# Peer Community In

A free and transparent initiative for preprint peer-reviewing

We did it in Archaeology, why not in Geochemistry?

Alain QUEFFELEC, Bruno MAUREILLE, Sébastien VILLOTTE

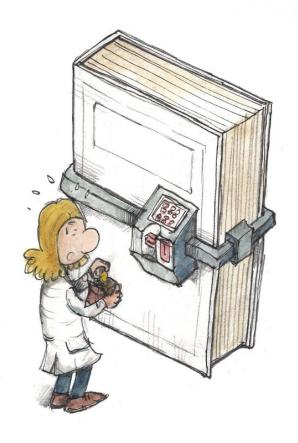
Goldschmidt 2021







# Context: the present system







**Paywalls** 

**Open Access** 

Hybrid...

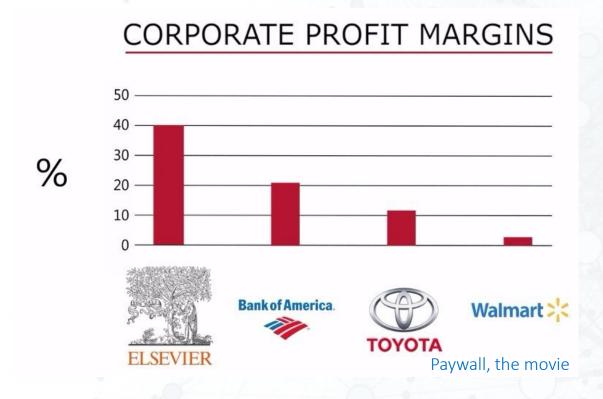
# Context: very expensive system

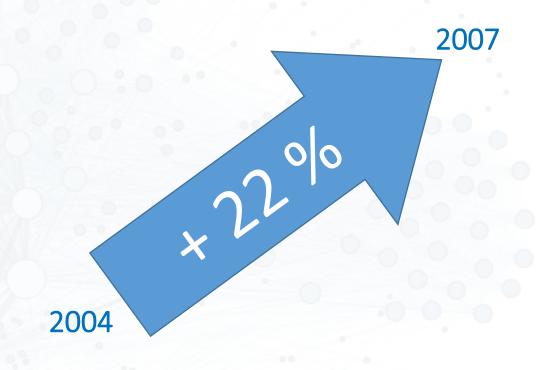
1 x

= 5 000 €!



#### Context: costs are abusive & rising!



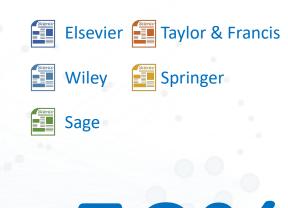


Benefits RELX group (Elsevier) 2018:2,6 BILLIONS € = CNRS annual budget

Costs are rising! +5-6% / year
Bosch et al. 2019

### Context: an oligopoly



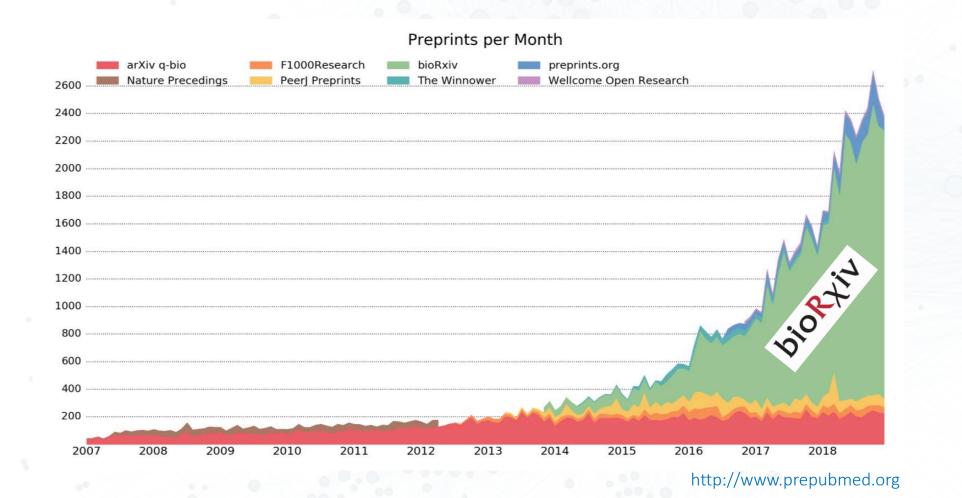




Other publisher

Social Sciences & Humanities repartition of published papers in 2013

#### A « new » way to publish, preprints





# A « new » way to publish, preprints



= 5 000 €!





= 10 €



# But preprints lack peer-review



### Create communities of researchers to evaluate preprints

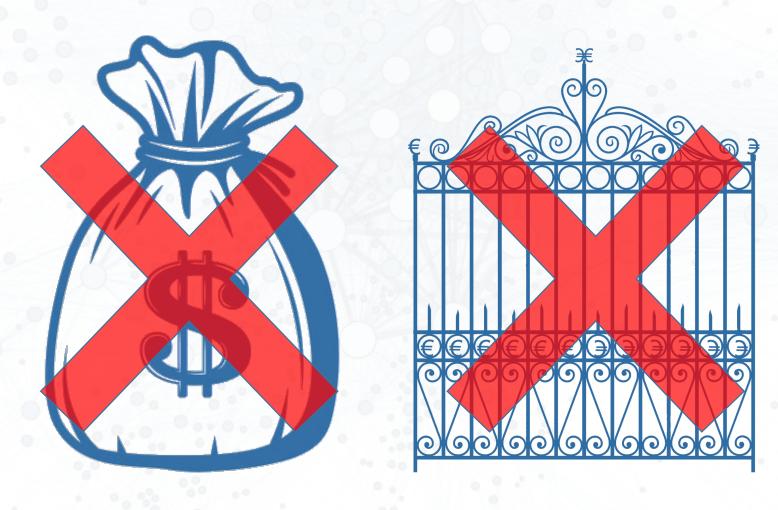
e.g. PCI Ecology, PCI Evolutionary Biology, PCI Paleontology, etc...



#### Peer Community In

#### Completely free for authors and readers

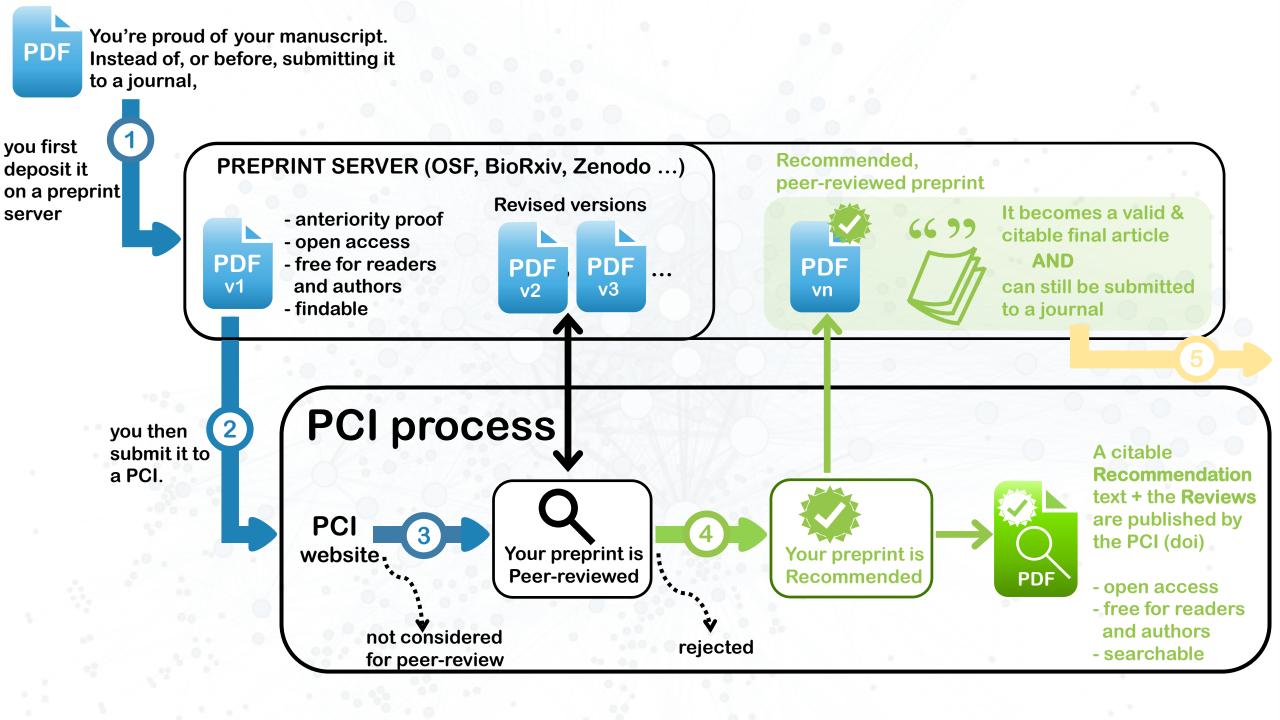
no APC, no paywall, no delay, no subscription



**PCI imposes Open Data and Open Code** 



# HOW DOES IT WORK?



# 1 Upload on preprint server

The research paper will always remain on the preprint server

We do not publish preprints



# 1

# Upload on preprint server

No delays Visible and accessible Protected (DOI) Versioning Free





# Submit to dedicated PCI

January 2017



January 2018

Peer Community In
Paleontology



Peer Community In Ecology



Peer Community In

Animal Science

June 2019

Peer Community In

Zoology

Sept/Oct 2019

Peer Community In Circuit Neuroscience

Peer Community In Genomics **13 PCI** 

March 2020







Sept 2020



April 2021



May 2021





# We publish the full editorial process:

- Reviews
  - Answers to reviews
  - Editorial decisions
  - Final recommendation



# Open recommendation

250+

January 2017

Peer Community In Evolutionary Biology

Peer Community In Paleontology



Peer Community In Ecology

Peer Community In

Recommendations
Peer Community In Zoology

Sept/Oct 2019

Peer Community In Circuit Neuroscience

Peer Community In Genomics

March 2020

Peer Community In

Mathematical &
Computational Biology



Peer Community In Sciences





Peer Community In

April 2021

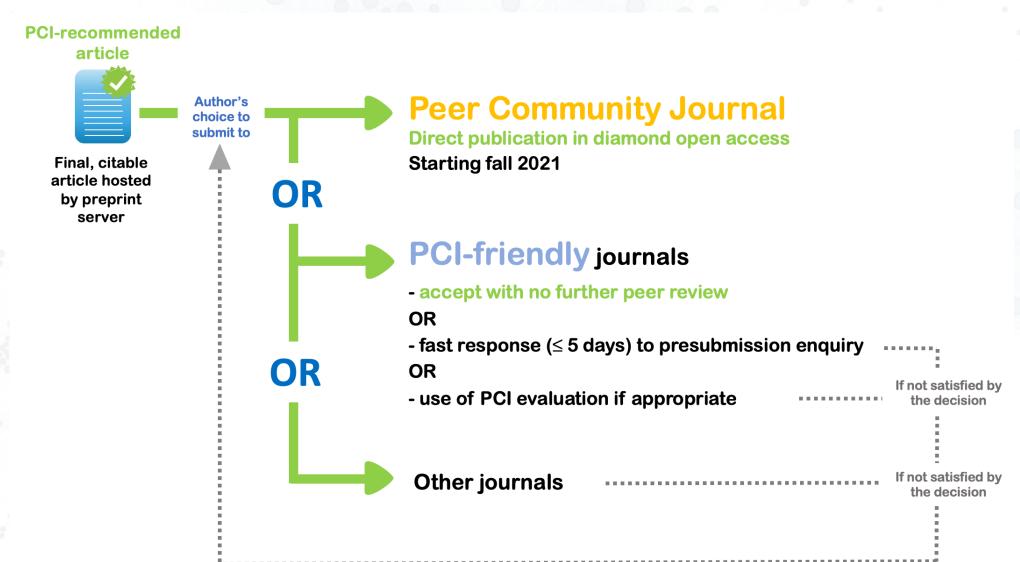
Peer Community In Registered Reports

May 2021





# Submit to journal (if needed)



#### Peer Community In



















































































































#### Peer Community In

#### **Doctoral Schools**

ED ABIES - Univ. Saclay, France

ED E2M2 - Univ Lyon, France

ED Écologie, Géosciences, Agronomie, ALimentation - Univ. Rennes, France

ED Energie et Environnement - Univ. Perpignan, France

ED Environnements-Santé - Univ. Bourgogne Franche-Comté, France

ED Gaïa - Univ Montpellier, France

ED Science de l'Environnement - Univ Aix Marseille, France

ED Sciences de la Mer et du Littoral - Univ. Brest, Nantes, , France

ED Sciences de la Nature et de l'Homme : écologie & évolution - MNHN, France

ED Sciences de la Vie et de la Santé - Univ. Nice, France

ED Sciences du végétal : du gène à l'écosystème - Univ. Orsay, France

ED Sciences Exactes et Applications - Univ. de Pau et des Pays de l'Adour, France

ED Sciences, Technologies et Santé - Univ. La Réunion, France

ED SEVAB - Univ. Toulouse, France

ED SMRE - Univ. Lille, France

ED SVSAE - Univ. Clermont Auvergne, France

ED Structure et Dynamique des Systèmes Vivants - Univ. Saclay, France

ED Theodore Monod - Univ Poitiers, France

**Doctoral Programme in Biodiversity, Genetics and Evolution (BIODIV)** - Univ. Porto & Univ Lisbon, Portugal

Programa de Doctorado en Biología Integrada - Univ. de Sevilla, Spain

#### **Evaluation Committees**



Sections 29, 30 and 52 of the National Committee for Scientific Research



Section 67 of the Conseil National des Universités



CSS BPE of the French National Institute for Agricultural Research



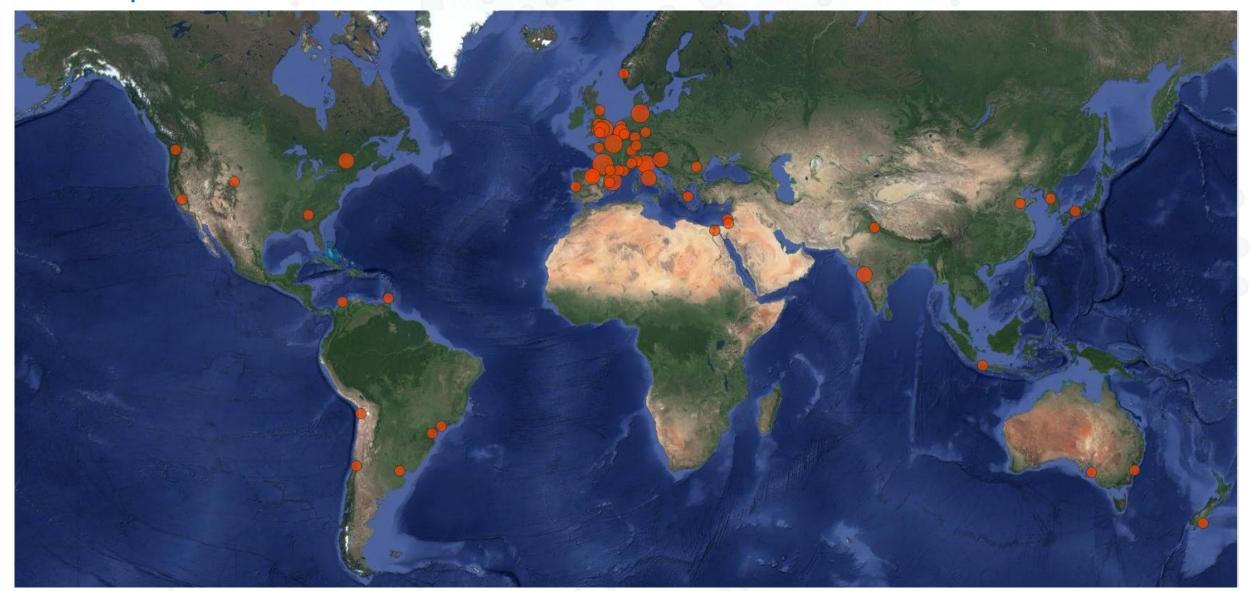
CSS3 of the French National Research Institute for Development

+ Finland et Norway



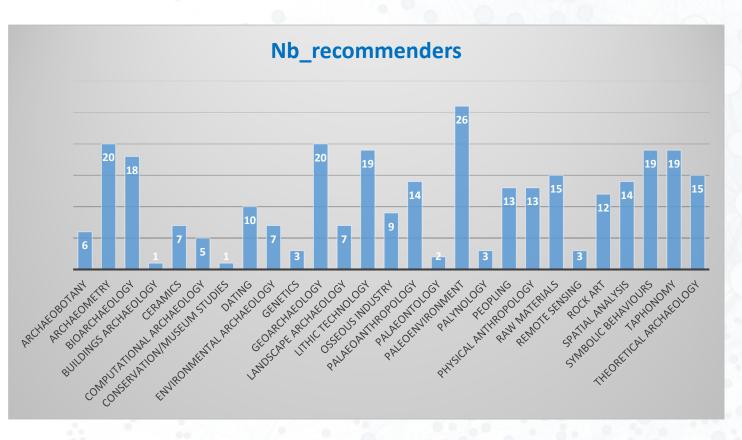
# PCI Archaeology: recommenders

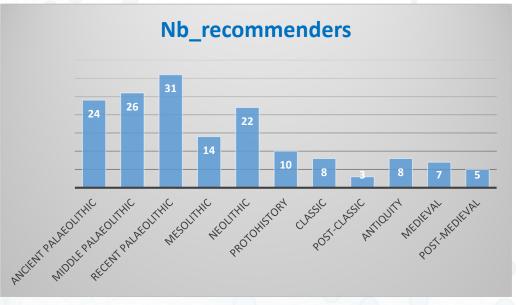
A pool of 94 recommenders

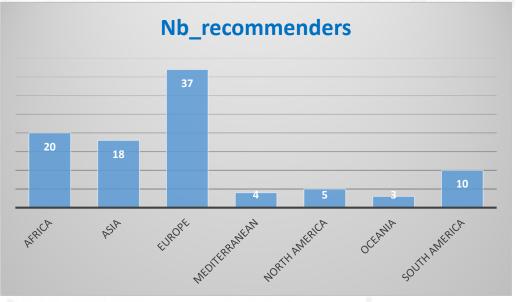


### PCI Archaeology: recommenders' specialties

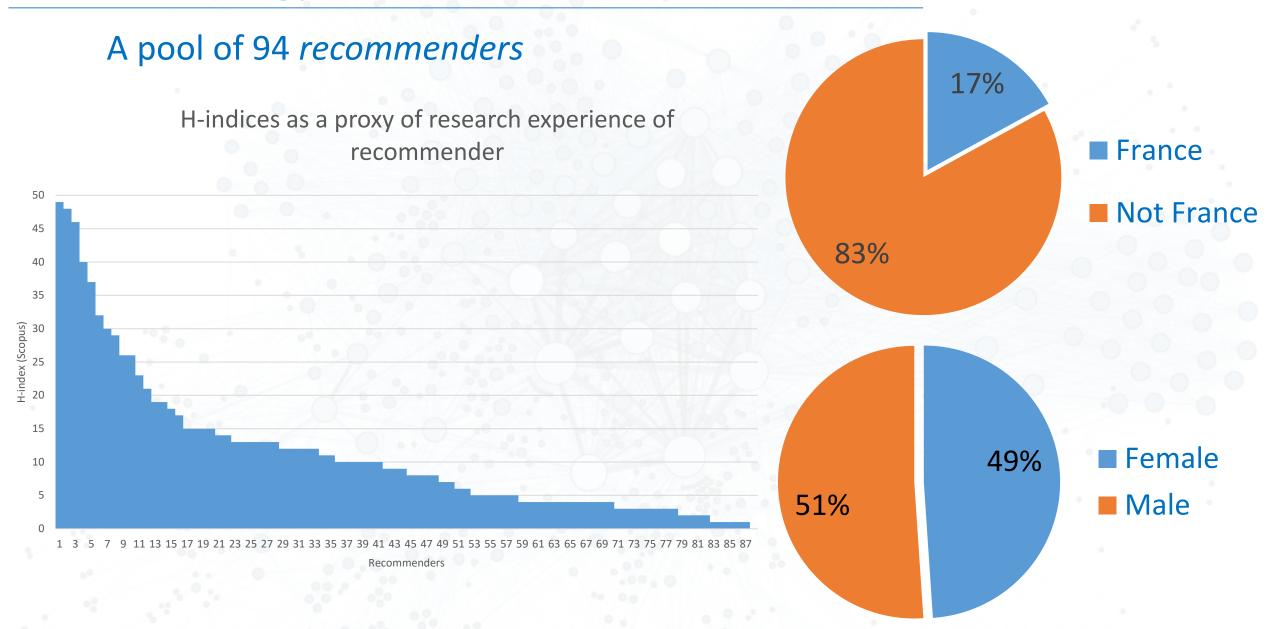
#### A pool of 94 recommenders







# PCI Archaeology: recommenders



# PCI Archaeology 2020/2021 summary

#### 15 Submissions so far





















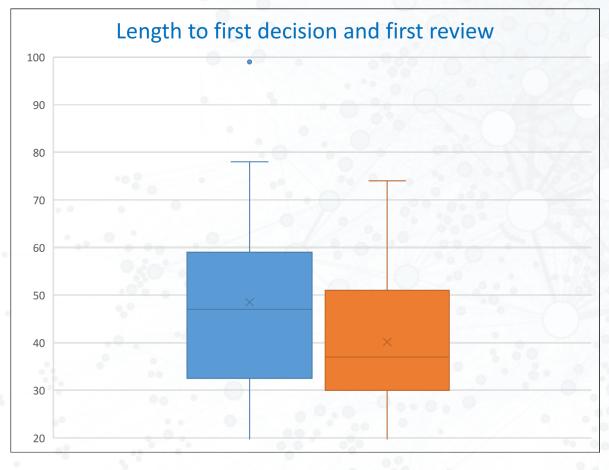


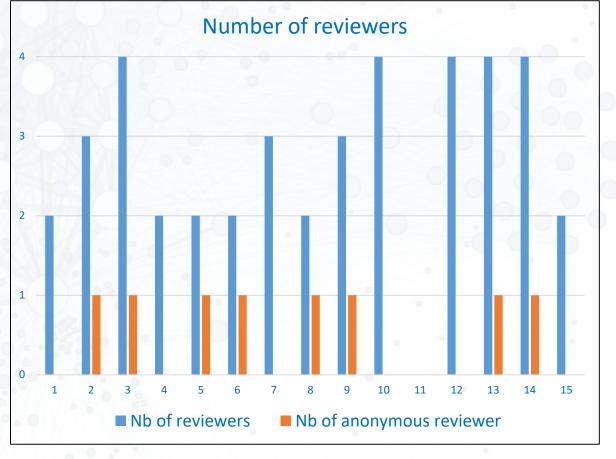












# WHAT DO WE NEED FOR GOOD SCIENCE?



(V) PEER-REVIEWED

**OPEN** 

REPRODUCIBLE



# THE STEPS FOR CREATING PCI GEOCHEMISTRY

- 1) Choose 1 or 2 colleagues to set up and manage the PCI
- 2) Define the subject (



- 3) Establish a first group of recommenders (20 to 50)
- 4) Submit your proposal to the PCI association for approval
- 5) Recruit more recommenders
- 6) Set up a managing board
- 7) Open publicly the PCI



# OPEN SCIENCE ISJUST GOOD SCIENCE

These slides are available at https://osf.io/t2mq7/

