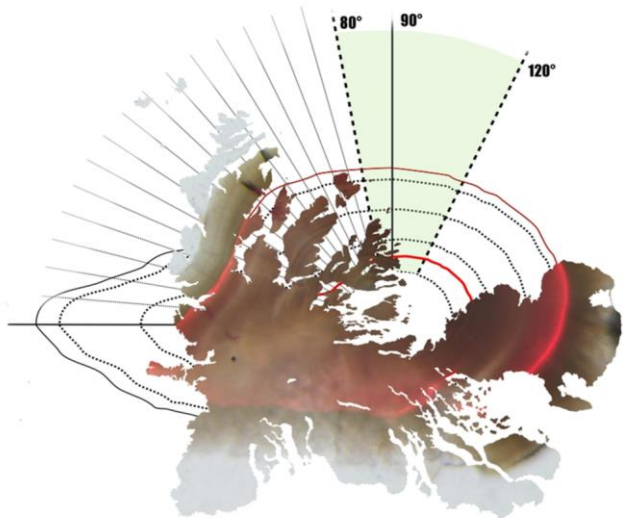




# Visualisation des données Kerguelen SALMEVOL-1041





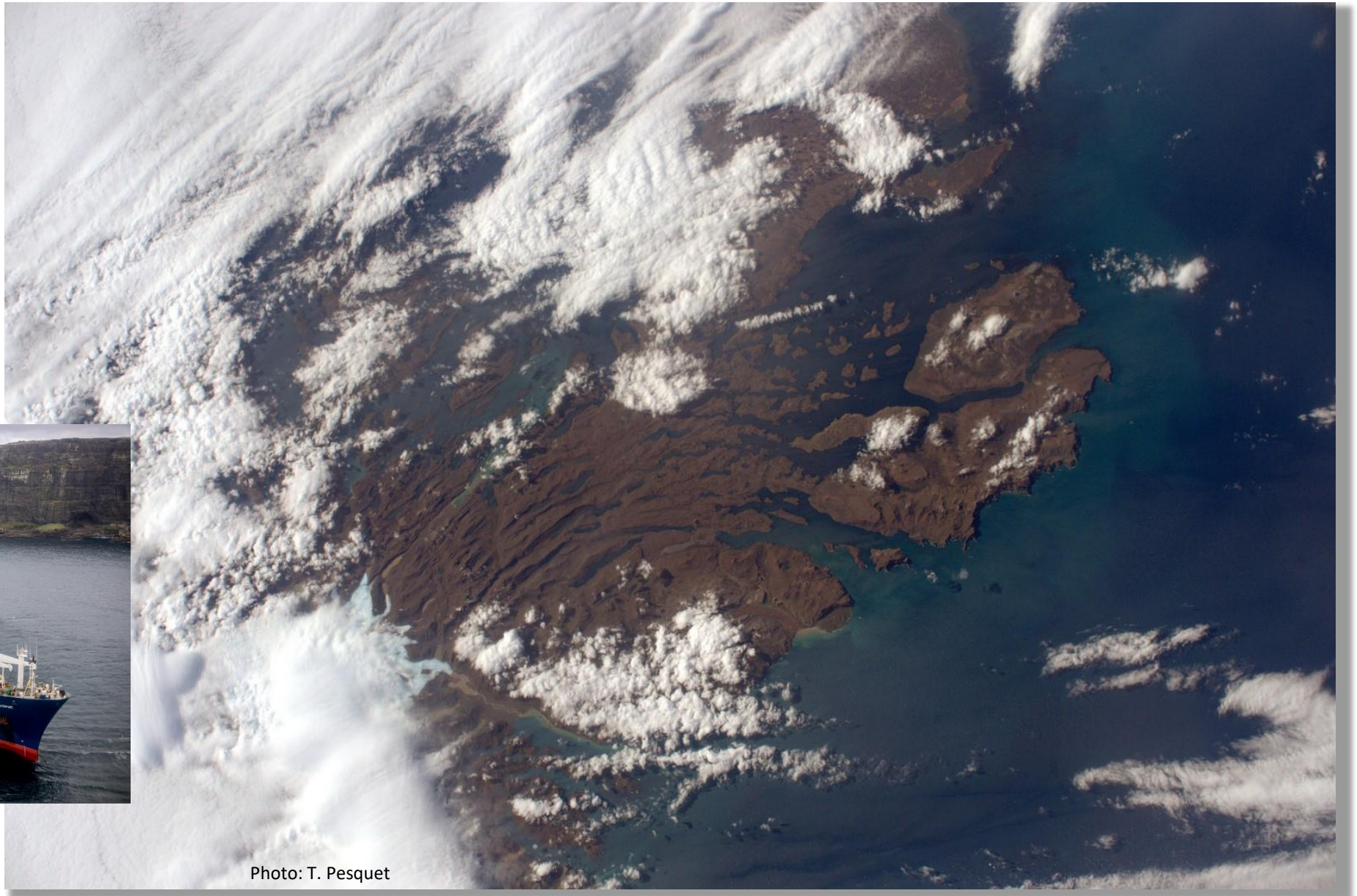
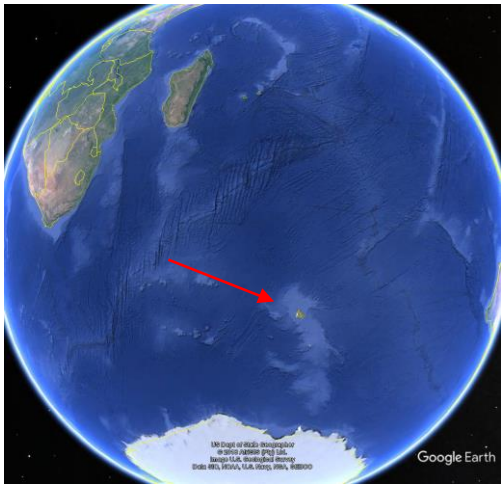
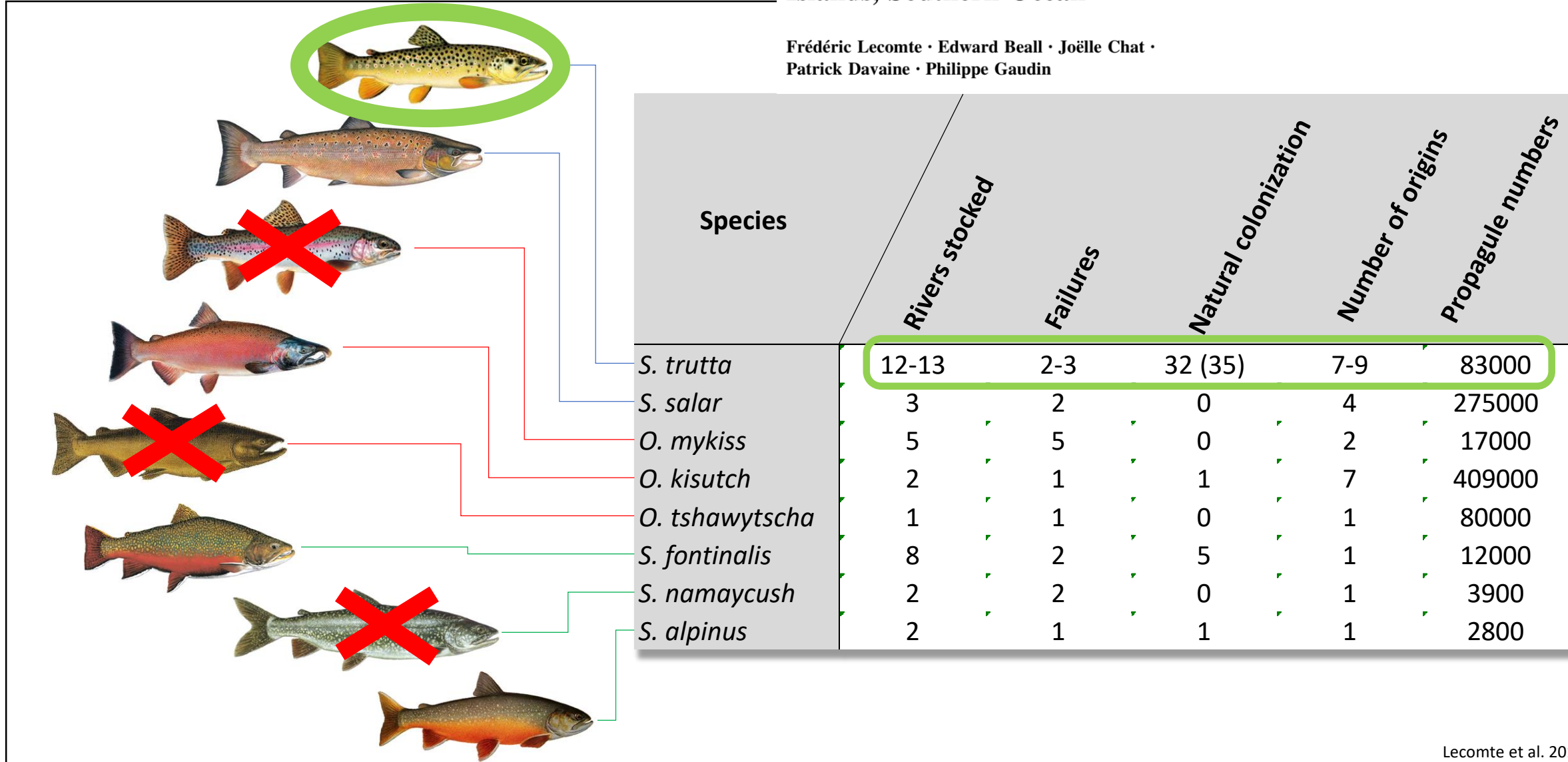


Photo: T. Pesquet

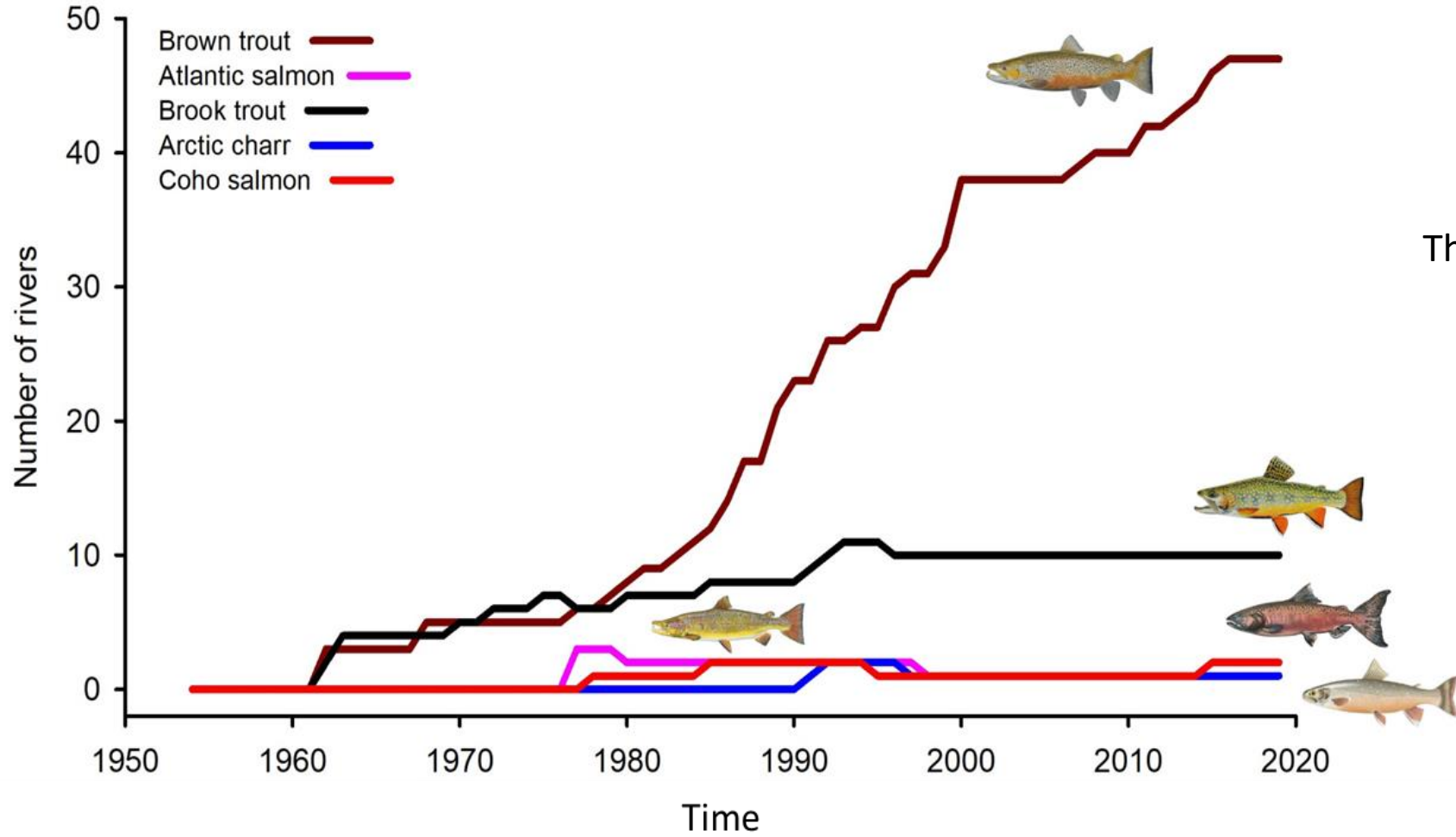
## The complete history of salmonid introductions in the Kerguelen Islands, Southern Ocean

Frédéric Lecomte · Edward Beall · Joëlle Chat ·  
 Patrick Davaine · Philippe Gaudin





# Number of rivers colonized by five introduced salmonid species at Kerguelen



The last decade :

Colonisation

Demography

Life history traits (growth and migration)

Local adaptation, inbreeding

Interspecies (hybridization)

Ecotoxicology

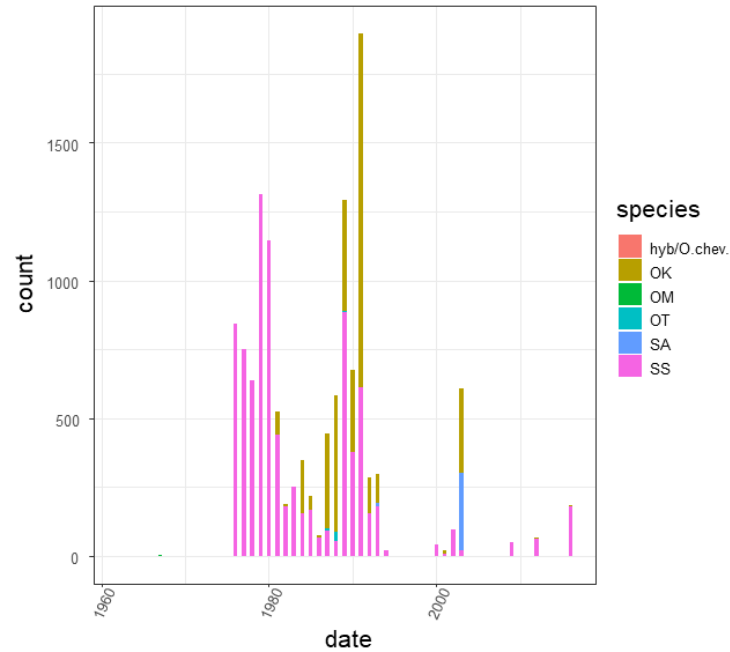
Microbiology

# Our part of the ZATA-LTER SALMEVOL

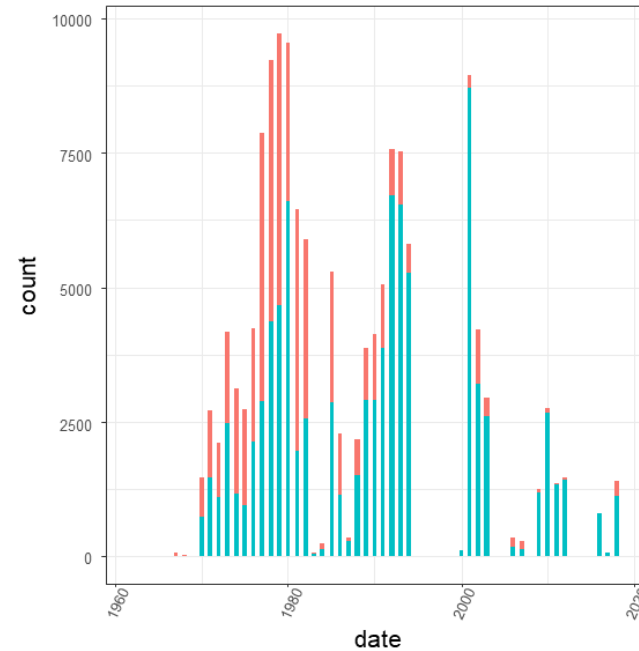
> 157 000 captures  
Mainly fish people things

Sample type	Estimated count (1962-2019)	Now recorded in our database	Salmevol 1 contribution (2009 - 2015)	Salmevol 2 contribution (2016 - 2019)
Scale	About 70 000 enveloppes	57060	4655	2130
Adiposis fin	> 7354	7354	830	410
Other fins	> 1314	1314	680	537
Pectoral fin radius	> 586	586	586	0
Stomach content	> 5757	5757	532	188
Otolith	> 2398	2398	946	129
Whole fish	> 1259	1259	358	397

Distribution of samples per species

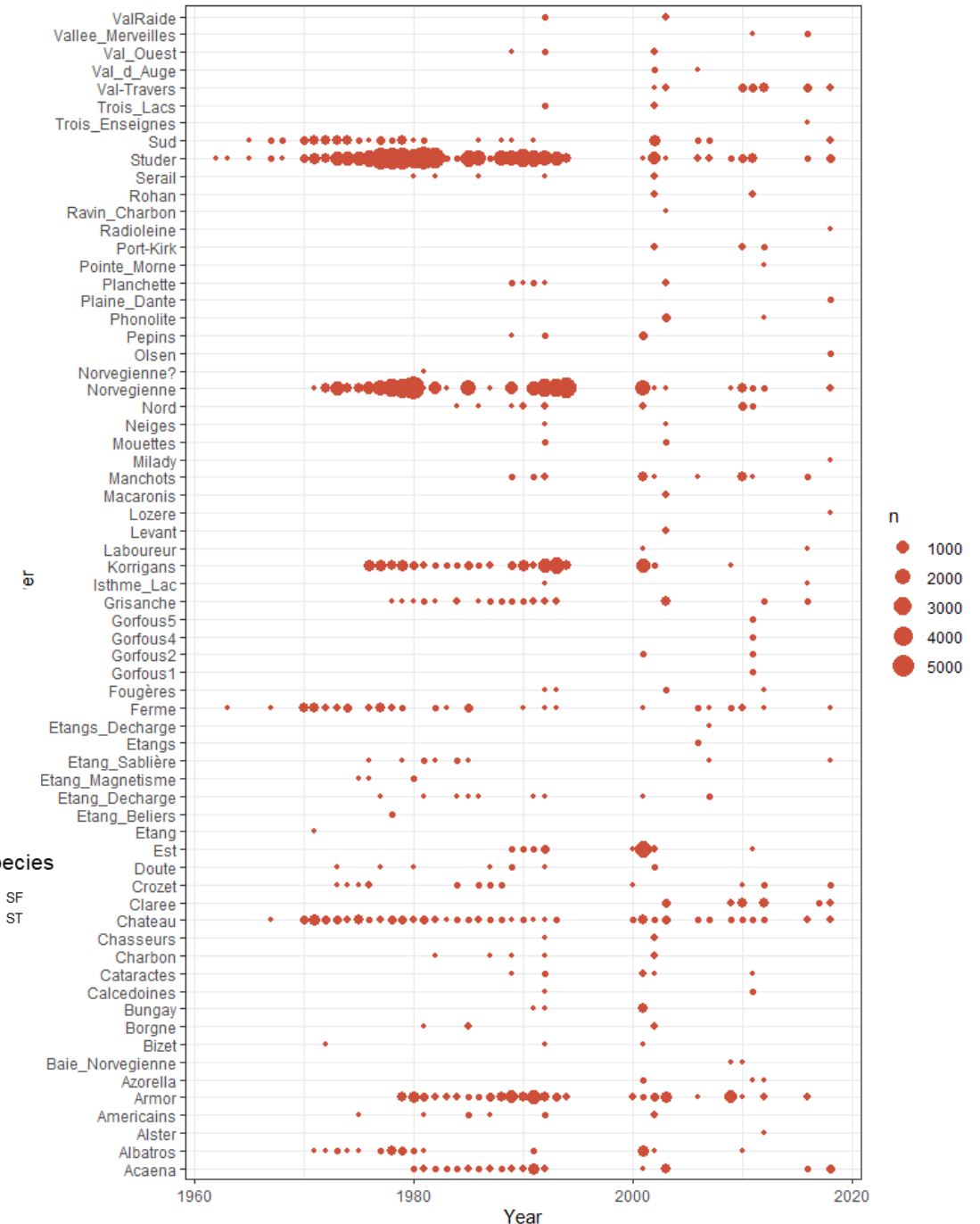


Distribution of samples per species

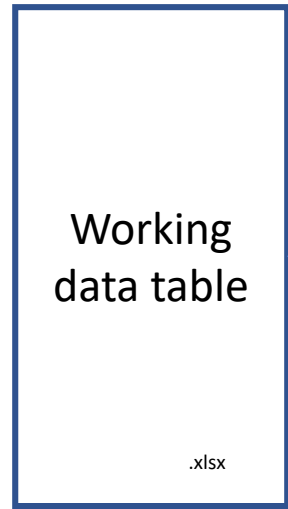


Counts Plot

Captures number per River and Year



# Data management for Kerguelen – Salmevol 1041 Project

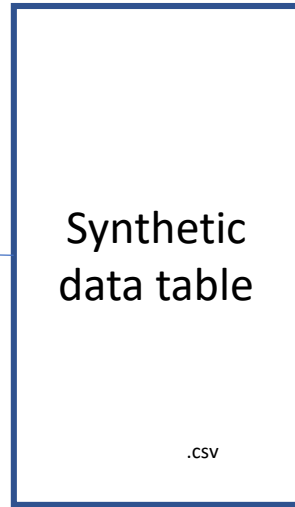


This file is in constant change. The content is often not fully exact, or contains multiple opinions. This is the results of many data sources been and being merged. It will remain that way for the time being.

Updated / saved daily (local disk)

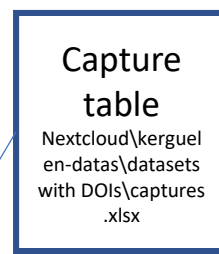
*Nextcloud\fgueraud*

*Nextcloud\kerguelen-data*

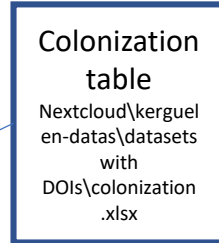


This file contains parts of the columns and rows, that are either relevant or for which the content is ascertained, respectively.

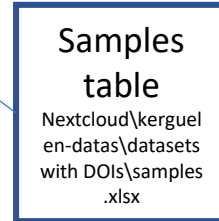
Updated monthly if required



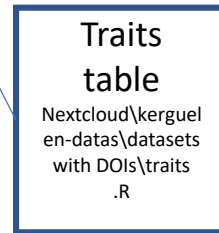
Contains minimal data regarding captures.



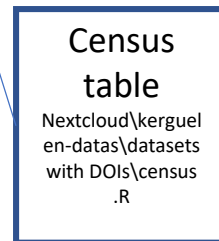
Contains presence absence data per river system as a function of time for 8 species



Contains minimal data regarding tissue samples, restricted to scale samples for the time being.

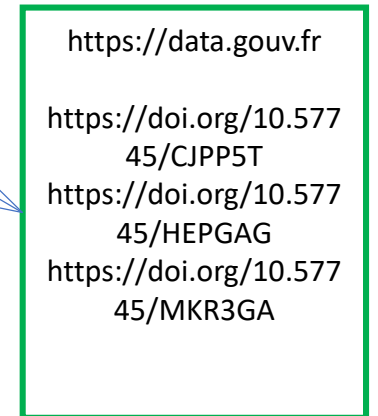
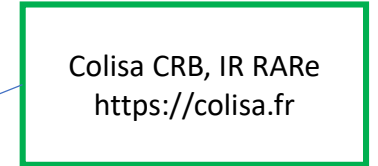


Contains minimal data regarding traits (body size and weight, age, phenotype, and growth data (from scales reading). Requires to re associate growth data to capture data.



Contains minimal data for demographic trends or density estimates.

Updated monthly if required



*External repositories*

-> OPEN SCIENCE

## Visualisation des données

### Pour quel objectif ?

- Illustrer rapidement le contenu des bases de données et d'échantillons.
- Explorer ce contenu pour formuler des premières questions, ou préparer des requêtes.
- Cocher les cases de l'OPEN SCIENCE/DATA (exigence LTER ZATA-RZA -> INEE, et politique INRAE)

### Pour quel public ?

- Des scientifiques de tout poil, dont ceux de notre labo.
- Un public parfois moins scientifique: étudiants, scolaires, curieux.

Comment fait-on ?

On prend 4 étudiants en projet tutoré

On leur met bien la pression



Enfin :

- On repasse derrière.
- On met tout ça sur Git Lab.
- On fait une demande sur les serveurs SK8 INRAe.
- On prend peur quand on voit le résultat non optimisé.
- On optimise (un peu).



*Tiffany*



*Maxime*



*Anaïs*



*Laura*

On les force à apprendre:

- À coder
- À comprendre les données et échantillons de Kerguelen
- A parler couramment le François Guéraud



<https://salmevol-1041.sk8.inrae.fr>



Reste à faire:

- Encore de l'optimisation
- Portage pour smartphone, même si ce n'est pas vraiment l'objectif.
- Intégrer des nouvelles informations.
- Pousser les collègues à faire de même.
- What else?

Publicité !

- 1 poste de CR  
écologie comportementale
- 1 poste d'AI (?)  
(expérimentation/gestion ISC)

