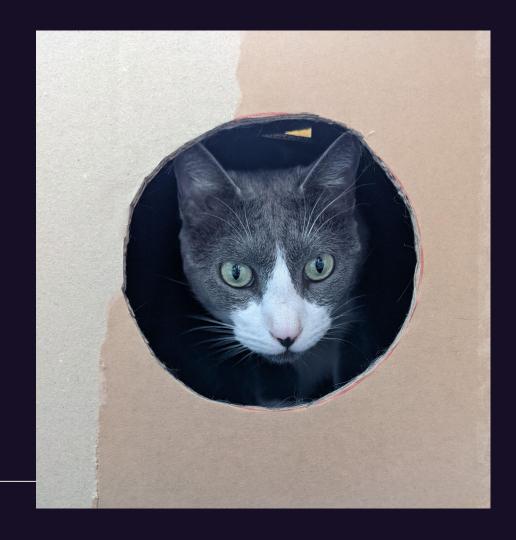
## Remote data usage

Maxime U Garcia SciLifeLab | National Genomics Infrastructure nf-core

ANF - workflow et reproductibilité



### The Challenge of Reproducibility

Hidden reproducibility issues are like an iceberg

"

First, we tried to re-run the analysis with the code and data provided by the authors.

Second, we reimplemented the whole method in a Python package...

Experimenting with reproducibility: a case study of robustness in bioinformatics https://doi.org/10.1093/gigascience/giy077

The five pillars of computational reproducibility: bioinformatics and beyond https://doi.org/10.1093/bib/bbad375



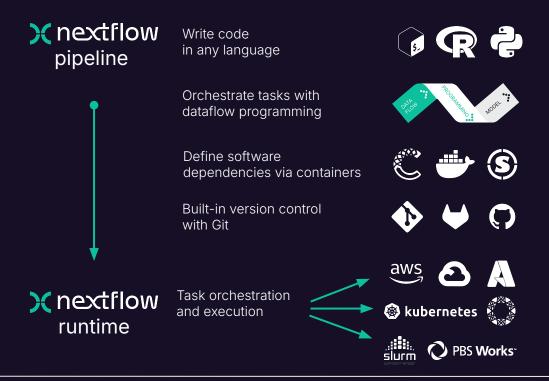


# Hextflow



## Introducing Nextflow

Nextflow is a language, a runtime, and a community





# Nextflow training

Working with Files: <a href="https://training.nextflow.io/latest/side\_quests/working\_with\_files/">https://training.nextflow.io/latest/side\_quests/working\_with\_files/</a>

- How files work in Nextflow?
- Difference between local and remote files
- HTTPS FTP
- S3 AZ GS (cloud)
- Using a base\_path parameter

