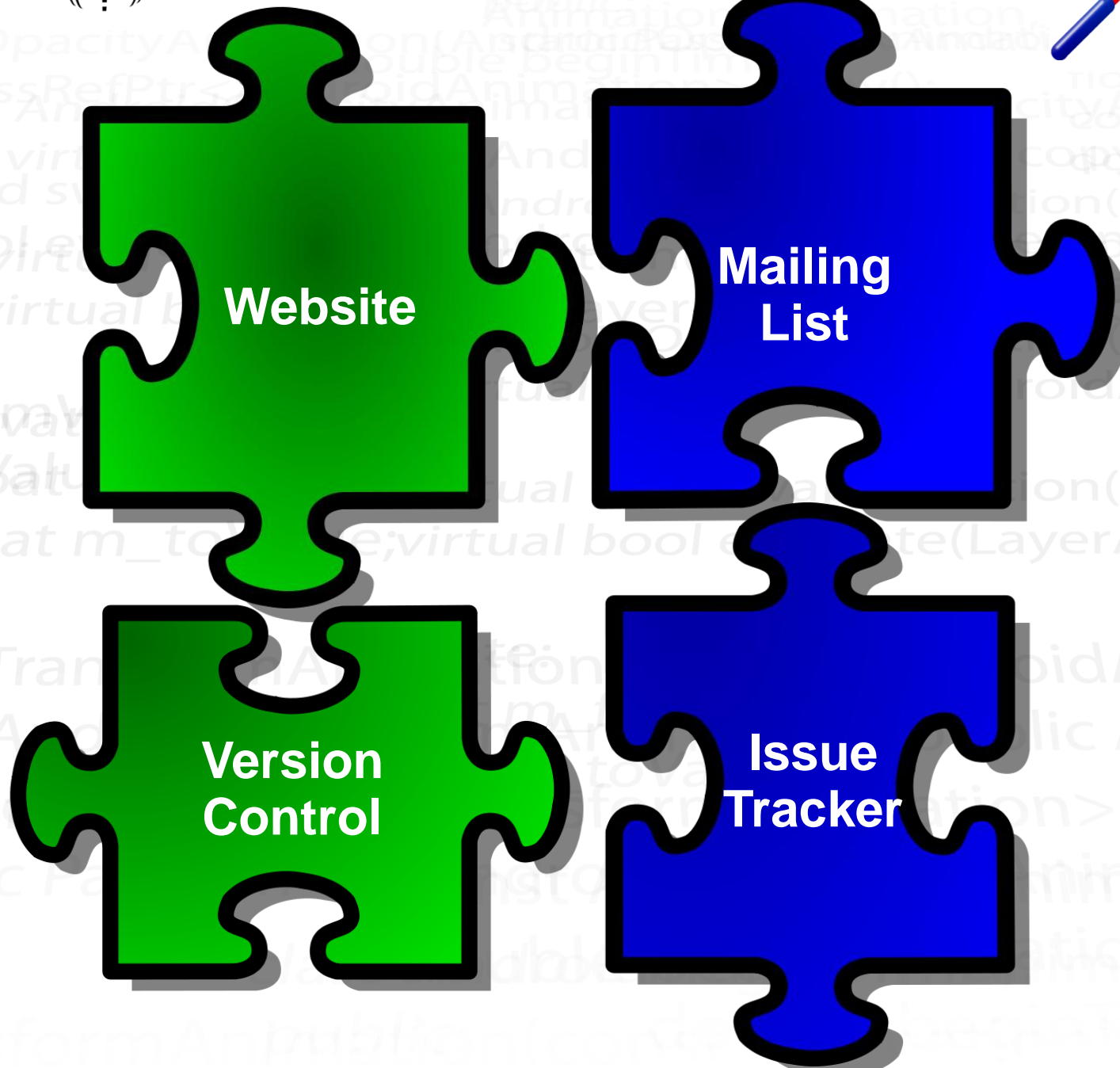
- Academic Free License 3.0 [No score]
- Adaptive Public License [No score]
- Affero GNU Public License [No score]
- Apache License 2.0 [No score]
- Artistic License 2.0 [No score]
- Attribution Assurance Licenses [No score]
- Boost Software License [No score]
- Common Development and Distribution License [No score]
- Common Public Attribution License 1.0 [No score]
- Common Public License 1.0 [No score]
- Eclipse Public License [No score]
- Educational Community License Version 2.0 [No score]
- Eiffel Forum License v2.0 [No score]
- European Union Public License [No score]
- Fair License [No score]
- GNU General Public License [No score]
- GNU General Public License v3.0 [No score]
- GNU Library or 'Lesser' General Public License [No score]
- GNU Library or 'Lesser' General Public License v3.0 [No score]
- Historical Permission Notice and Disclaimer [No score]
- IPA Font License [No score]
- ISC License [No score]
- Lucent Public License Version 1.02 [No score]
- MIT license [No score]
- Microsoft Public License [No score]



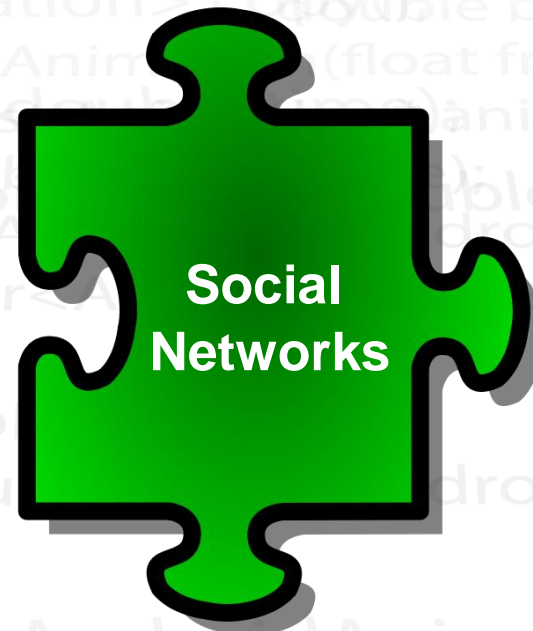


## Essential collaboration tools

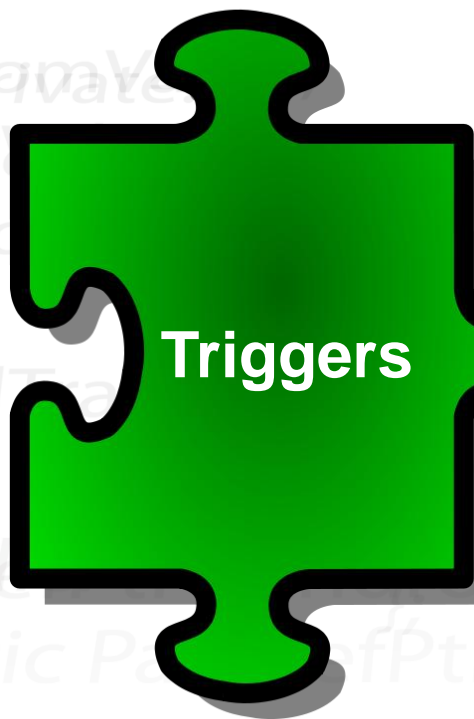




## Communication tools



**Integrate and automate**



## Typical open development process

<u>Process</u>	<u>Tool</u>
Record an issue	Issue tracker
Assign the issue to a developer	Issue tracker
Discuss intentions	Mailing list
Do the work as a committer	Version control
Do the work as a non-committer	Issue tracker
Mark the issue as complete	Issue tracker
Update documentation	Website



## Make your project known

- ✓ Choose code hosting
- ✓ Host a DOAP file
- ✓ Submit to Simal



## Project registry framework Simal

- ✓ Build project catalogues for projects & people
- ✓ Find links based on categories
- ✓ Increase awareness of projects and communities



Simal | DOAPizer

oss.ly/doap

Unique project tag: \*

Full name of project: \*   
*What is the full name of the project?*

Short project description (120 character pitch): \*   
*This short description should be simple so that any newcomer to the project can understand what the project is producing.*

Long project description (3-5 sentences): \*   
*This long description should provide an executive summary or scholarly abstract for the project.*

Project homepage: \*   
*e.g. workplace contact page, twitter or blog homepage.*

Project blog URL:   
*URL of the public blog.*

RSS2 or ATOM feed for project blog:   
*Please provide an URL for where your project blog feed is. Preferably an RSS2 or ATOM feed which both Blogger and WordPress provide.*

Primary programming languages used in the project:   
*(Comma separated list)*

Names, (main) roles and emails of all people working on or associated with project: \*

Type:	Name: *	Email: *	Personal homepage (empty for none):	URL link to a picture (empty for none):
<input type="text" value="Project director"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Project director"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text" value="Project director"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

atch



## Read more

Licence Differentiator  
<http://oss.ly/licdif>

Document on community tools  
<http://oss.ly/tools>

Submit your project to Simal  
<http://oss.ly/doap>

Simal project registry for OSS Watch  
<http://registry.oss-watch.ac.uk>