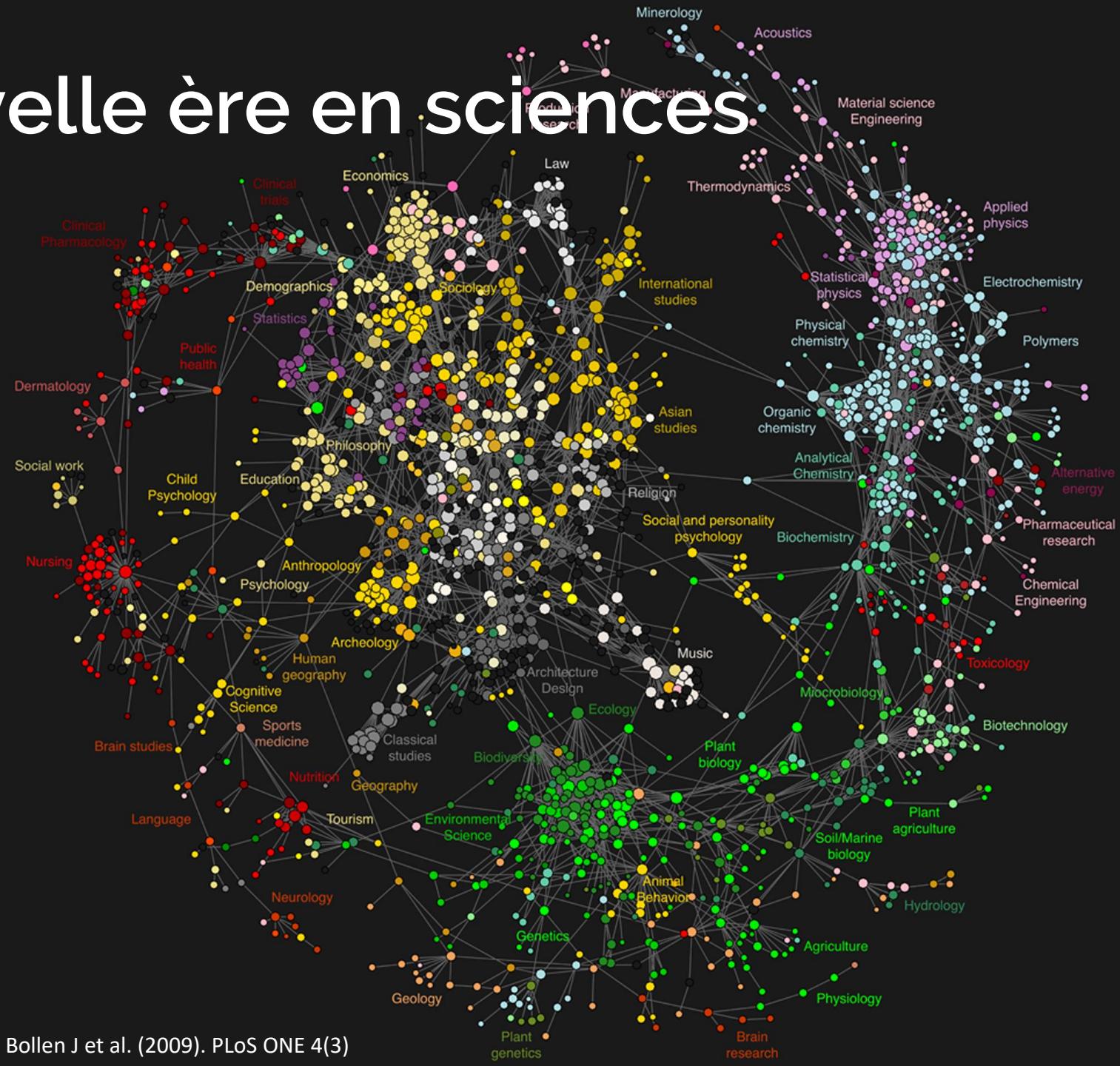


The background image is a high-resolution aerial photograph of a coastal area. The left side shows a large expanse of brown, textured land, likely a mix of vegetation and soil. The right side features a vibrant blue body of water with several small, scattered white spots, possibly indicating shallow reefs or sandbars. The overall composition is a wide-angle shot capturing the interface between land and sea.

SCIENCE IN THE OPEN

How to better promote your research

Une nouvelle ère en sciences



Une nouvelle ère technologique



La réalité

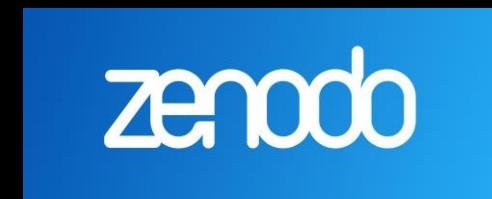


Nos outils collaboratifs...



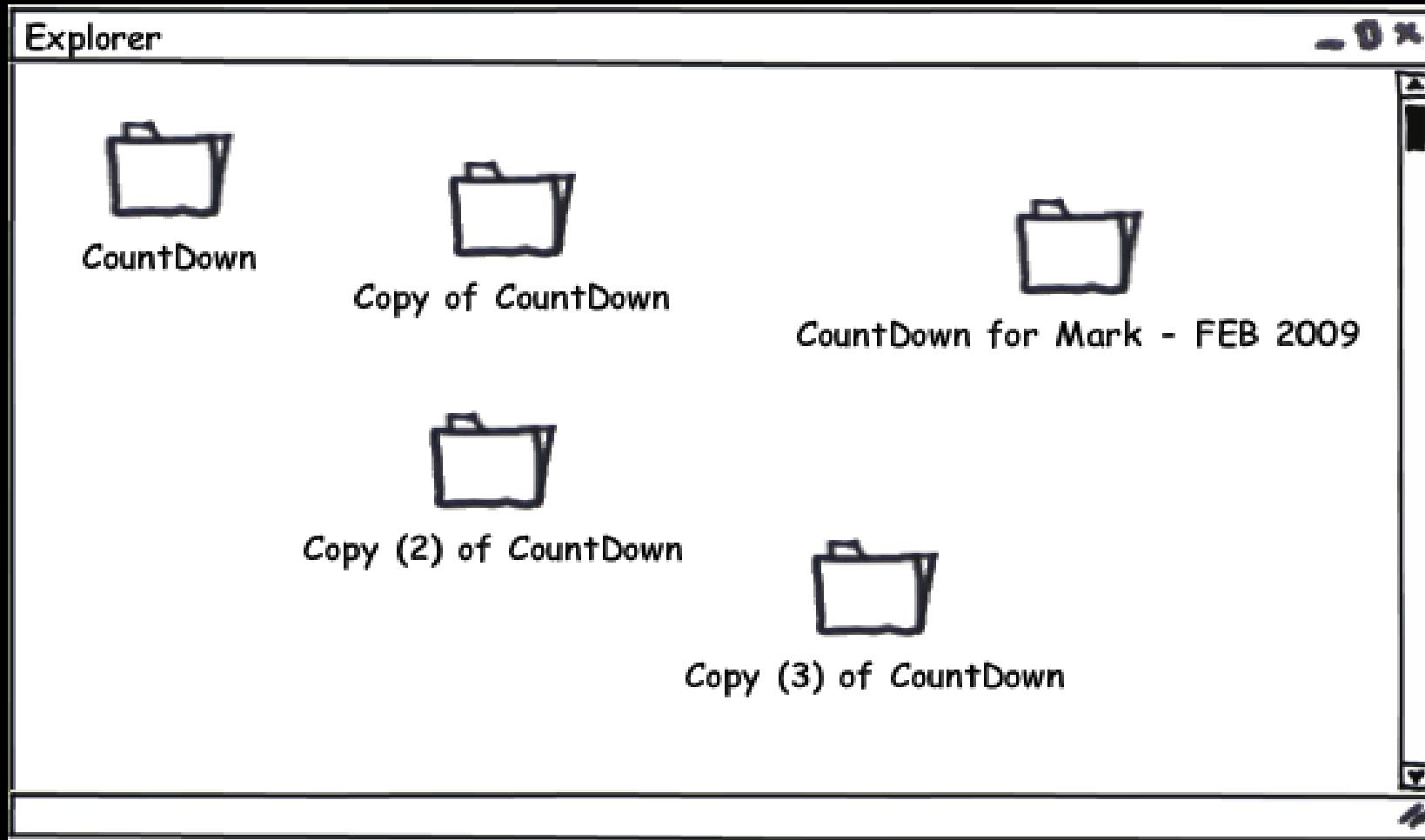


R*OpenSci*



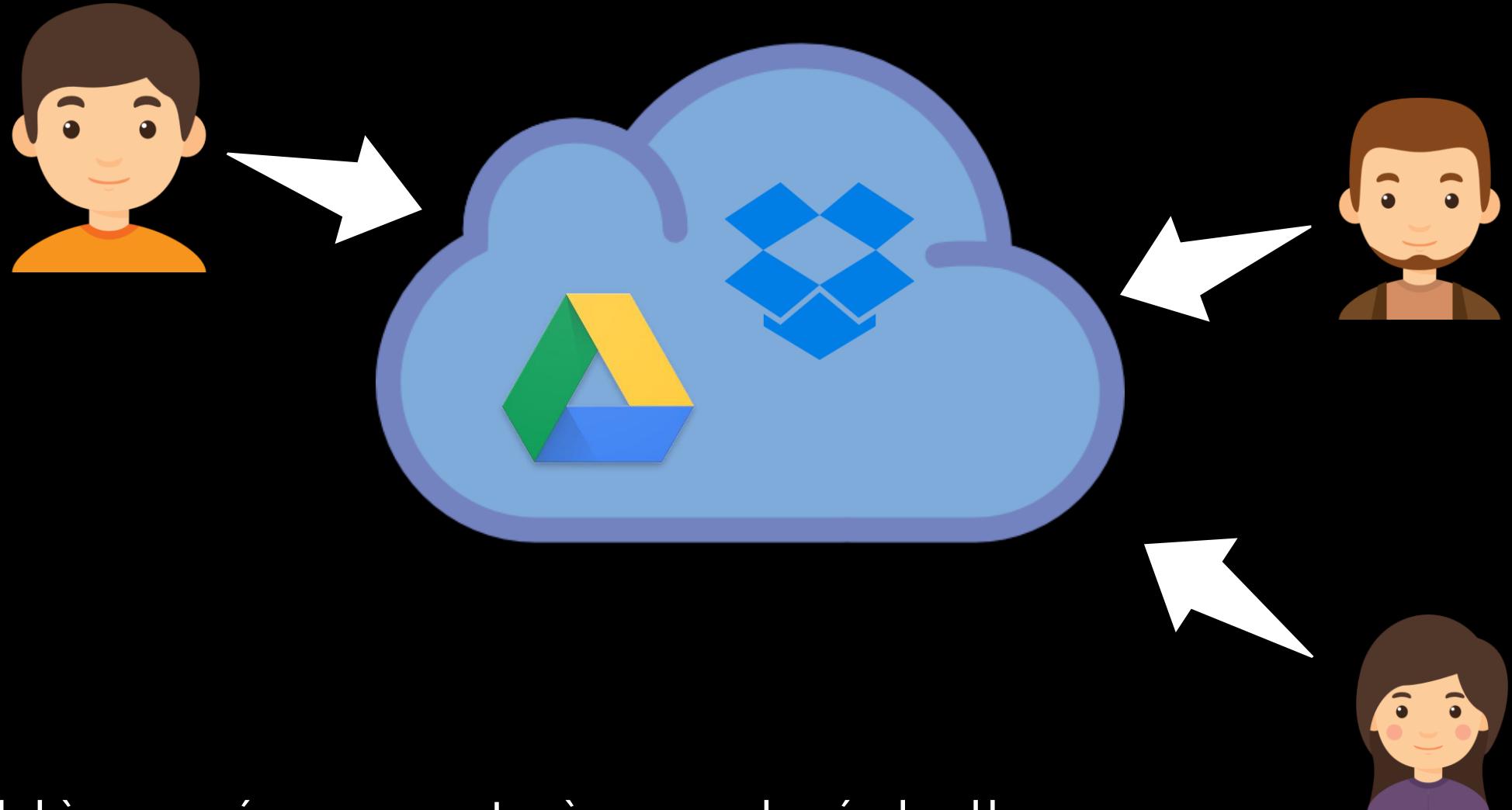
1- L'écriture

Nos fichier





Problèmes émergents à grande échelle...



Problèmes émergents à grande échelle...



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- 1) Agnostique → Latex, HTML, word
- 2) Formate à votre place
- 3) Inclus: Manuscrit + données + code
- 4) GIT
- 5)...



Start writing now.

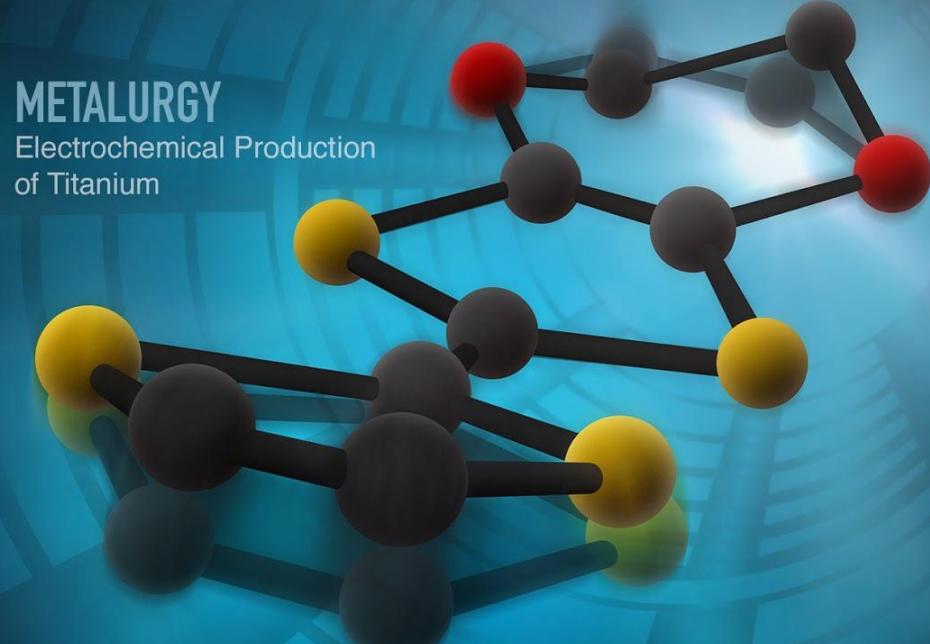
28 March 2013 www.nature.com/nature \$10

INTERNATIONAL WEEKLY JOURNAL OF SCIENCE

nature

METALURGY

Electrochemical Production
of Titanium



FUNCTIONAL GENOMICS

Chemists Join the Action

POSTDOCS

A Good Career Move?

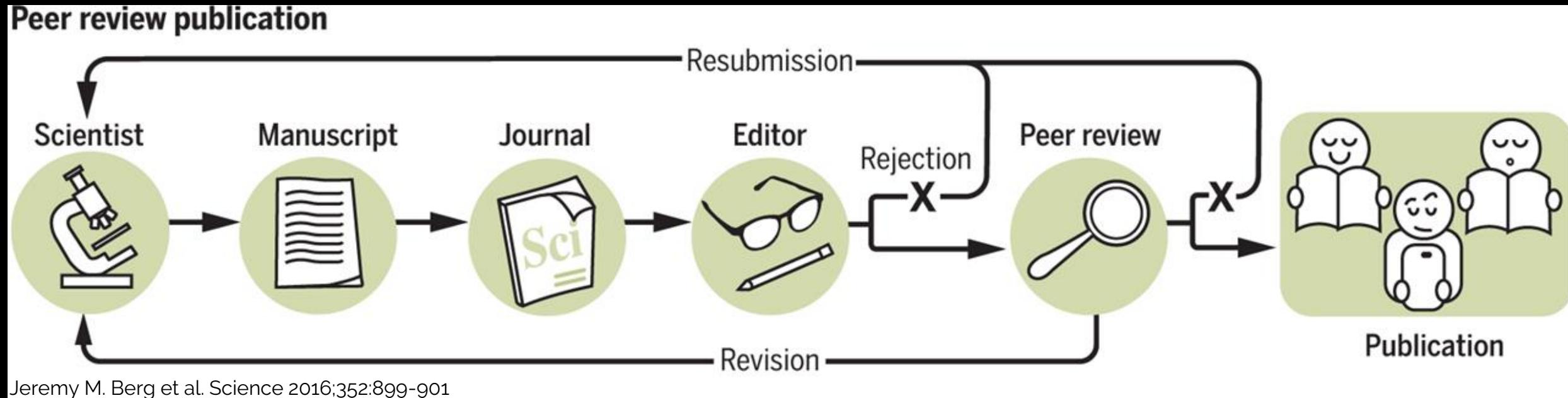
ELECTRON DENSITY SURFACE CAPTURED

A Tunable Lightsource for
Bio-friendly Nanophonics



Flickr: Albert

Le processus de publication



Efficace?

Une révolution de la publication?

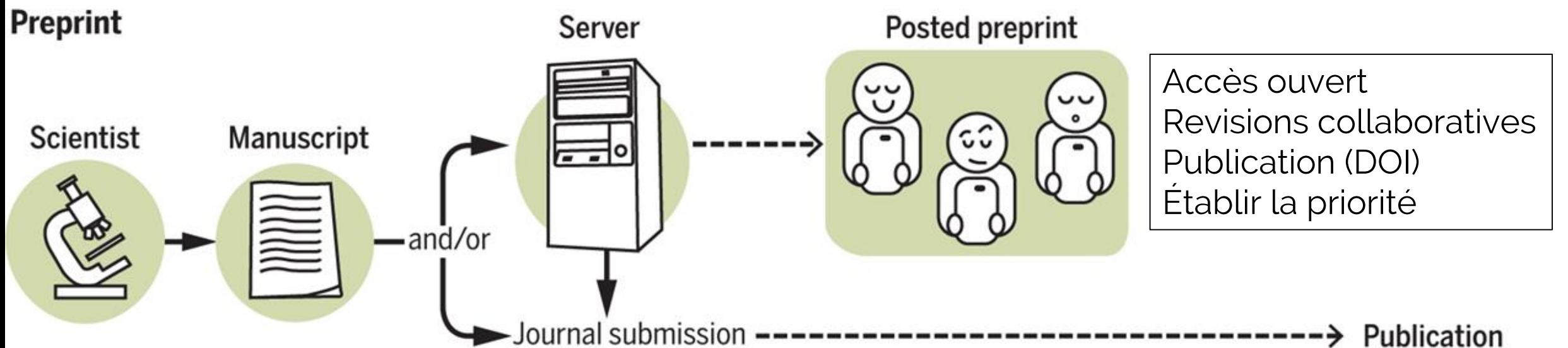
A screenshot of a Medium post by Timothée Poisot. The post title is "Stop submitting papers." The author's profile picture is a young man with dark hair, smiling. His name is Timothée Poisot, followed by a green "Follow" button. Below his name is the text "Ecologist. Not that kind of doctor." and "Oct 13 · 3 min read".

Stop submitting papers.



<https://medium.com/@tpoi/stop-submitting-papers-32db87b3f975#.d9b0w28ko>

Les « preprints »



Une révolution de la publication?

Super! mais c'est légal?

- 1) *Pre-print* → La quasi totalité
- 2) *Post-print* → La grande majorité
- 3) *PDF version*

Comment vérifier?

<http://www.sherpa.ac.uk/>

Super! mais c'est légal?

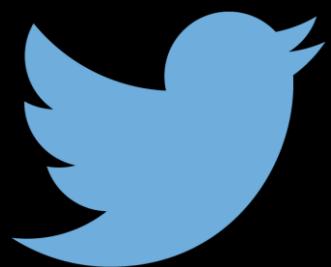
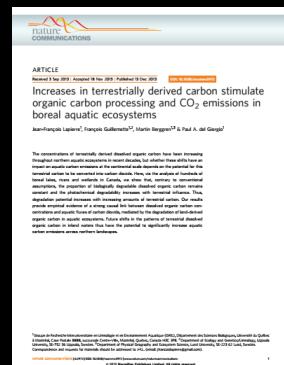
1) *Pre-print* → La quasi totalité

2) *Post-print* → La grande majorité

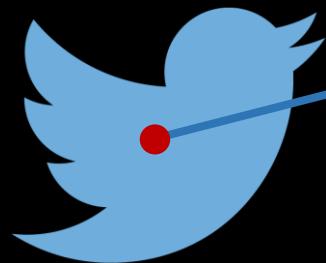
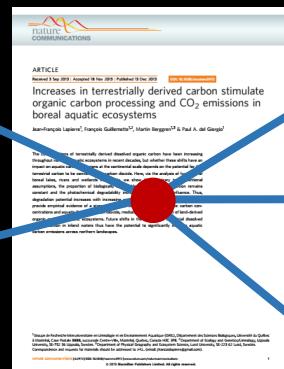
3) *PDF version*

Comment vérifier?

<http://www.sherpa.ac.uk/>

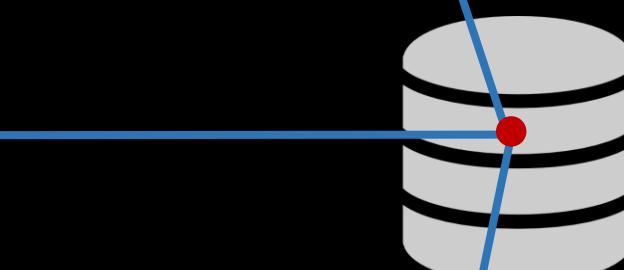
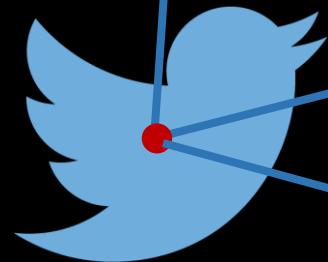
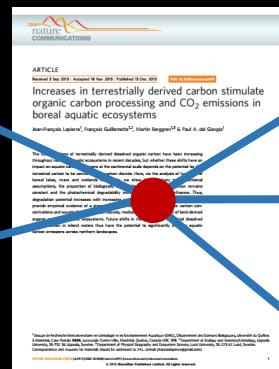


```
~/GitHub/meduse - RStudio
File Edit Code View Plots Session Build Debug Tools Help
File Edit Code View Plots Session Build Debug Tools Help
data x map.R x zoo_croche.r x GIS x Untitled1* x
Source on Save Go to file/function Run Source
1 rm(list=ls(all=TRUE))
2 # Loading the required packages
3 library(ggplot2)
4 library(ggmap)
5
6 dms2dec <- function(dms, separators = c("°", "′", "\"", "''")) {
7   # version 1.0 (25 Sep 2013)
8   # dms: a vector (or column) of latitude or longitude in degrees-minutes-seconds-hemisphere
9   # separators: the characters that are separating degrees, minutes and seconds in dms
10
11   dms <- as.character(dms)
12   dms <- gsub(pattern = "'", replacement = "", x = dms)
13   for (s in separators) dms <- gsub(pattern = s, replacement = "_splitHere_", x = dms)
14
15   splits <- strsplit(dms, split = "_splitHere_")
16   n <- length(dms)
17   deg <- min <- sec <- hem <- vector("character", n)
```



```
rm(list=ls(all=TRUE))
# Loading the required packages
library(ggplot2)
library(ggmap)

dms2dec <- function(dms, separators = c("°", "‘", "\‘", "\‘")) {
  # version 1.0 (25 Sep 2013)
  # dms: a vector (or column) of latitude or longitude in degrees-minutes-seconds-hemisphere
  # separators: the characters that are separating degrees, minutes and seconds in dms
  dms <- as.character(dms)
  dms <- gsub(pattern = "°", replacement = "", x = dms)
  for (s in separators) dms <- gsub(pattern = s, replacement = "_splitHere_", x = dms)
  splits <- strsplit(dms, split = "_splitHere_")
  n <- length(dms)
  deg <- min <- sec <- hem <- vector("character", n)
```



```
rm(list=ls(all=TRUE))
# Loading the required packages
library(ggplot2)
library(raster)
dms2dec <- function(dms, separators = c("°", ":", "\\", "-")) {
  # version 1.0 (25 Sep 2012)
  # dms: a vector (or column) of longitude in degrees-minutes-seconds-hemisphere
  # separators: the characters that are separating degrees, minutes and seconds in dms
  dms <- as.character(dms)
  dms <- gsub(pattern = "", replacement = "", x = dms)
  for (s in separators) dms <- gsub(pattern = s, replacement = "_splitHere_", x = dms)
  splits <- strsplit(dms, split = "_splitHere_")
  n <- length(dms)
  deg <- min <- sec <- hem <- vector("character", n)
```

Les données ouvertes

Pourquoi ouvrir mes données?

1

Imputabilité/
Réplicabilité

2

Favoriser les
Collaborations

3

Efficacité/visibilité de
la recherche

4

GBS
(Gros Bon Sens)

Crainte....

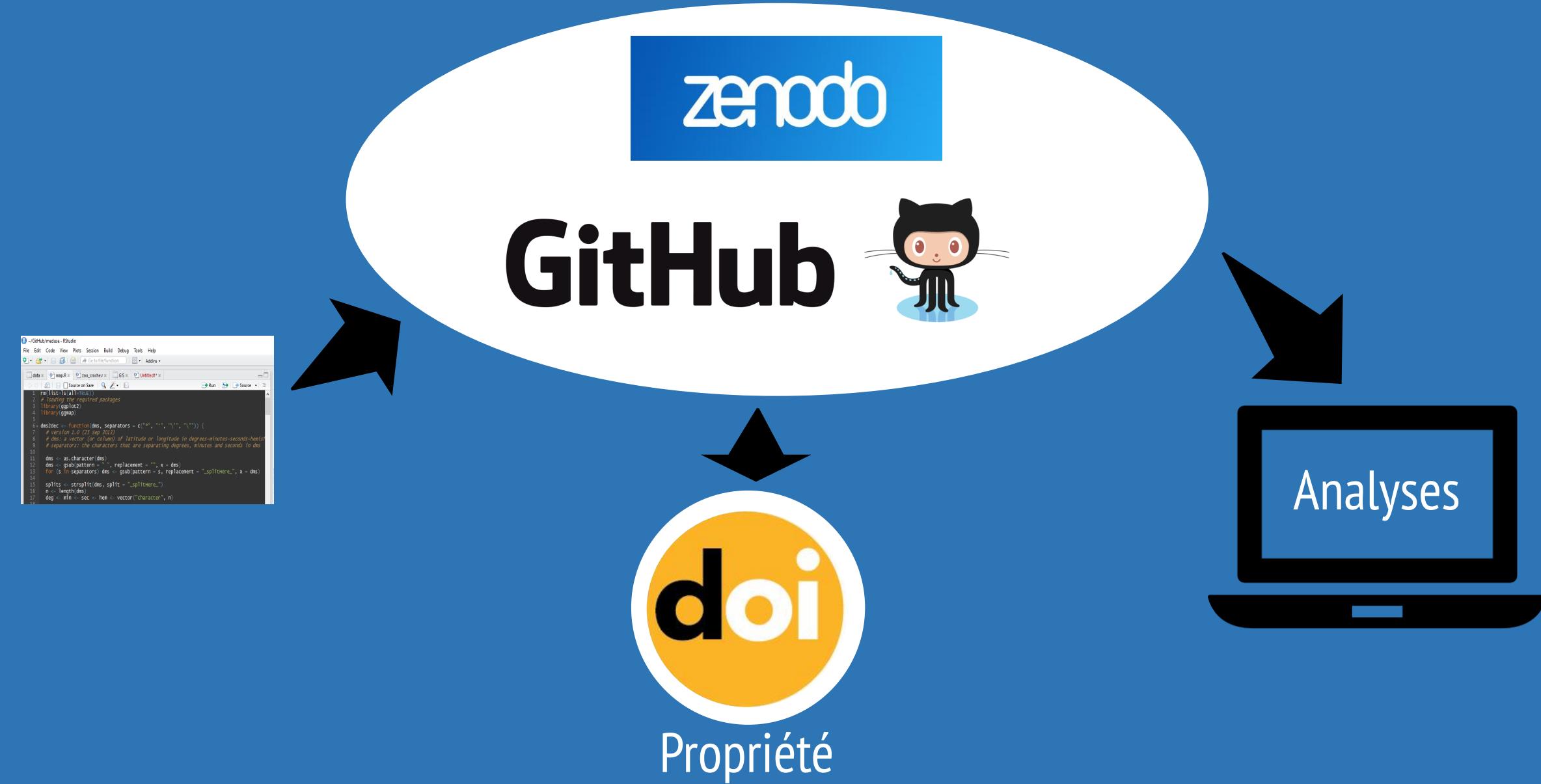


Qualité des données

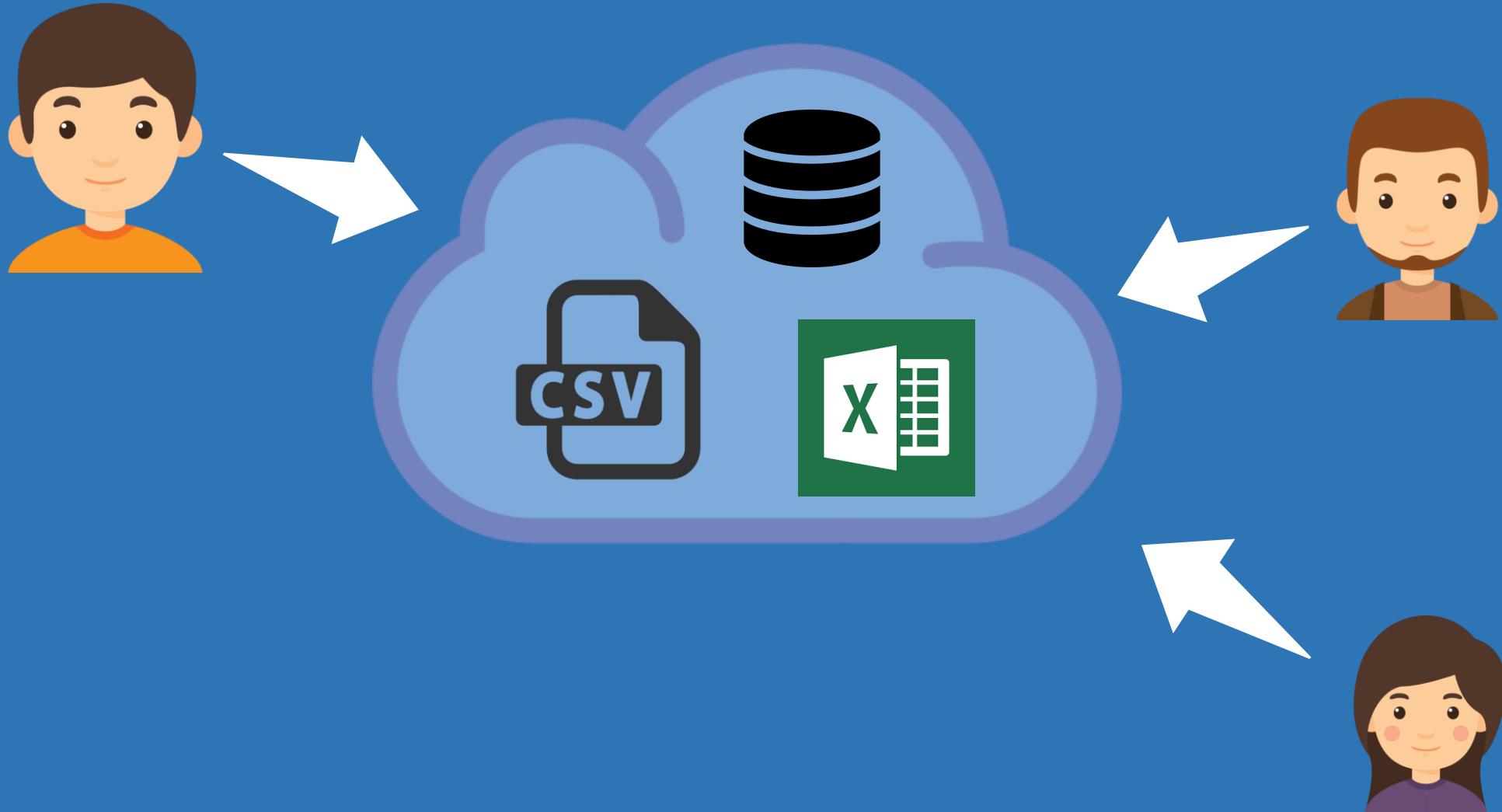
Comment ouvrir mes données?



Comment ouvrir mes scripts?



À plus petite échelle

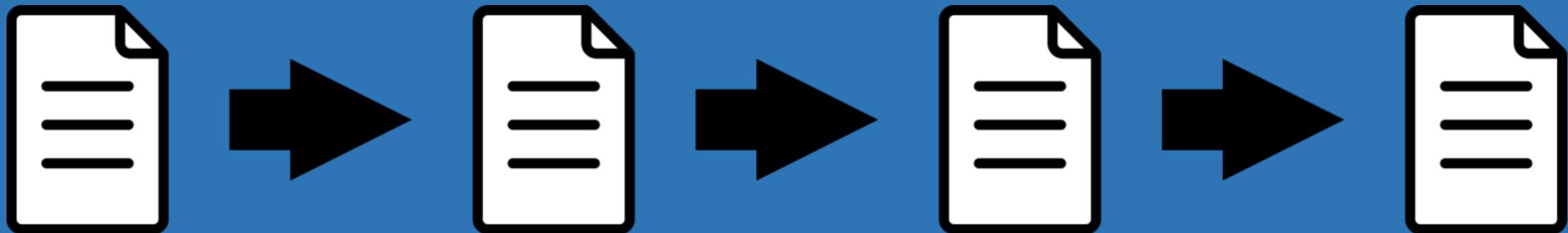


À plus petite échelle



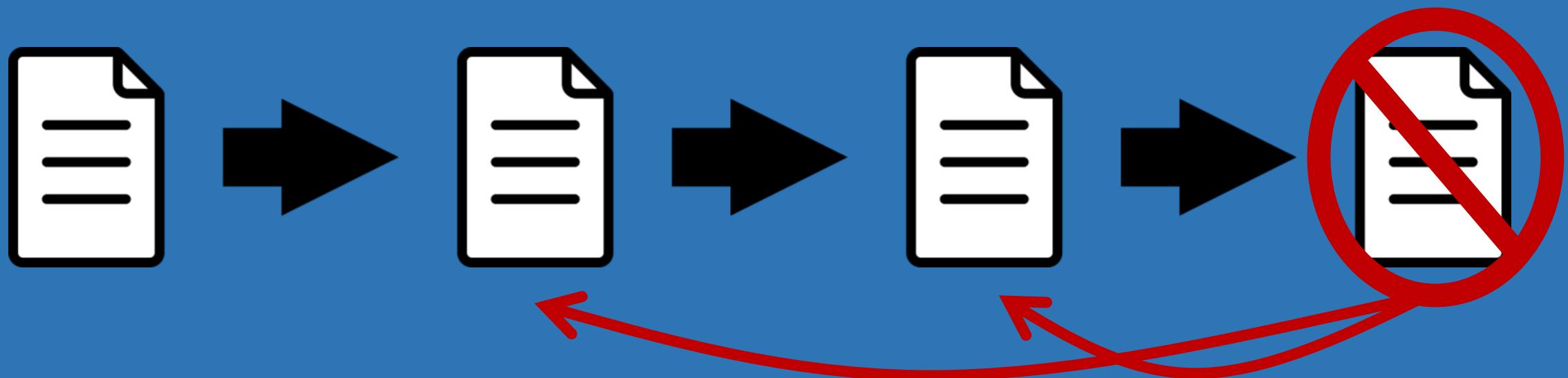
Apprendre de l'histoire

L'archivage des versions précédentes

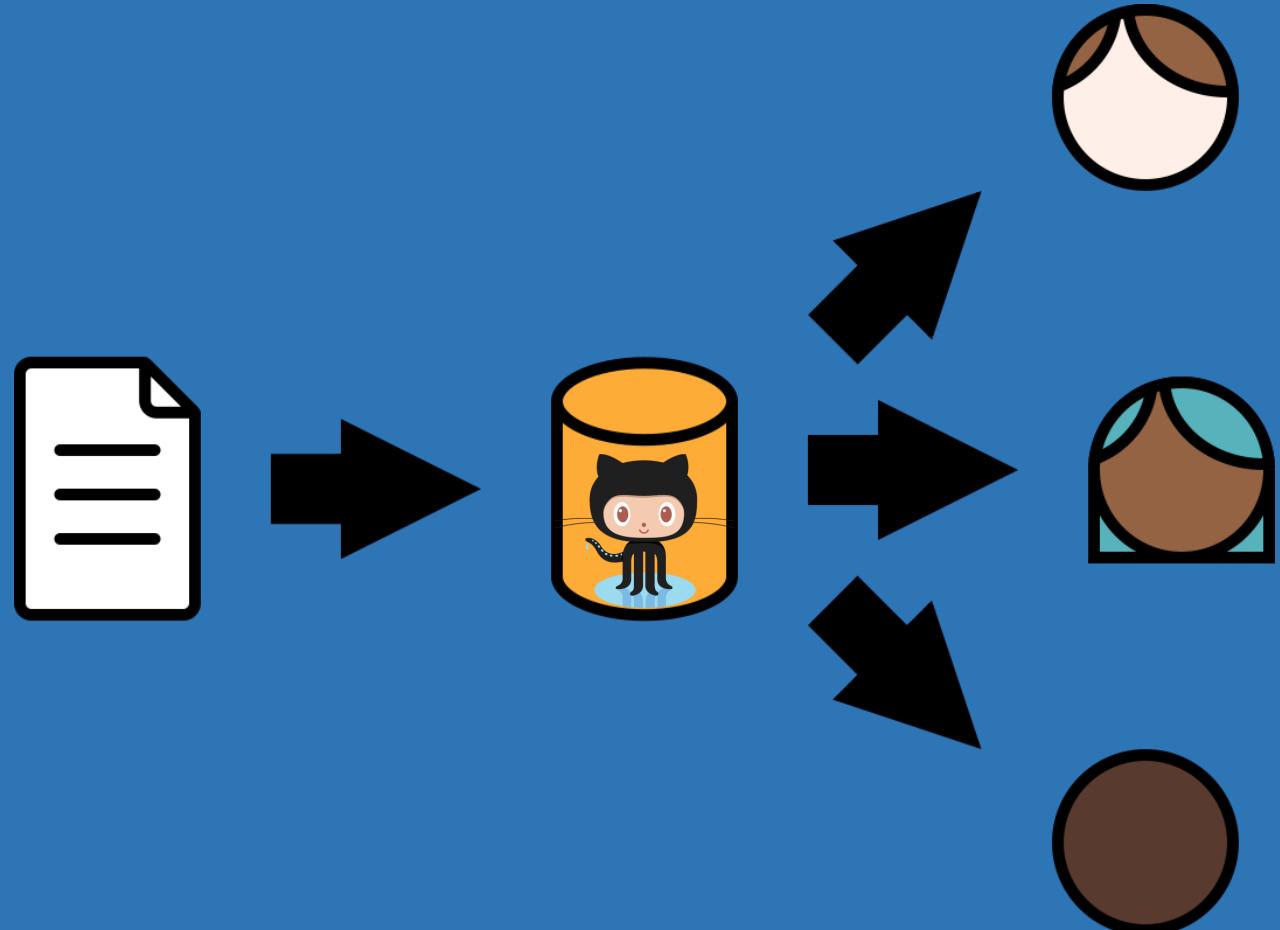


Une machine à remonter le temps

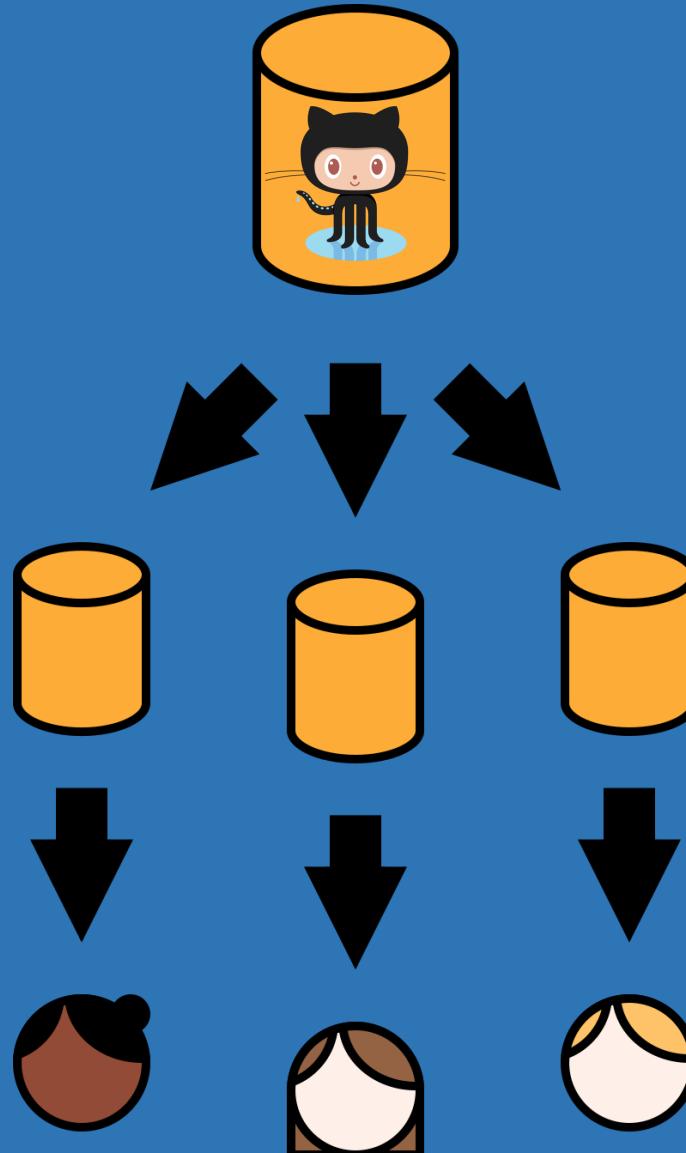
L'archivage des versions précédentes



Idéal pour le
partage de
données et
scripts

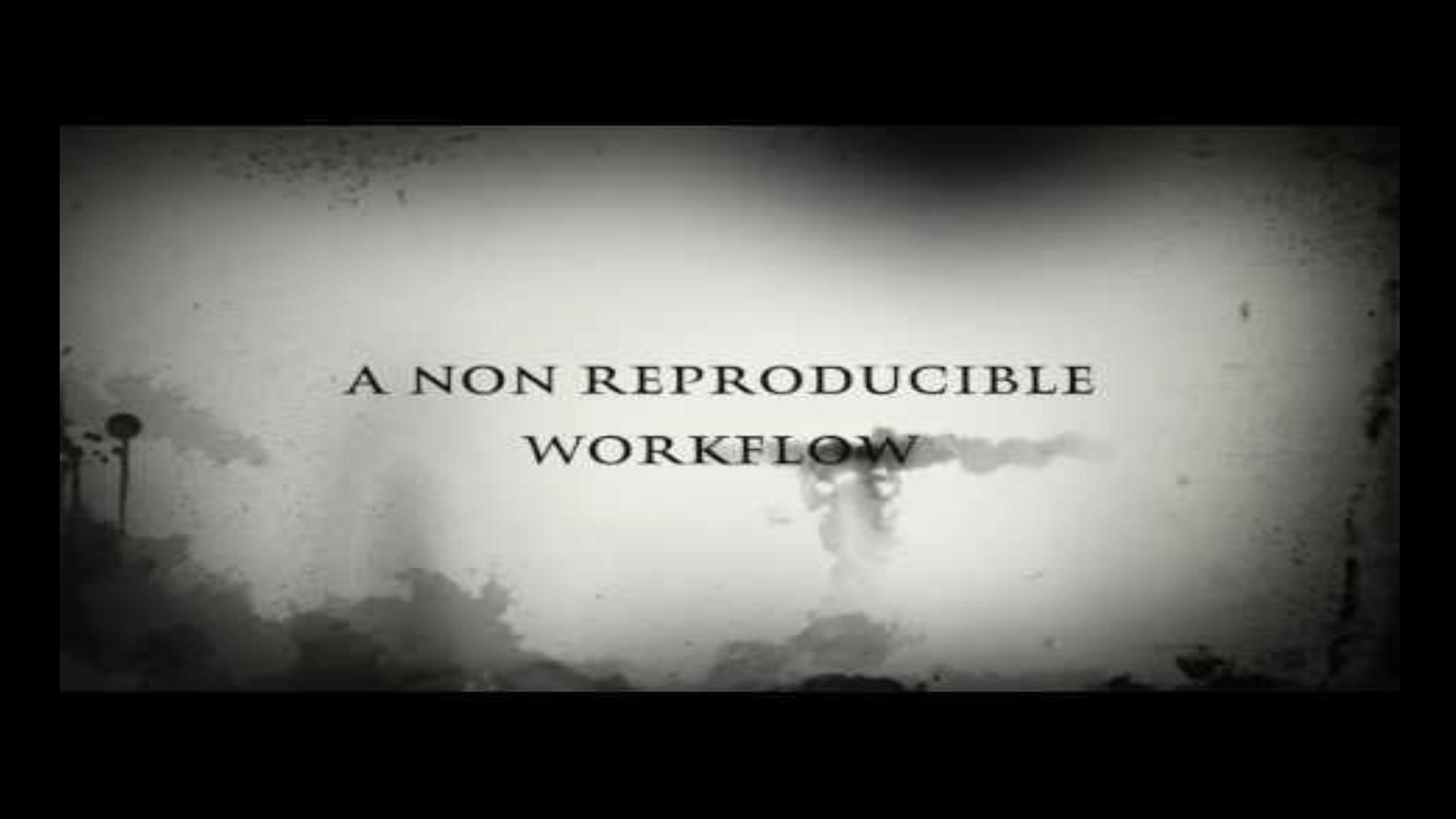


Idéal pour le
partage de
données et
scripts



RopenSci

<https://ropensci.org/>



A NON REPRODUCIBLE
WORKFLOW

RopenSci

<https://ropensci.org/>

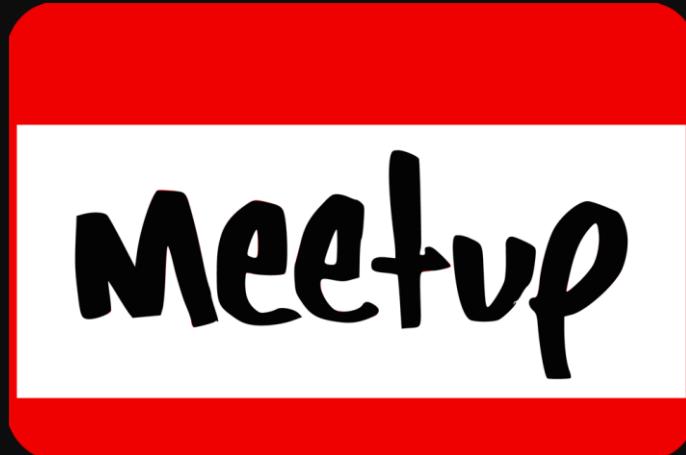
Comment en apprendre plus?





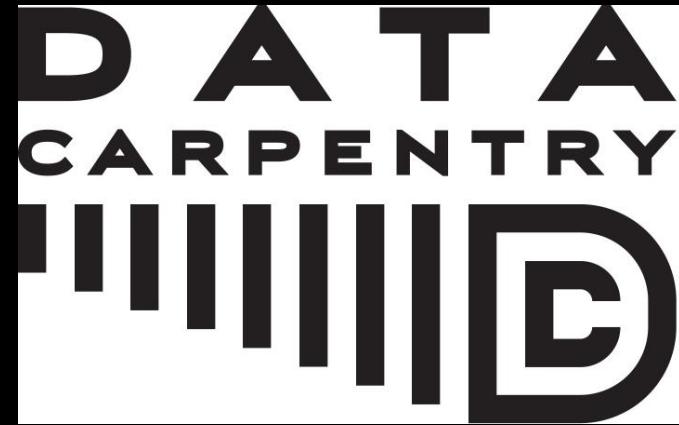
Community Calls Second Thursday of every other month, 11am ET and study groups

Comment en
apprendre
plus?

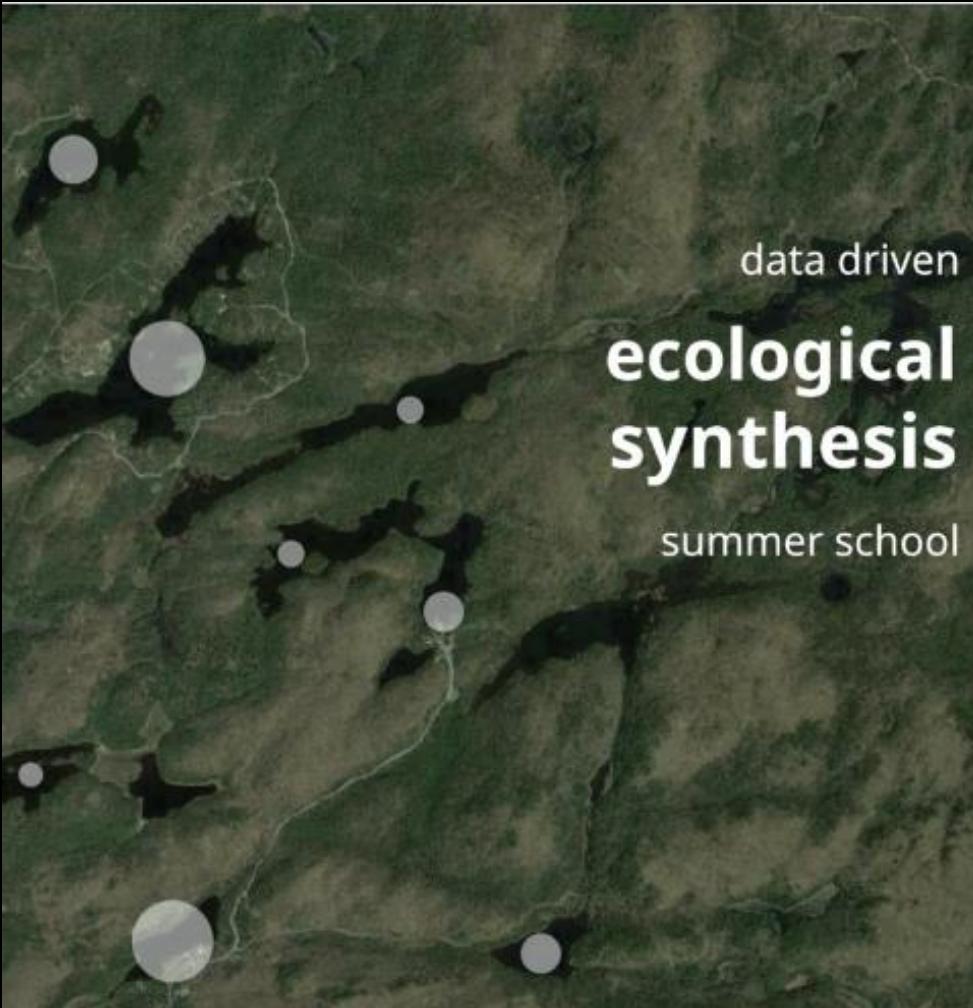


Open data online handbook:
<https://mozillascience.github.io/open-data-primers/index.html>

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poisotlab.io/summerschool

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