

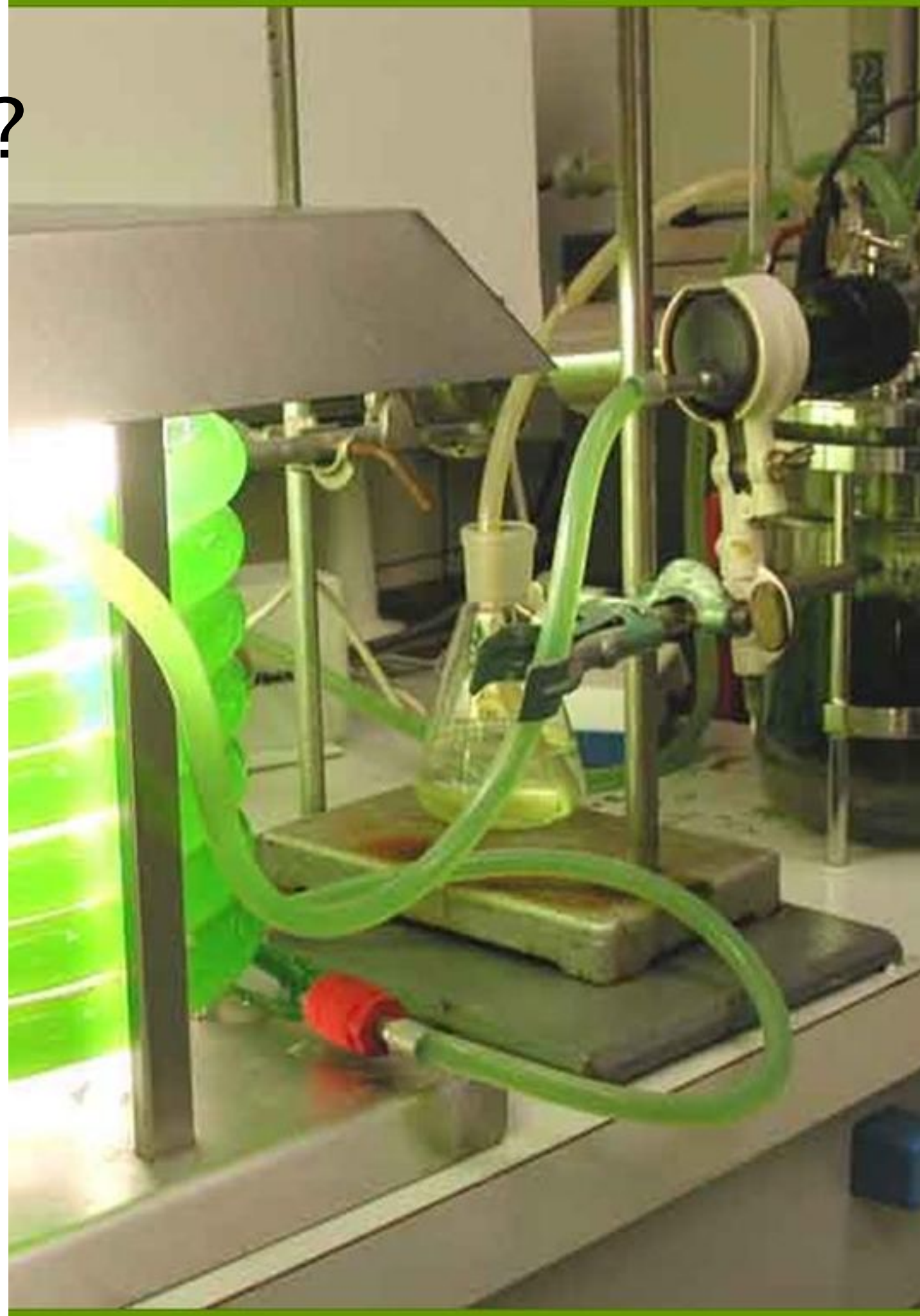
biohack academy
waag society

BioHack Academy
Documentation



Why document?

- Memory
- Structuring
- Sharing
- Improving
- Pride





GitHub

As easy as 1,2,3 & 4: Setup, create repo, fork repo and collaborate

[Explore](#) [Gist](#) [Blog](#) [Help](#)[PieterVanBoheem...](#)[PieterVanBoheemen](#)[News Feed](#)[Pull Requests](#)[Issues](#)

GitHub Bootcamp



1



Set up Git

A quick guide to help you get started with Git.

2



Create repositories

Repositories are where you'll work and collaborate on projects.

3



Fork repositories

Forking creates a new, unique project from an existing one.

4



Work together

Send pull requests, follow friends. Star and watch projects.



You've been added to the **waagsociety** organization!

Here are some quick tips for a first-time organization member.

- Use the switch context button in the upper left corner of this page to switch between your personal context (**PieterVanBoheemen**) and organizations you are a member of.
- After you switch contexts you'll see an organization-focused dashboard that lists out organization repositories and activities.

[defunkt](#)

Announcing GitHub Enterprise 2.1.0



LDAP Sync, support for OpenStack KVM, instance monitoring, and more.

[View 51 new broadcasts](#)

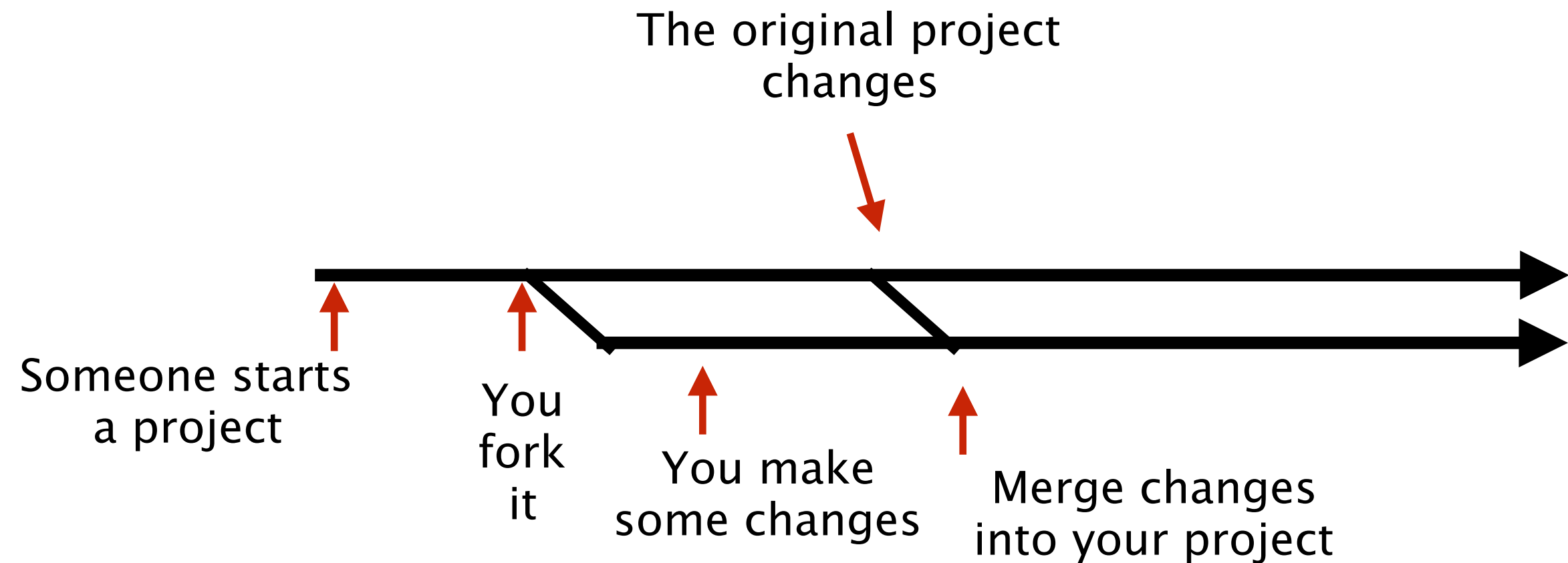
Your repositories **2**

[+ New repository](#)



Features of Github

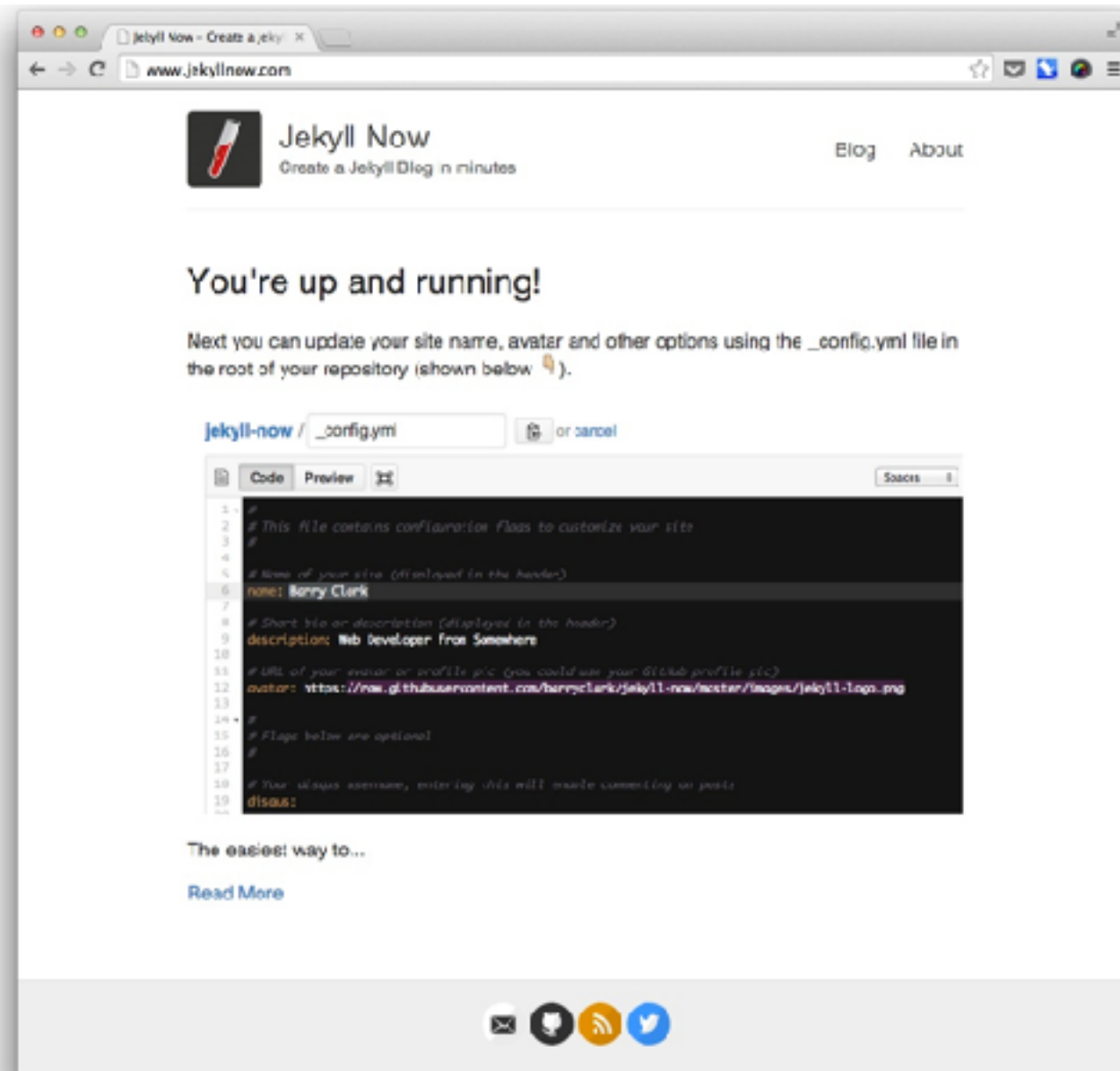
- Collaboration
- Version tracking
- Issue tracking
- Forking





Creating a Jekyll Github page

Jekyll allows you to create a „blog” type website on Github quickly



Follow this guide to get started:

[https://github.com/BioHackAcademy/
BHA_DocumentationSite](https://github.com/BioHackAcademy/BHA_DocumentationSite)



Mark down language

Jekyll recognizes Mark Down language that you can use to layout your text

Mou

![Mou icon](http://mouapp.com/Mou_128.png)

Overview

Mou, the missing Markdown editor| for *web developers*.

Syntax

Strong and Emphasize

strong or strong (Cmd + B)

emphasize or emphasize (Cmd + I)

**Sometimes I want a lot of text to be bold.
Like, seriously, a LOT of text**

Blockquotes

> Right angle brackets > are used for block quotes.

Links and Email

An email <example@example.com> link.

Simple inline link <http://chenluois.com>, another inline link [Smaller](http://smallerapp.com), one more inline link with title [Resize](http://resizesafari.com "a Safari extension").

A [reference style][id] link. Input id, then anywhere in the doc, define the link with corresponding id:

Mou



Overview

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“

Right angle brackets > are used for block quotes.



Join BioHack Academy group

Email your Github name to pieter@waag.org

The screenshot shows the GitHub profile page for BioHackAcademy. At the top, there's a search bar and navigation links like 'Explore', 'Gist', 'Blog', and 'Help'. The profile header includes the BioHackAcademy logo and name, along with a settings gear icon. Below the header, there's a 'Filters' dropdown and a search bar for repositories. A green button labeled '+ New repository' is visible. The main content area shows the repository 'BioHackAcademy.github.io' with a description: 'Build a Jekyll blog in minutes, without touching the command line.' It also shows the repository was forked from 'PieterVanBoheemen/PieterVanBoheemen.github.io' and was updated a minute ago. On the right sidebar, there's a 'People' section with a link to 'PieterVanBoheemen' and an 'Invite someone' button. Below that is a 'Teams' section with a search bar and a list of owners.

BioHackAcademy

BioHackAcademy.github.io CSS ★ 0 2,798

🍴 forked from [PieterVanBoheemen/PieterVanBoheemen.github.io](#)

Build a Jekyll blog in minutes, without touching the command line.

Updated a minute ago

People 1 >

PieterVanBoheemen

Invite someone

Teams 1 >

Jump to a team

Owners

1 member · 1 repository

In case you choose a different platform:
send me the link as well!



Documentation sites

BHA3:

- <http://biohackacademy.github.io/bha3/participants/documentation/>

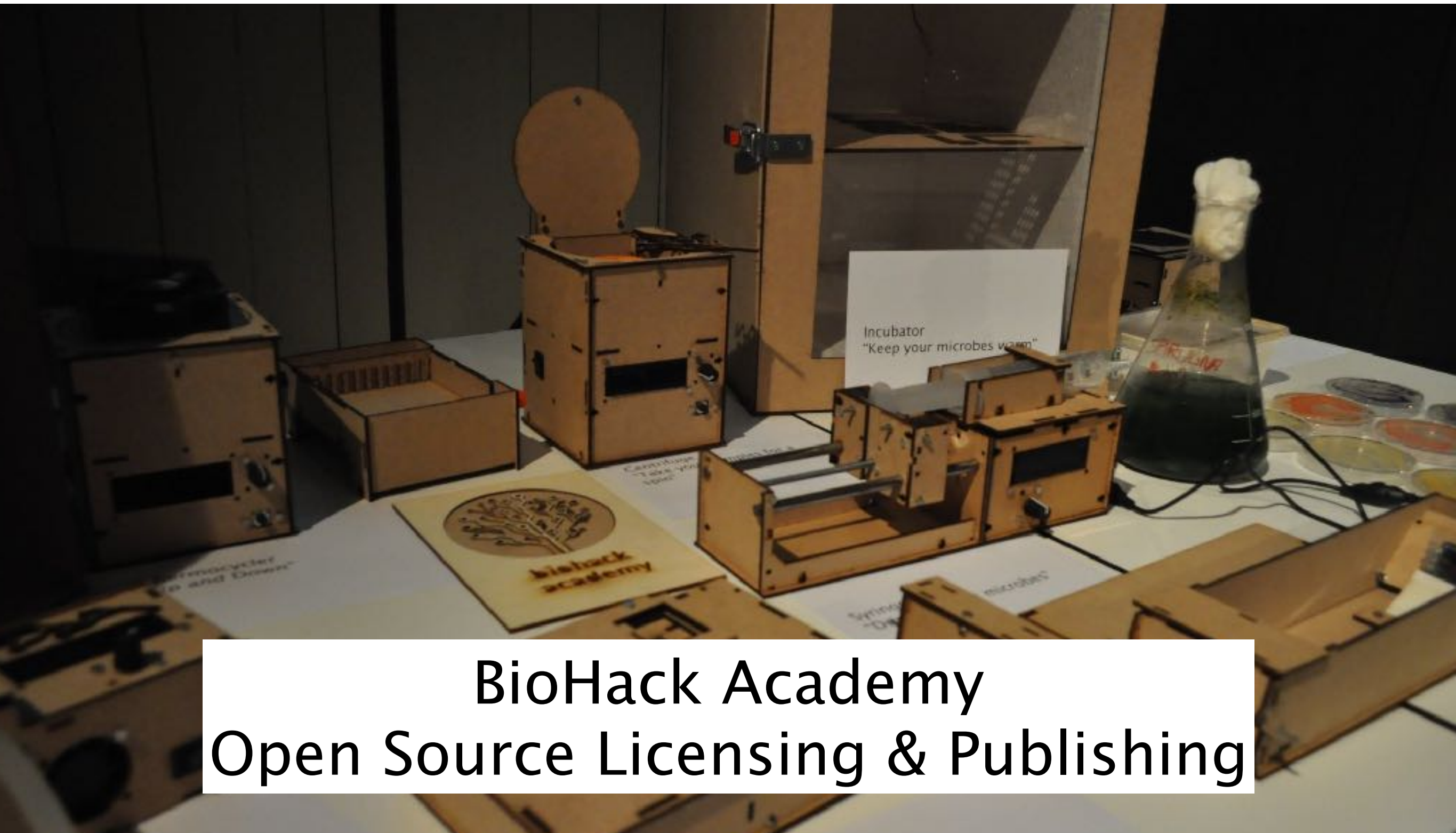
Previous editions:

- <http://biohackacademy.github.io/biofactory/participants/documentation/>
- <http://biohackacademy.github.io/bha2/participants/documentation/>



waag society

institute for art, science and technology



BioHack Academy
Open Source Licensing & Publishing



Intellectual Property

In Flanders Fields
—
In Flanders fields the poppies grow
Between the crosses, row on row
That mark our place: and in the sky
The birds that bravely sing, fly
Scarce heard amid the guns below.

We are the Dead. Short days ago
We lived, felt dawn, saw sunset glow,
Loved, and were loved, and now we lie
In Flanders fields.

Take up our quarrel with the foe:
To you from failing hands we throw
The torch; be yours to hold it high!
If ye break faith with us who die
We shall not sleep, though poppies grow
In Flanders fields.

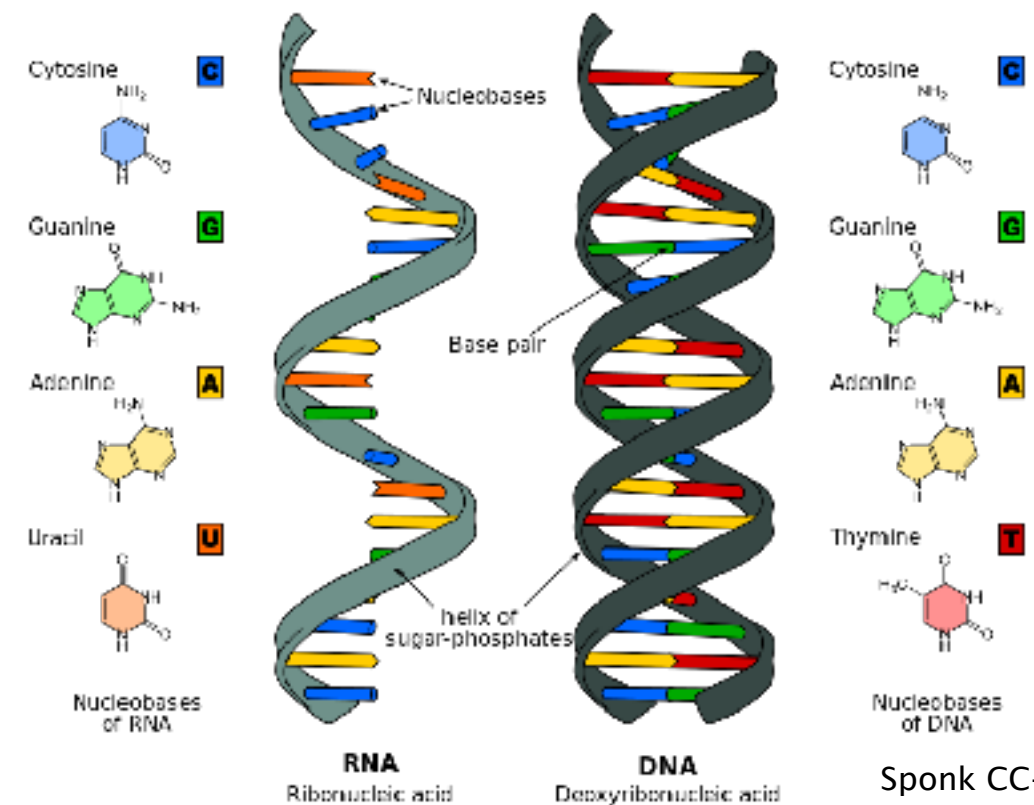
John McCrae

Turns on an LED on for one second, then off for one second, repeats.

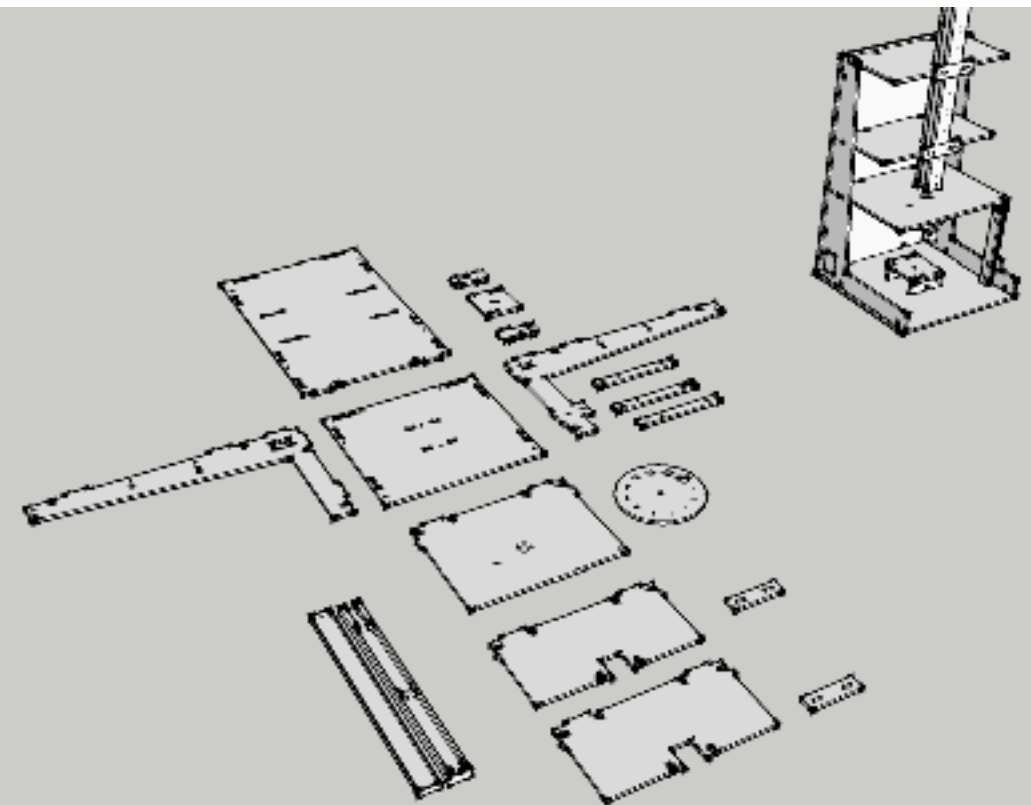
This example code is in the public domain.

*/

```
void setup() {  
  // initialize the digital pin as an output.  
  // Pin 13 has an LED connected on most Arduino boards:  
  pinMode(13, OUTPUT);  
}  
  
void loop() {  
  digitalWrite(13, HIGH); // set the LED on  
  delay(1000);           // wait for a second  
  digitalWrite(13, LOW); // set the LED off  
  delay(1000);           // wait for a second  
}
```



Sponk CC-BY-SA 3.0





The age of conquest





Public Domain

- Free for everyone
- No rights reserved





Creative Commons

- SA: Share Alike
 - BY: Attribution
 - NC: Non commercial
 - ND: No Derivatives
-
- Versions





GPL

GNU Public License

Right to:

- Copy
- Modify
- Distribute
- Sell
 - along with GPL

License has to be
included in code

Viral clause





MIT

Minimal type

Right to:

- Use
- Copy
- Modify
- Sell
- Distribute

Attach the license

Viral clause





BioBricks Public Agreement

- DNA is not code
- Biology is not software
- Contract based
- Contribution
- No viral clause
- No share alike



BioBrickTM
PUBLIC
AGREEMENT



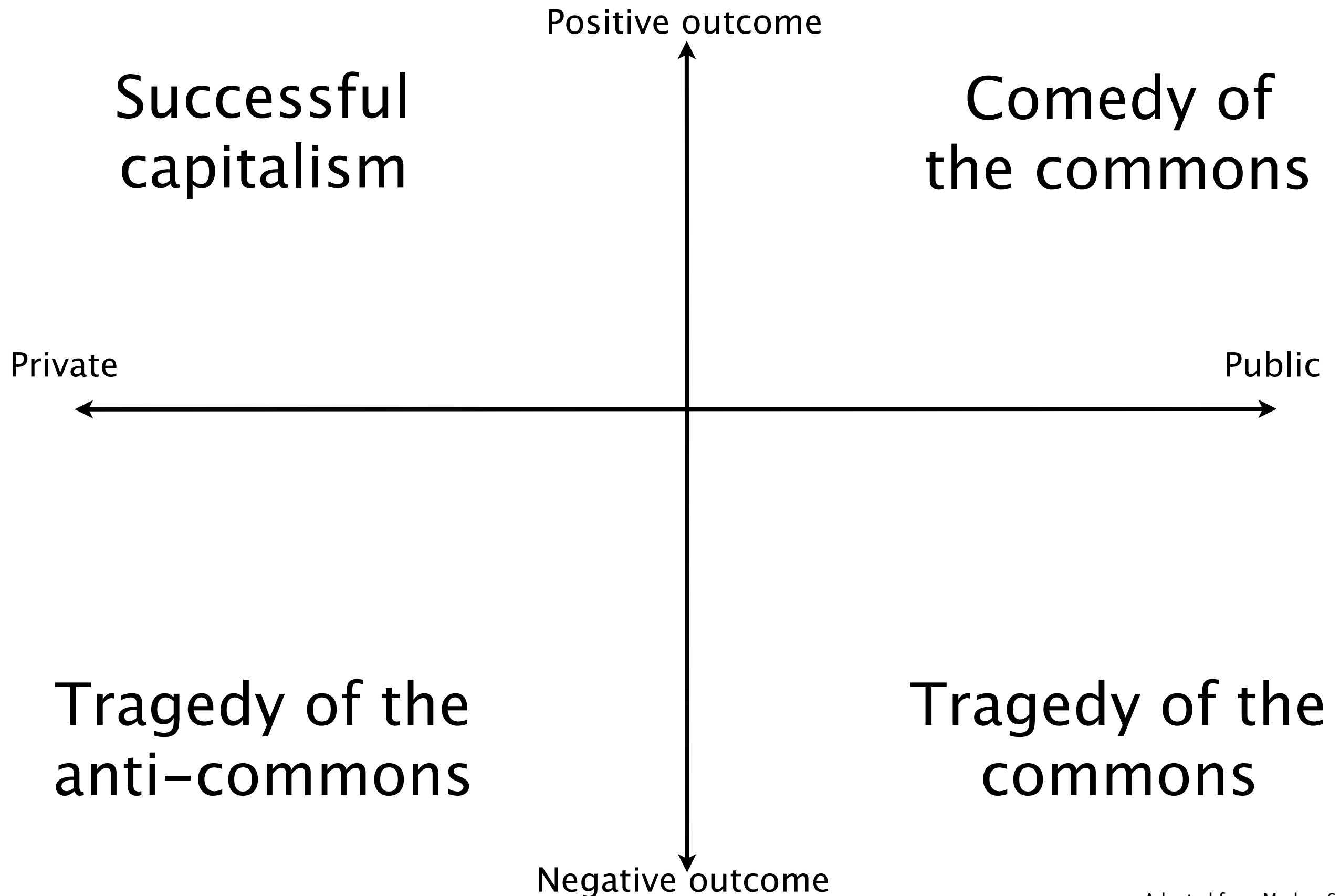
CAMBIA BIOS

- Open access to private patents
- Improvements open to CAMBIA

BIOS



Do we need a commons?





How to make money in/despite of the commons?





Why pharma is not open source?

- Difficult to invent around compound
- Culture





Biocommons

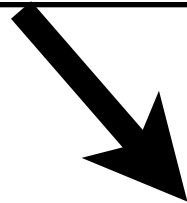
Picture by Pixelache



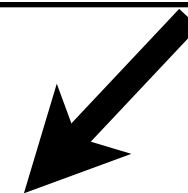


Biological Enclosures

Private Enclosure	Public Enclosure
WTO, IP Rights	Prior Informed Consent, Access Benefit Sharing, Mutually Agreed Terms
Increased Costs Increased Regulatory Burden	Difficult Access to Resources Lack of Research



Bio Piracy





Additional resources

- Software licences
 - <https://opensource.org/licenses/category>



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