

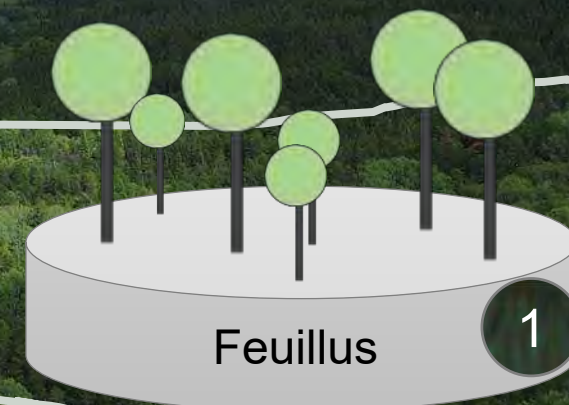
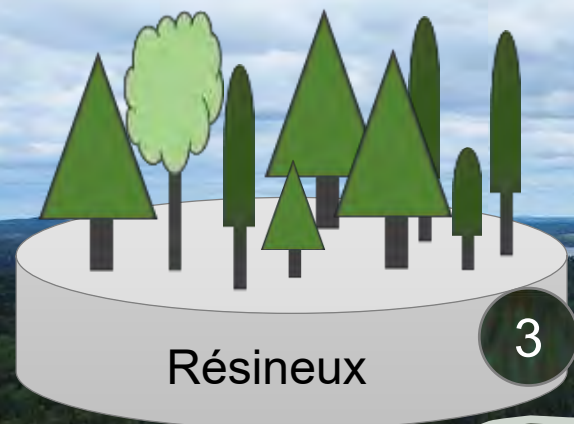


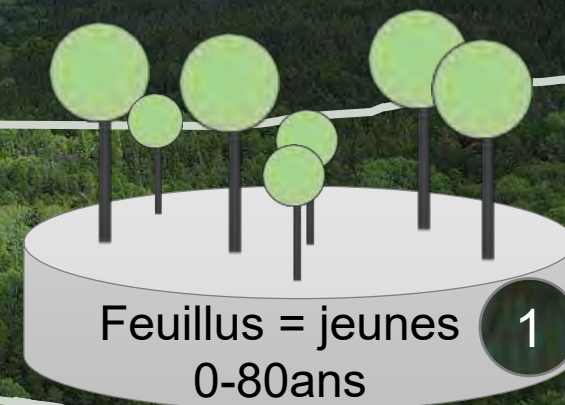
Sylviculture et aménagement forestier écosystémique, 20 ans d'observations en forêt boréale mixte

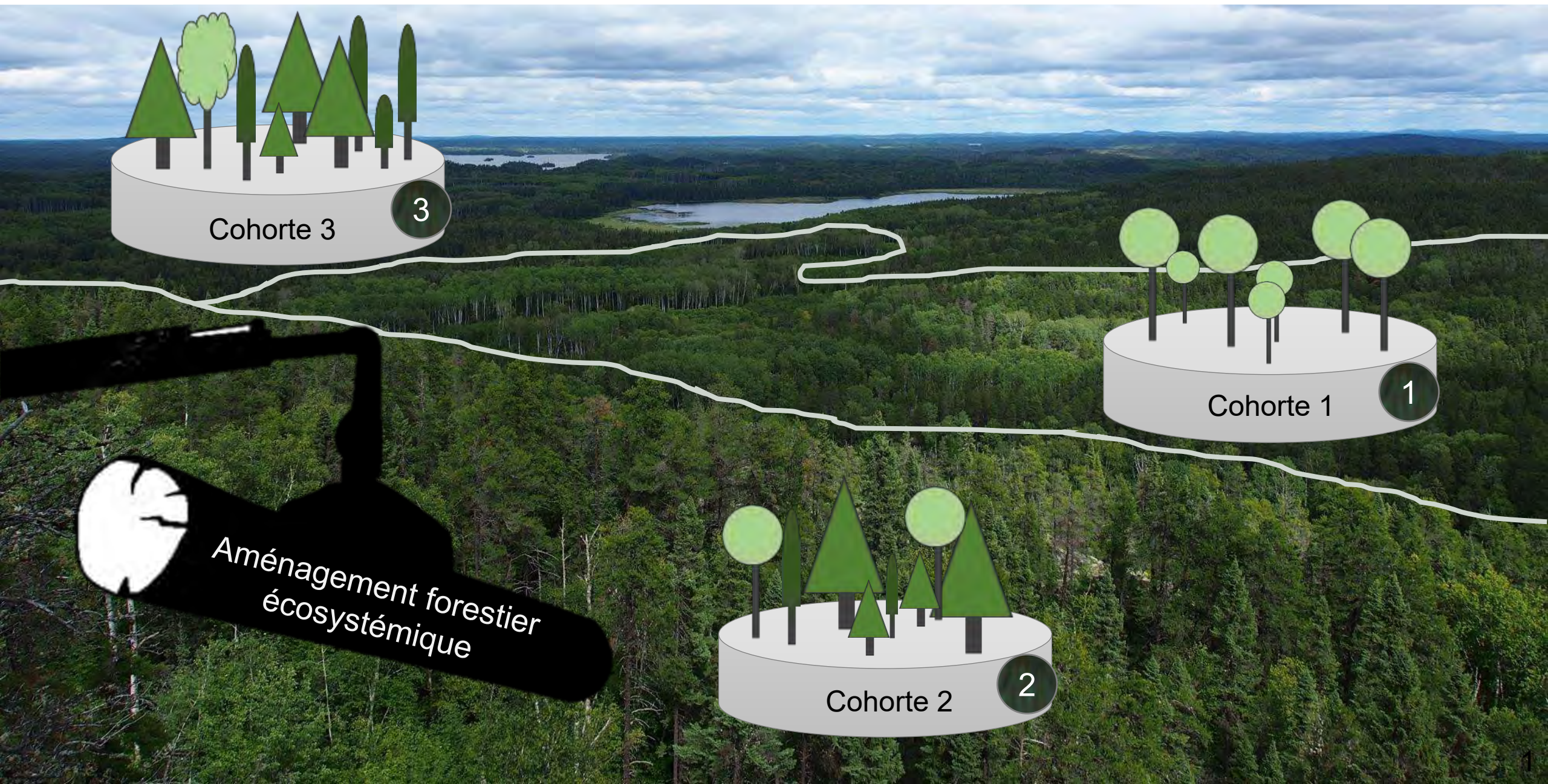
Marion NOUALHAGUET, Maxence SOUBEYRAND,
Timothy WORK, Nicole FENTON



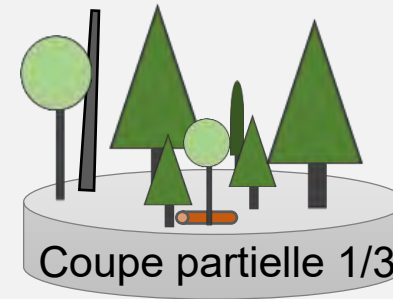
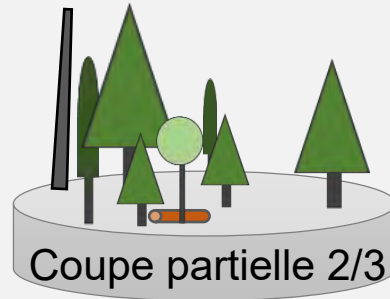
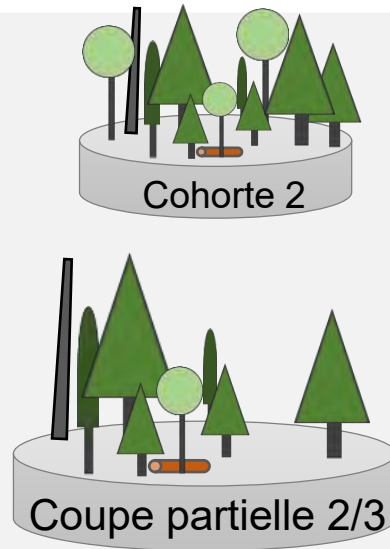
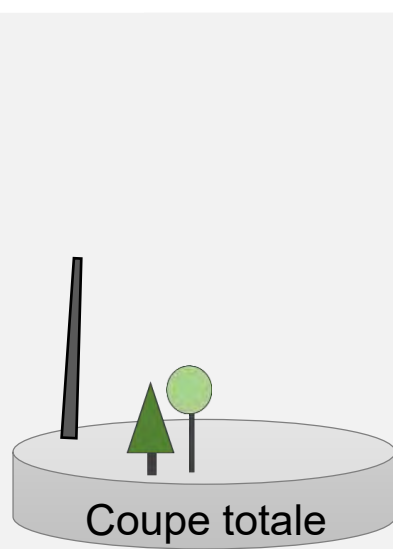




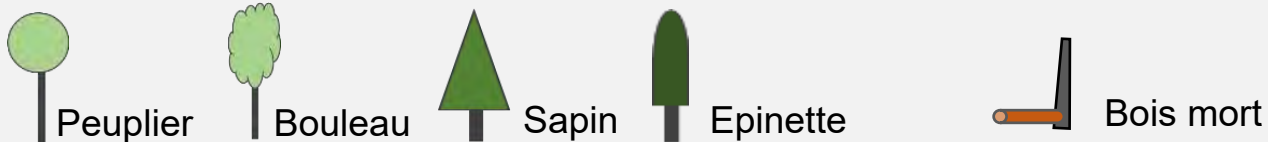




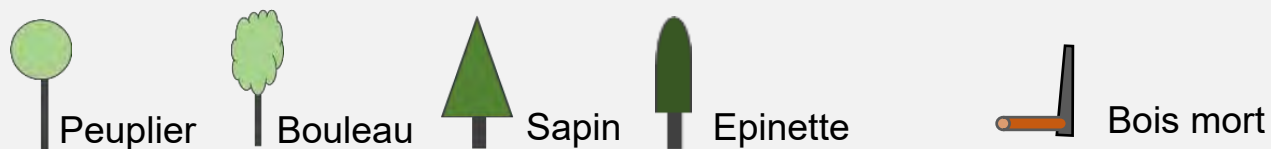
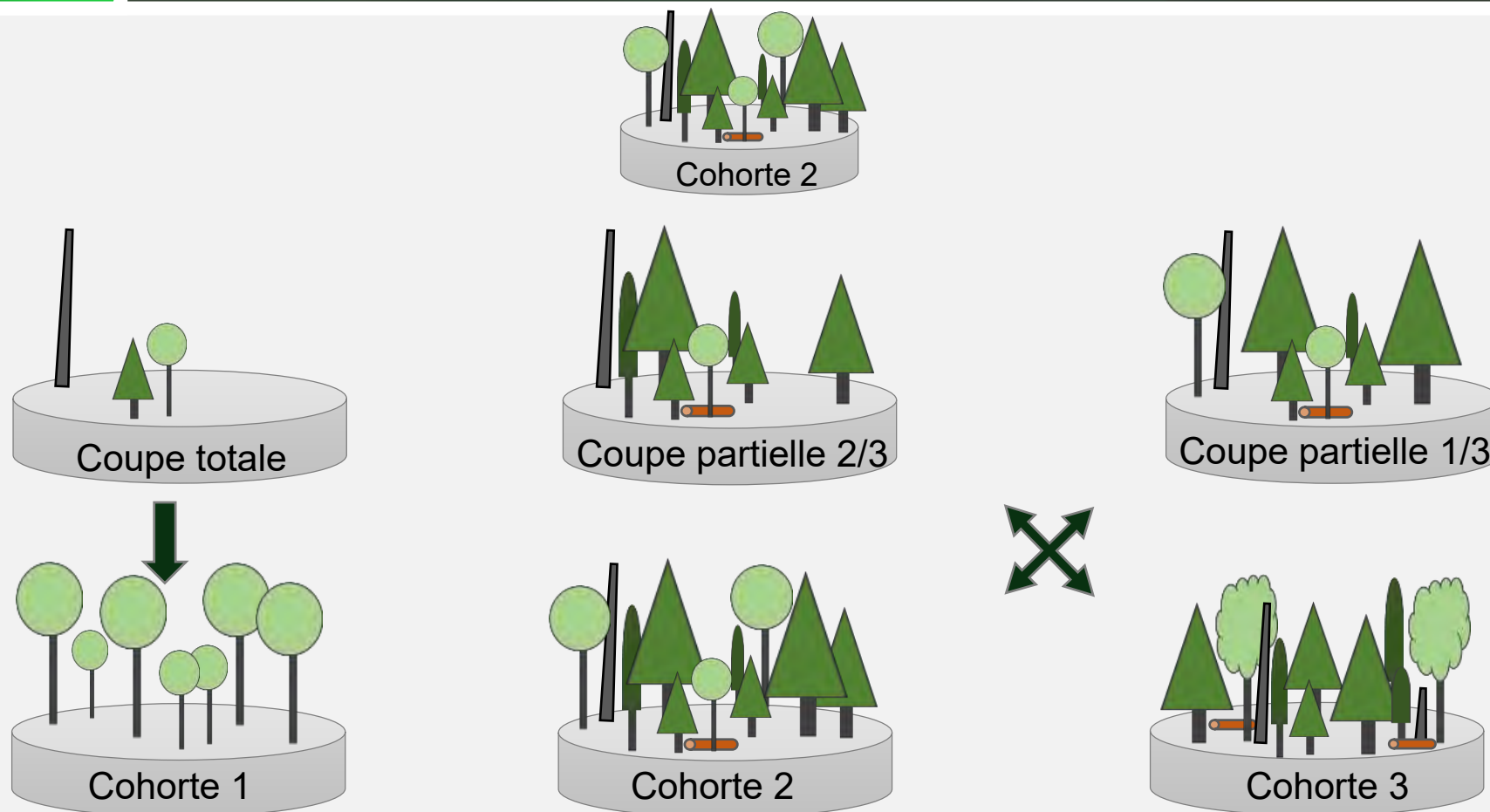
Aménagement forestier
écosystémique

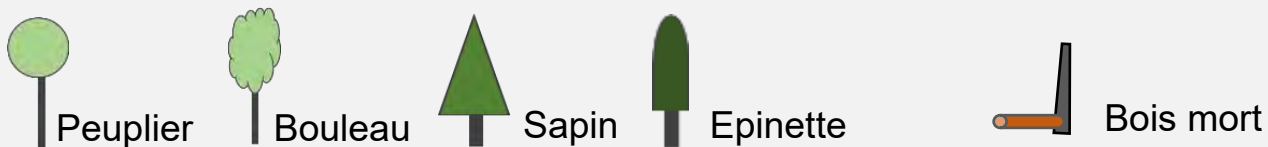
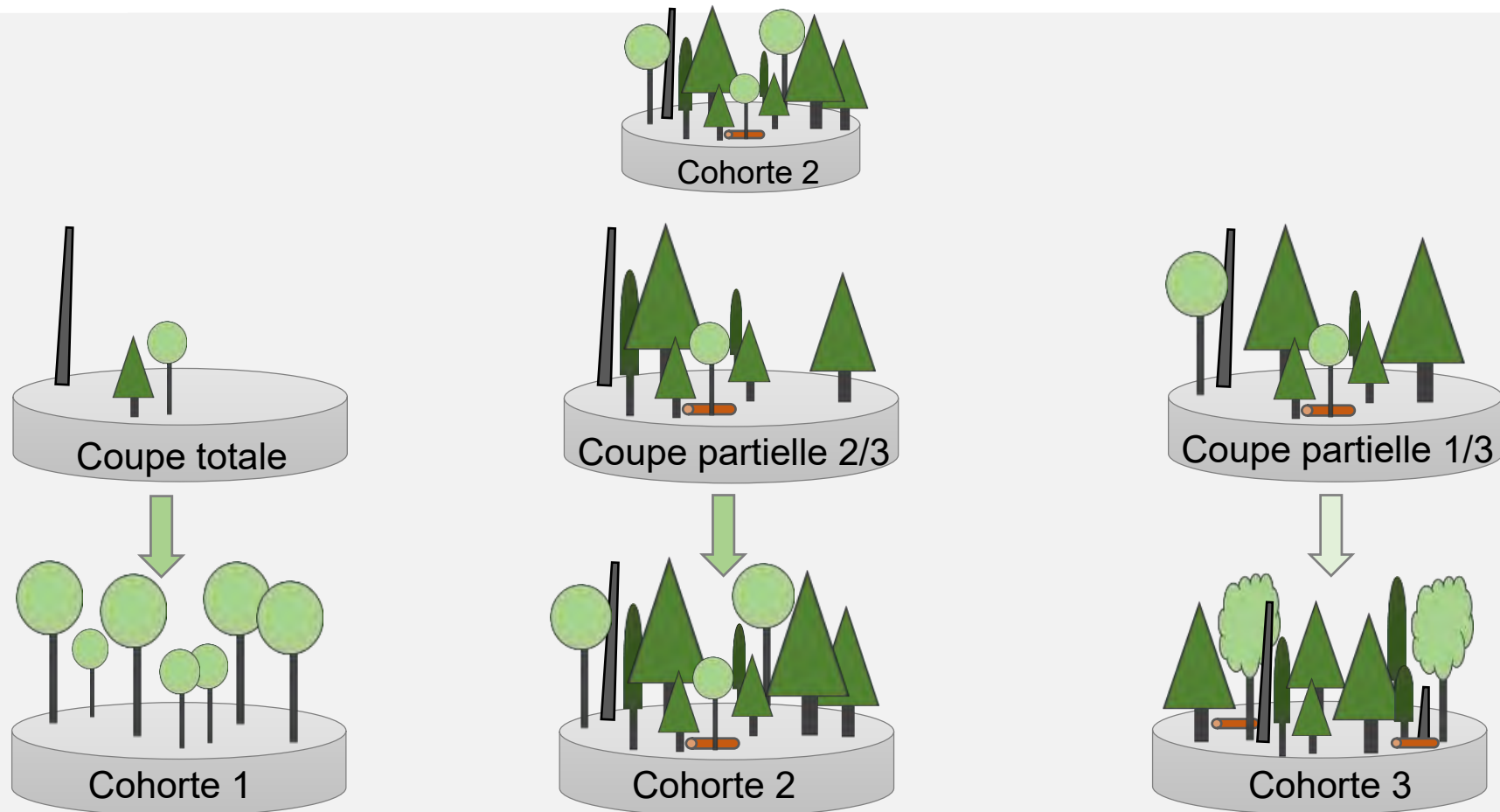


Traitements sylvicoles



Traitements sylvicoles





Traitements sylvicoles

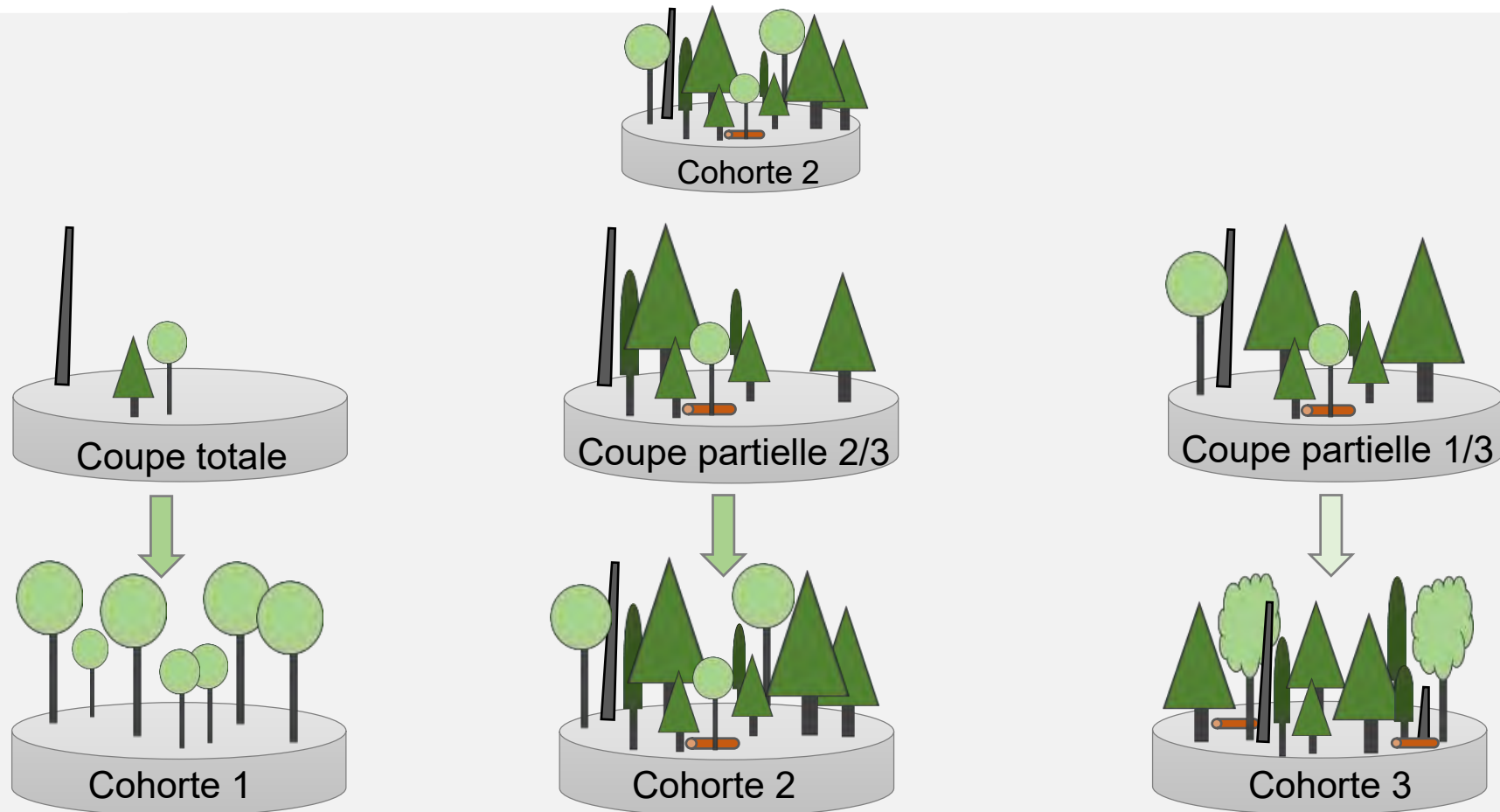


Résistance?

Capacité d'un système à rester inchangé lorsqu'il est soumis à une perturbation
(Halpern, 1988).

Résilience?

Capacité d'un système à retrouver les structures et fonctions de ses états de référence après une perturbation
(Gunderson, 2000)



- Structure et composition arbustive
- Régénération
- Facteurs d'habitats

Traitements sylvicoles



Résistance?

Capacité d'un système à rester inchangé lorsqu'il est soumis à une perturbation (Halpern, 1988).

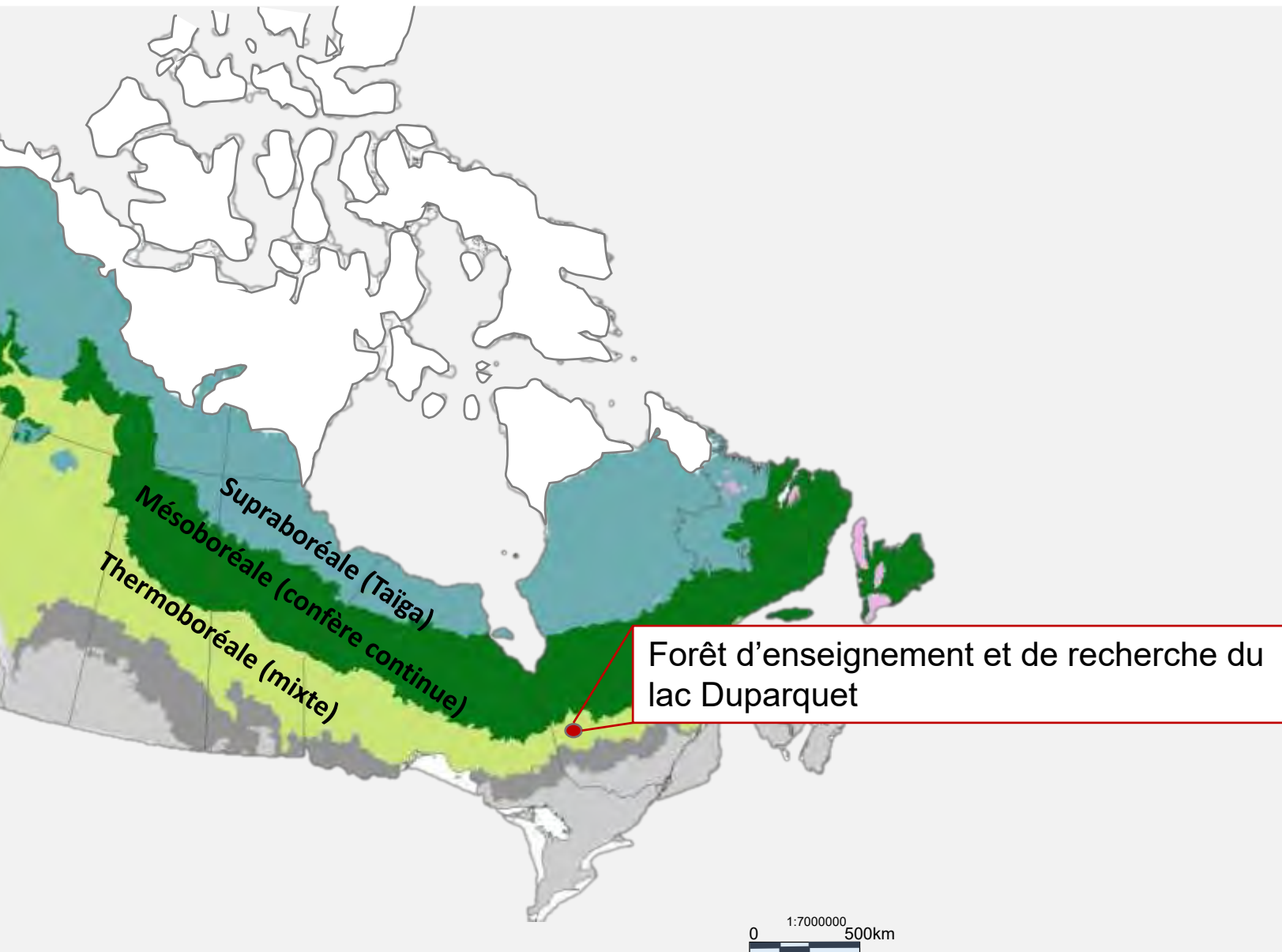
Résilience?

Capacité d'un système à retrouver les structures et fonctions de ses états de référence après une perturbation (Gunderson, 2000)



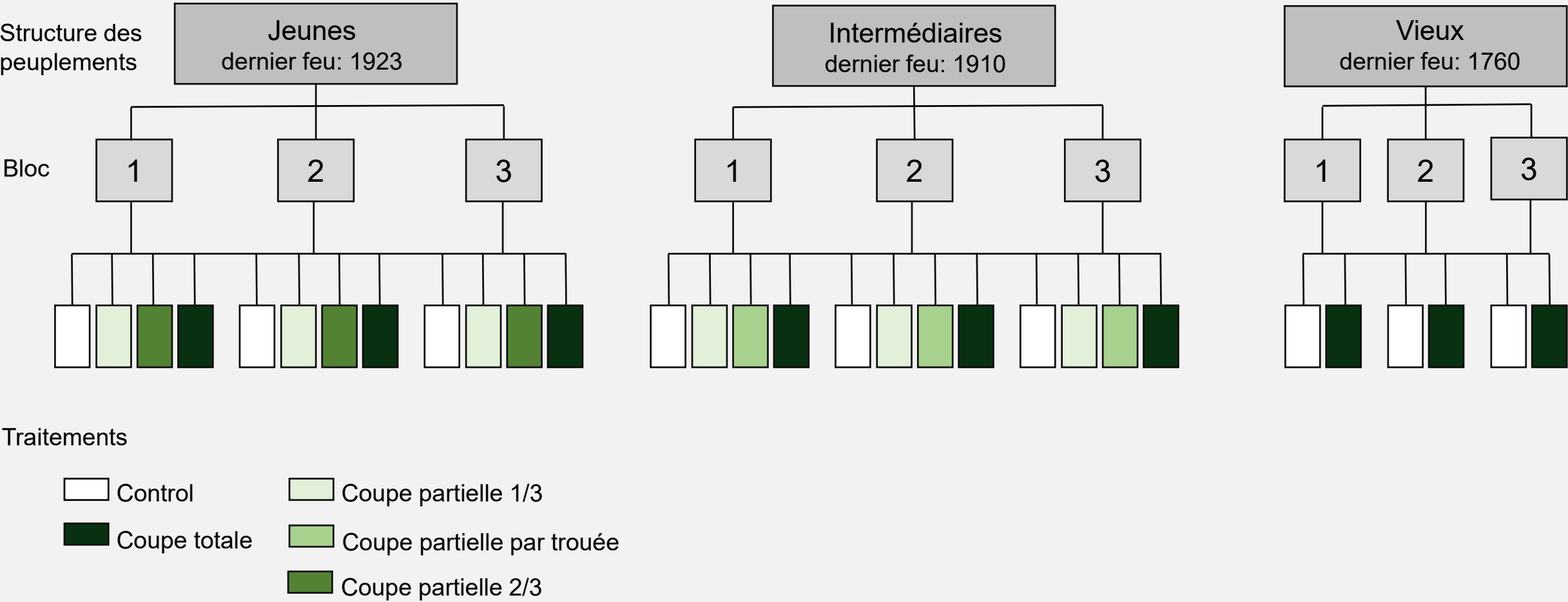
Méthodologie

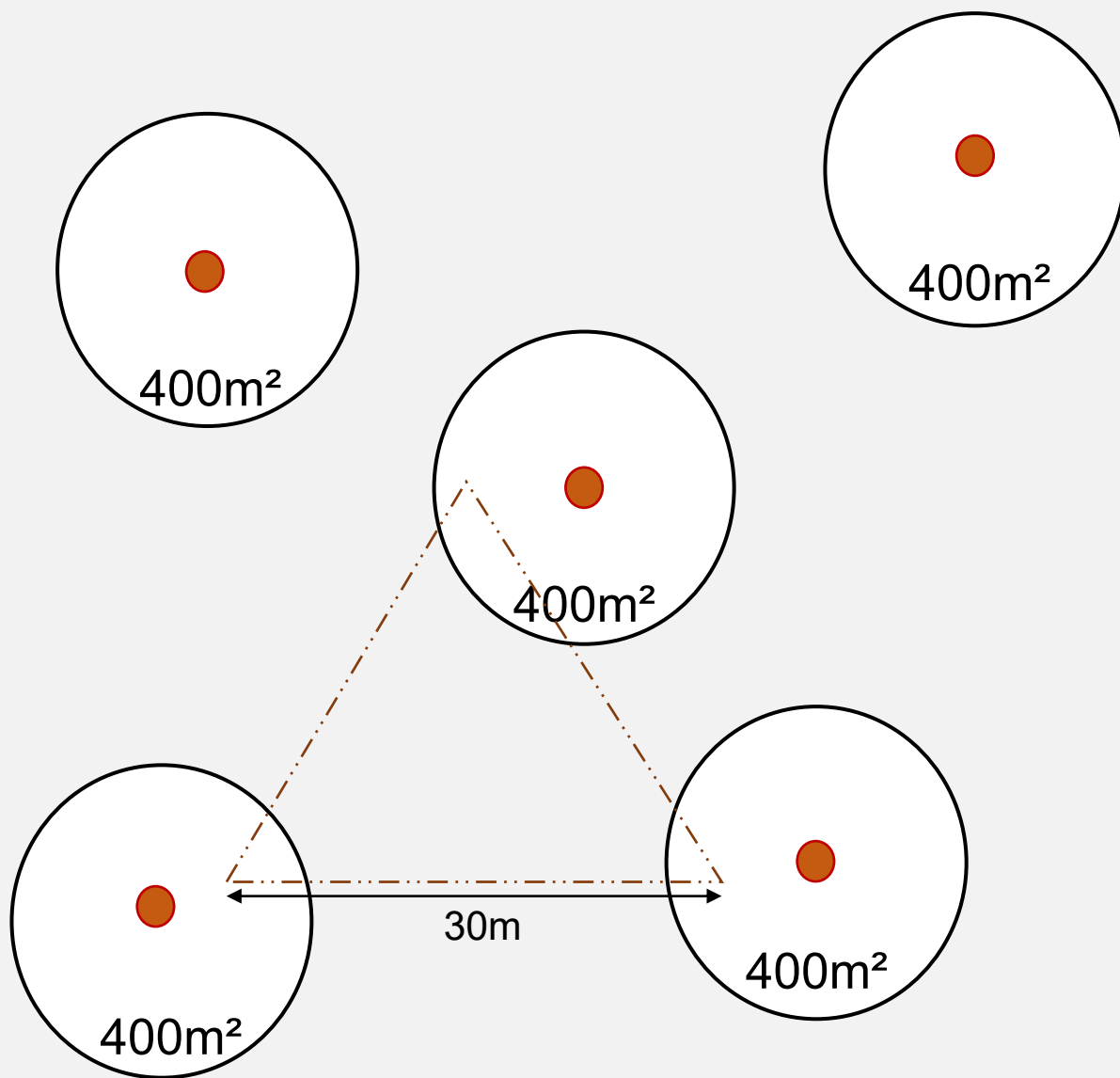




Source: Baldwin et al. (2013)

SAFE
Sylviculture en Aménagement Forestier Ecosystémique

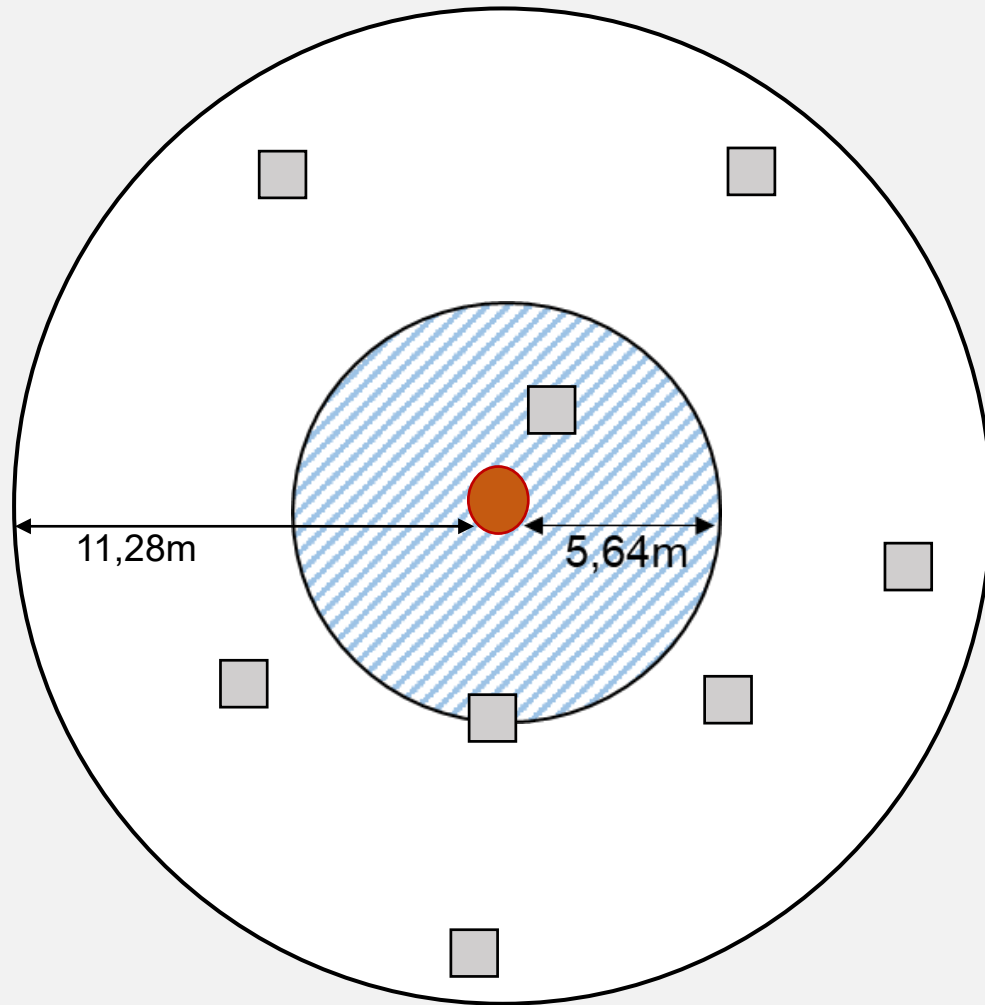




● stations météo: $T^{\circ}\text{C}$, humidité du sol
ouverture de canopée

△ débris ligneux: stade de décomposition, diamètres





- stations météo: T°C, humidité du sol
- ouverture de canopée
- arbres: espèces, diamètres, états
- gaules: espèces, diamètres
- semis: espèces



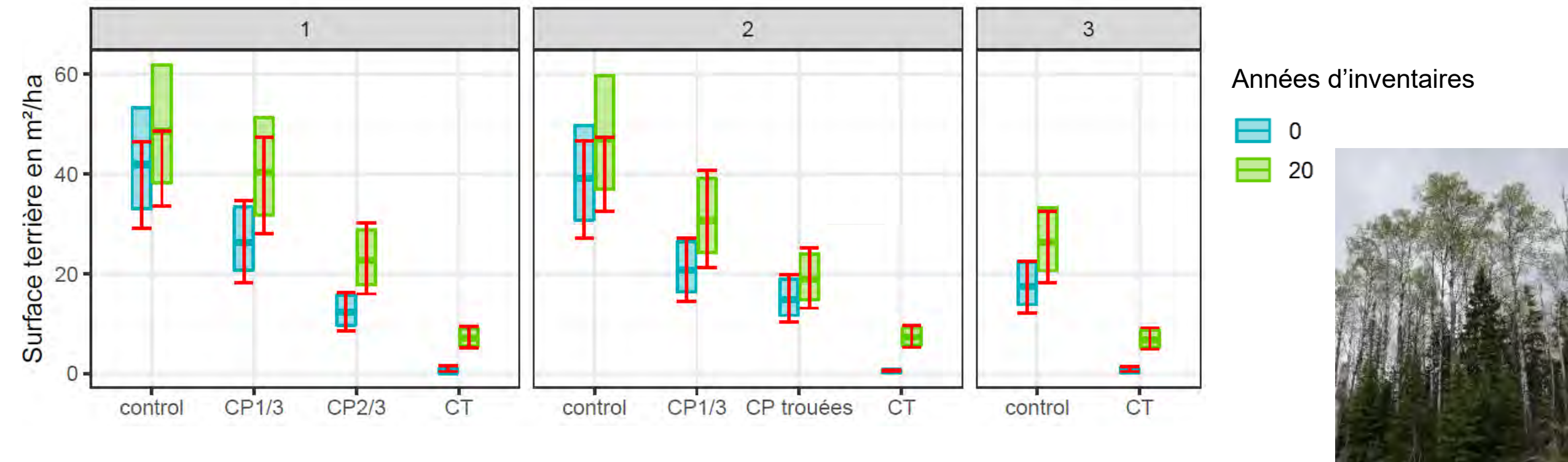


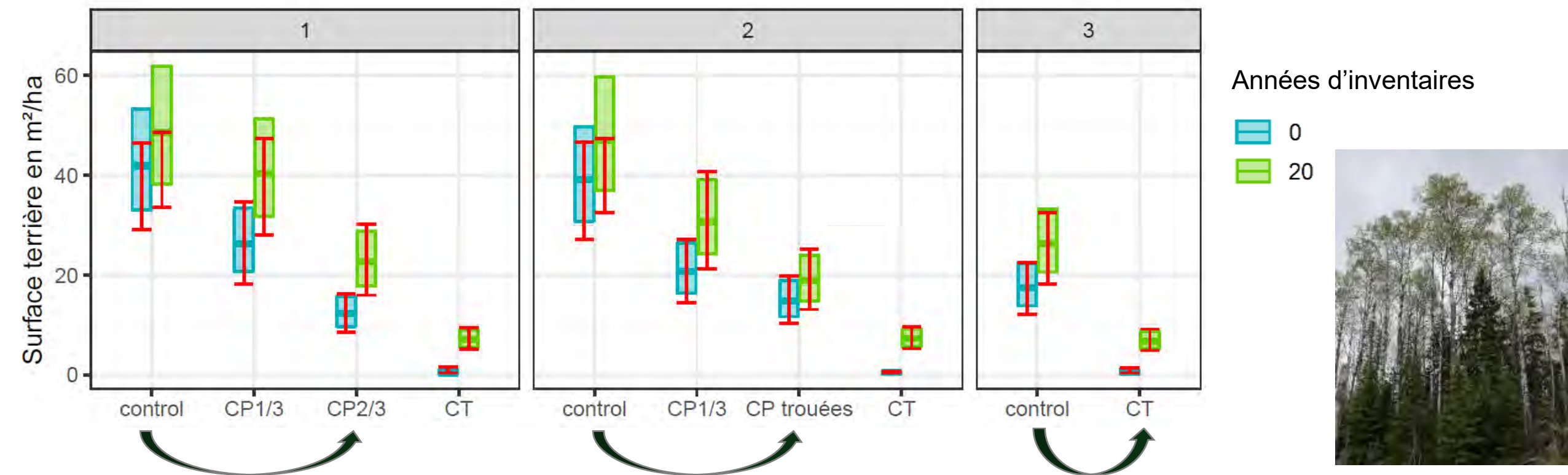
Structure et composition : arbres

Régénération: semis

Futur: gaules





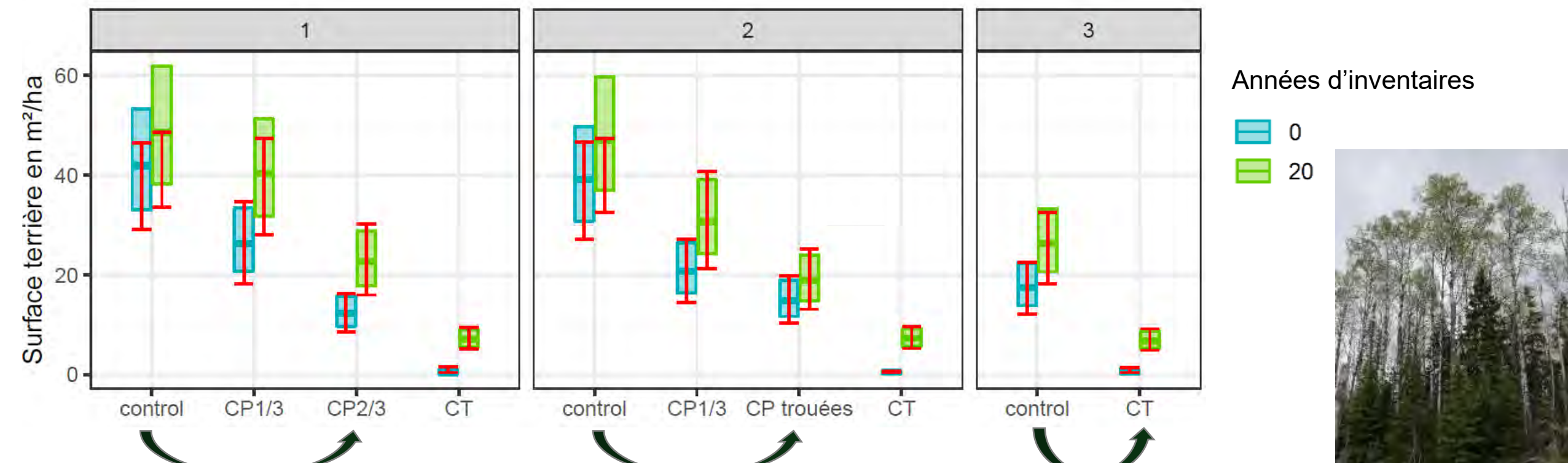


Résistance?

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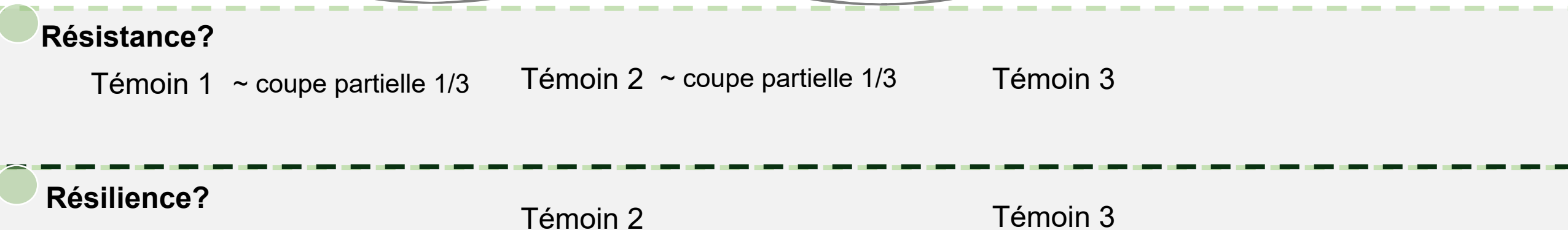
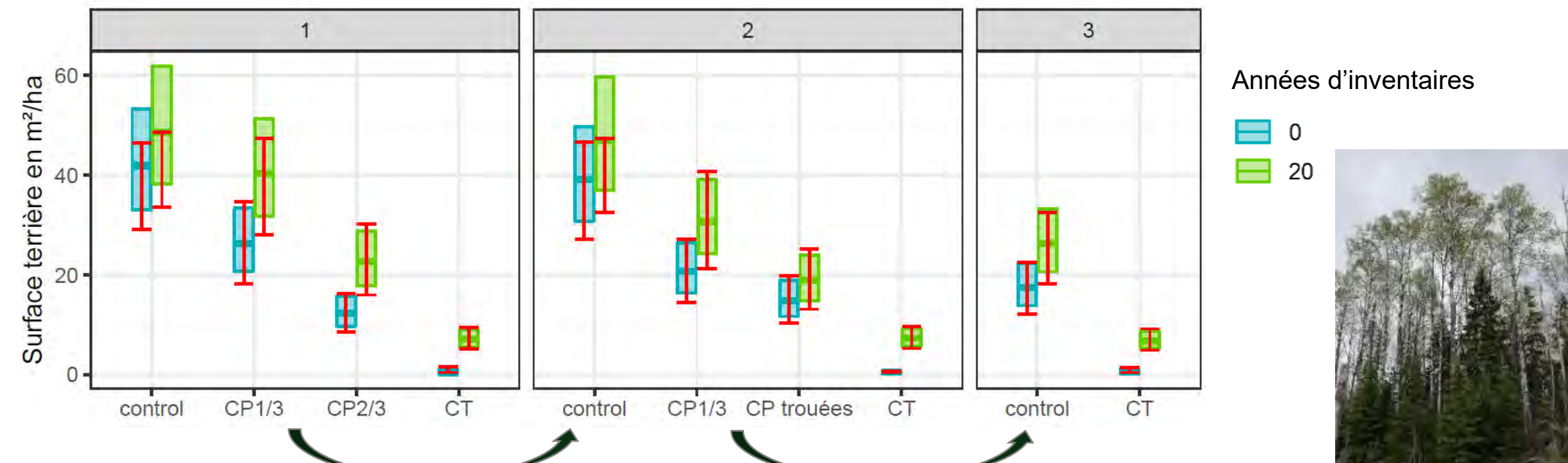
Témoin 2

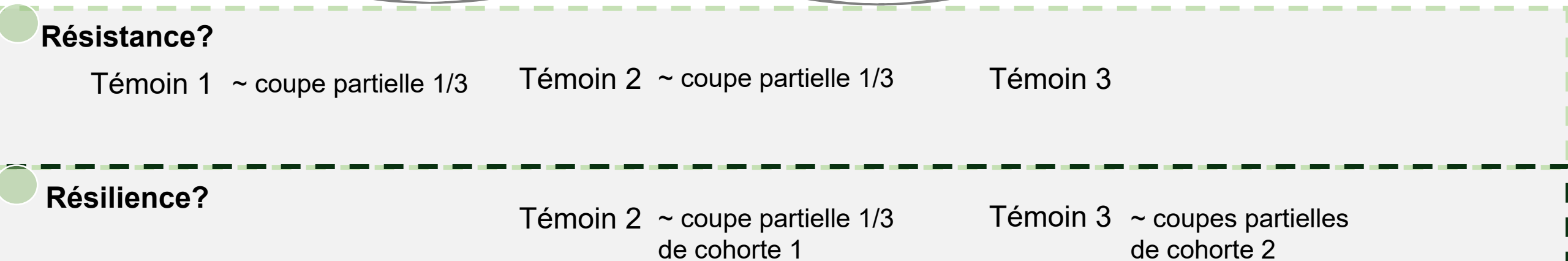
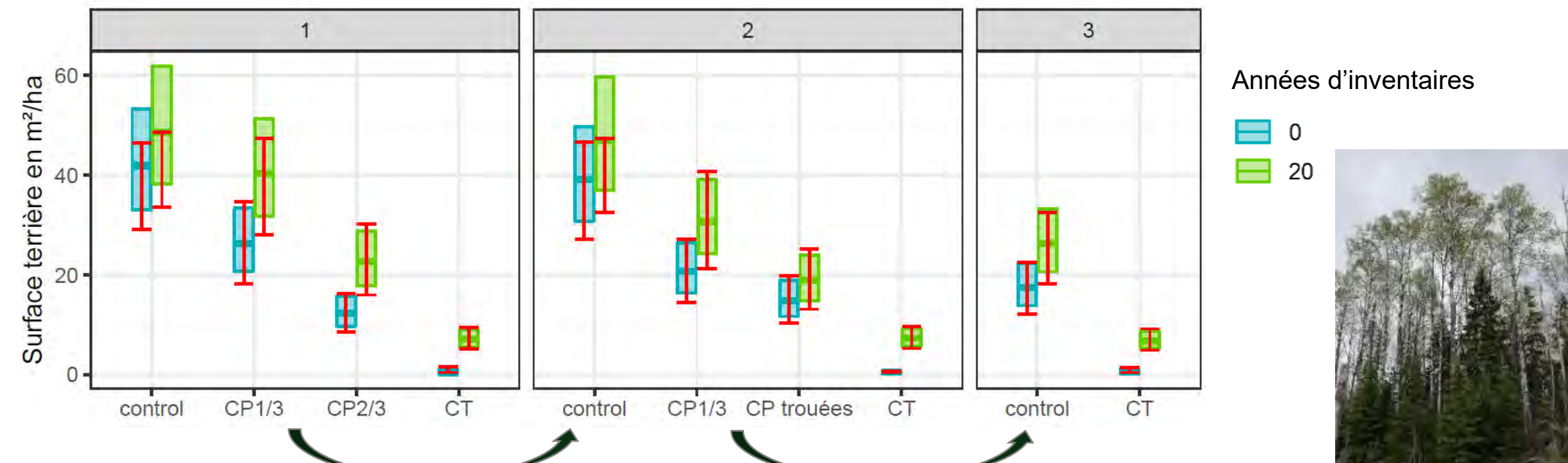
Témoin 3

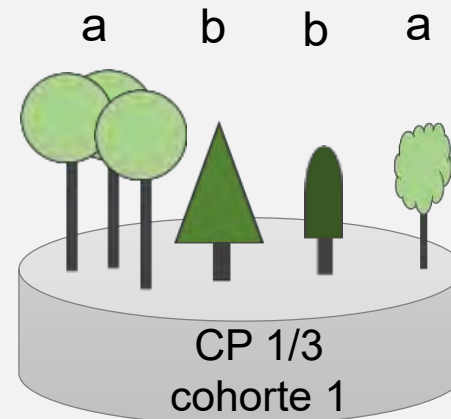
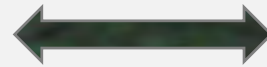
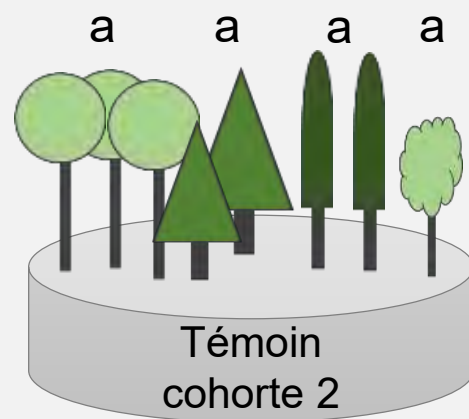


Résistance?

Témoin 1 ~ coupe partielle 1/3 Témoin 2 ~ coupe partielle 1/3 Témoin 3



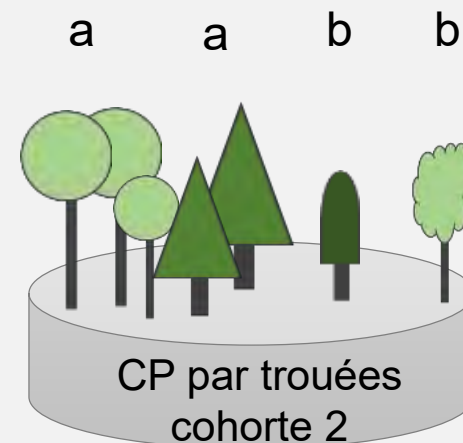
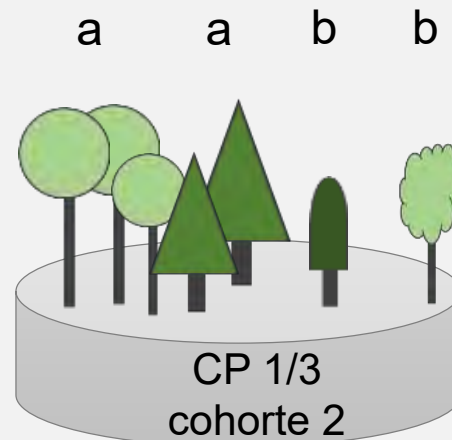
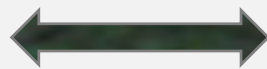
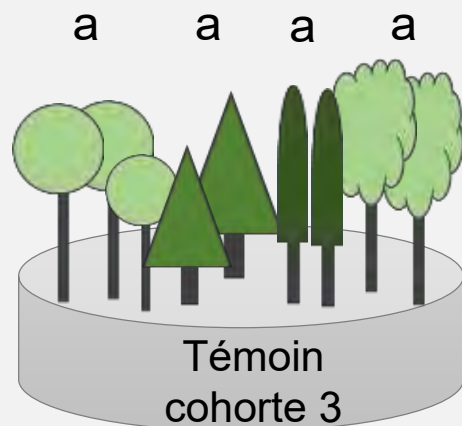
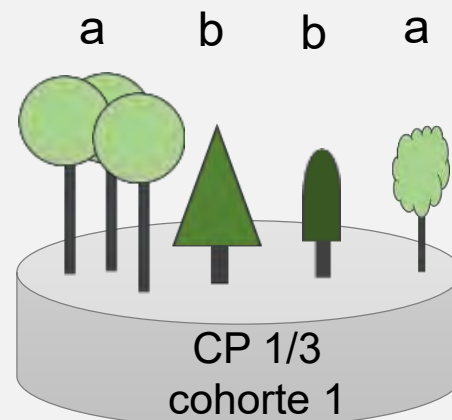
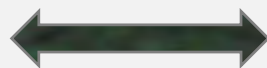
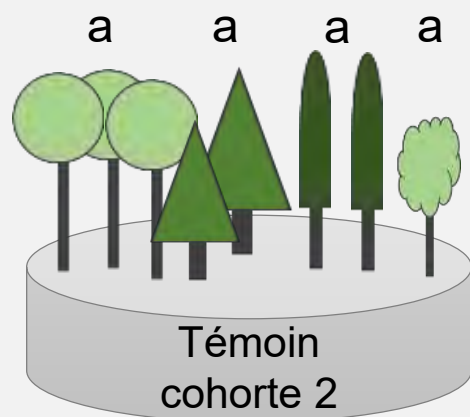


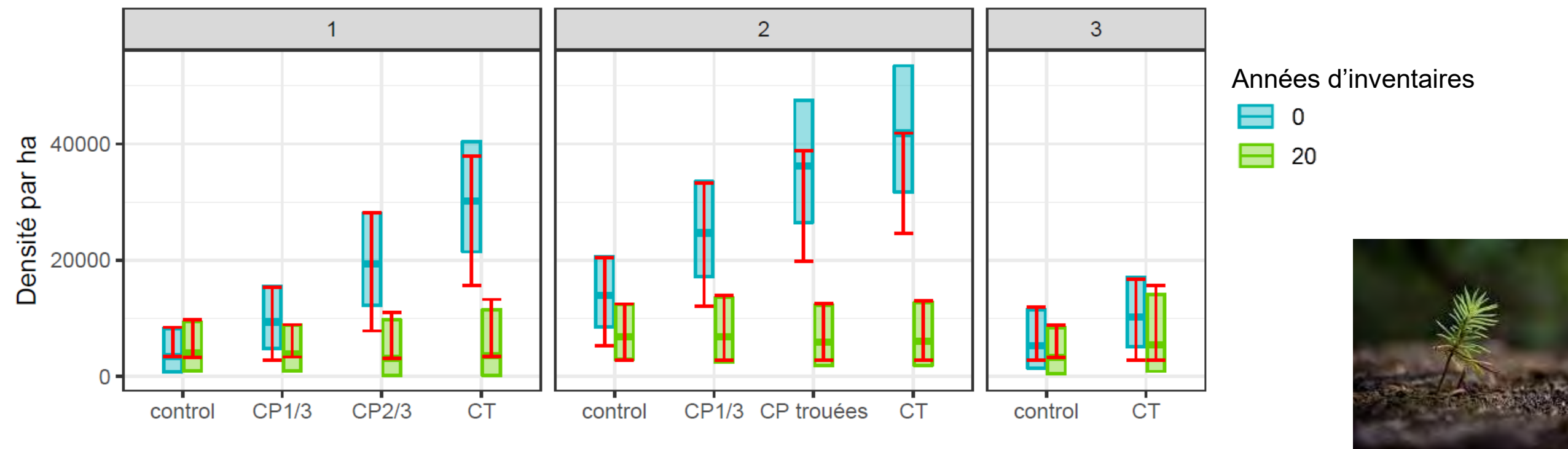


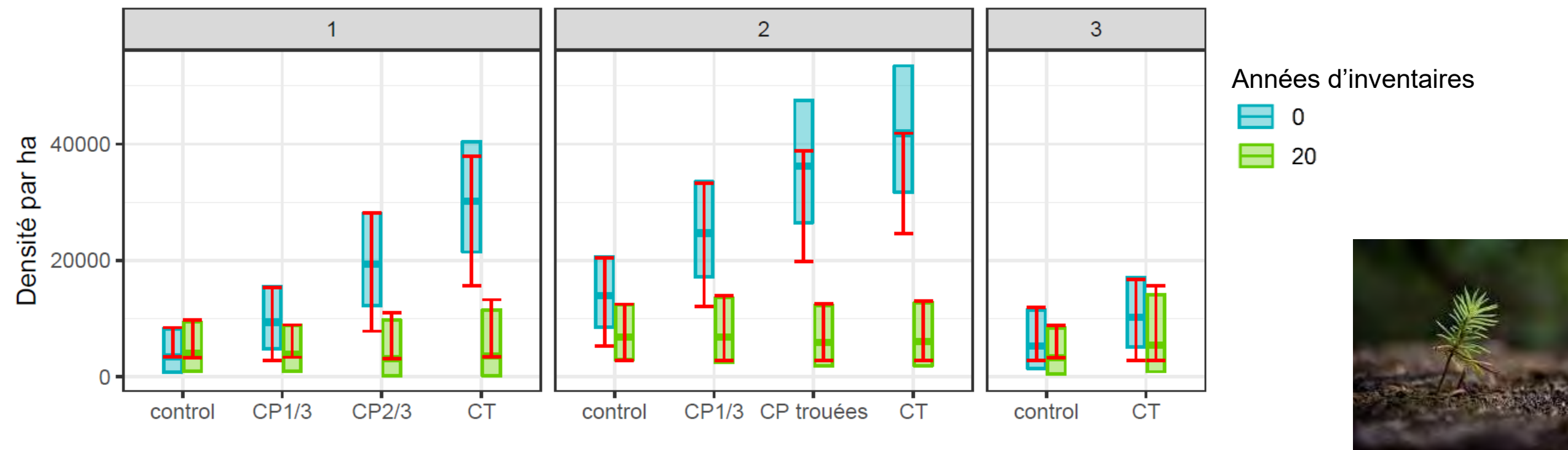
Année 20



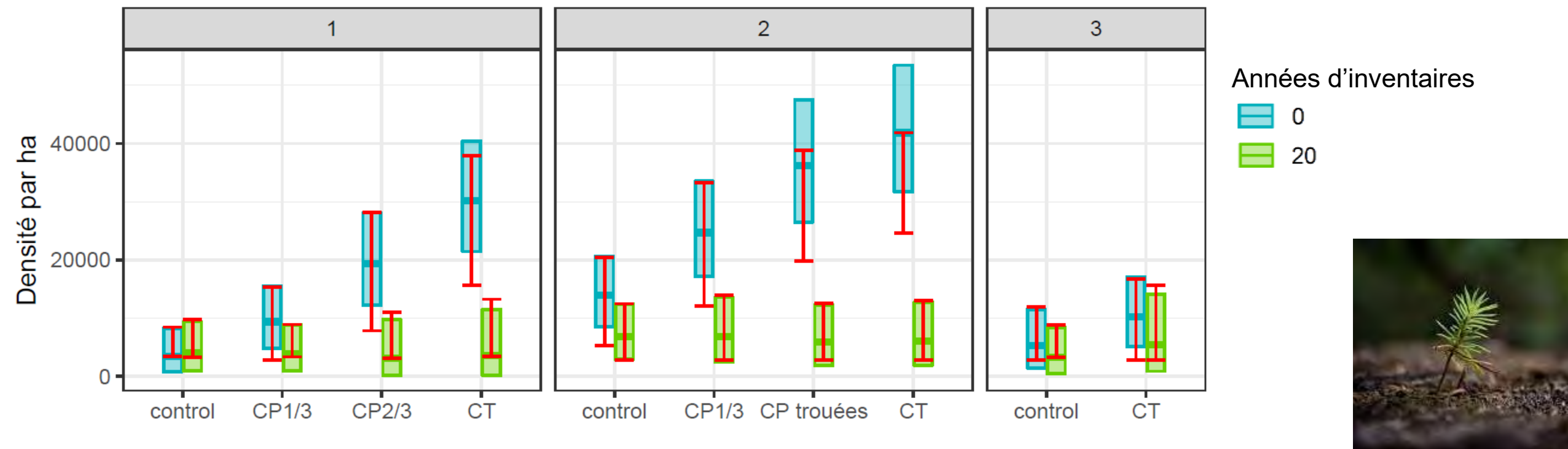
Année 20



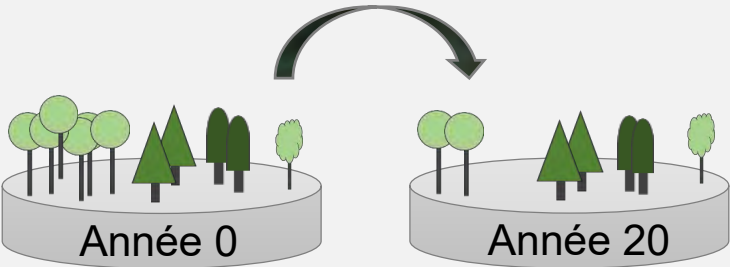




➤ Diminution du nombre de semis en 20 ans



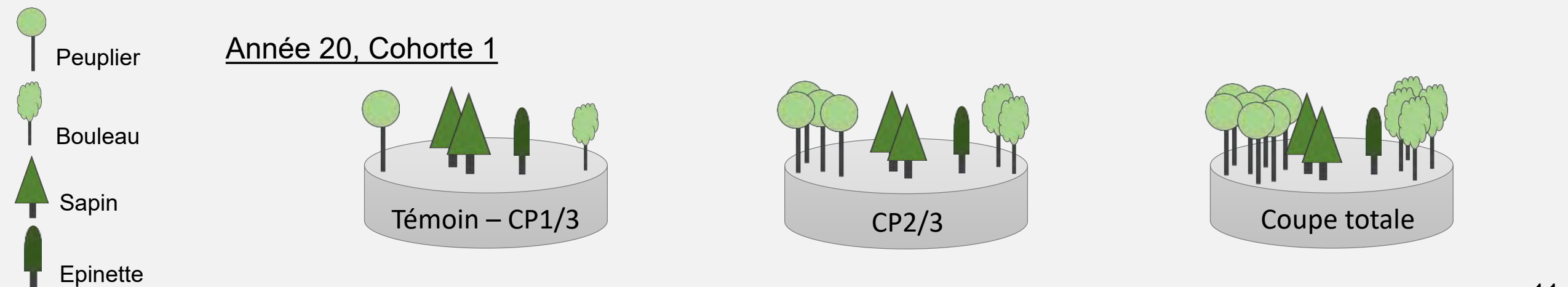
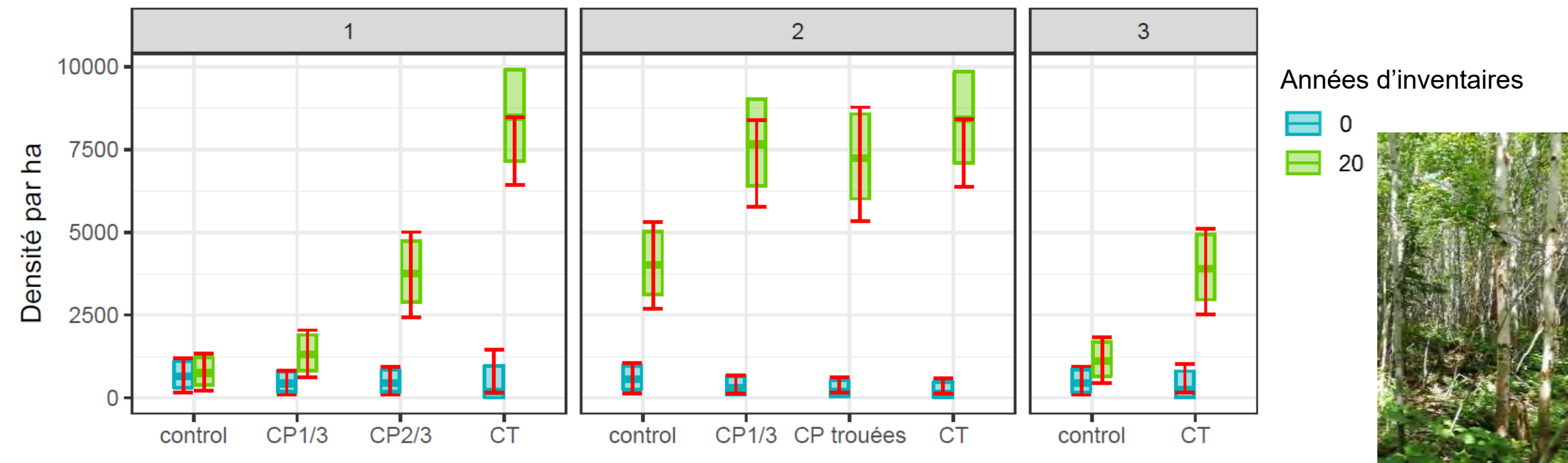
➤ Diminution du nombre de semis en 20 ans

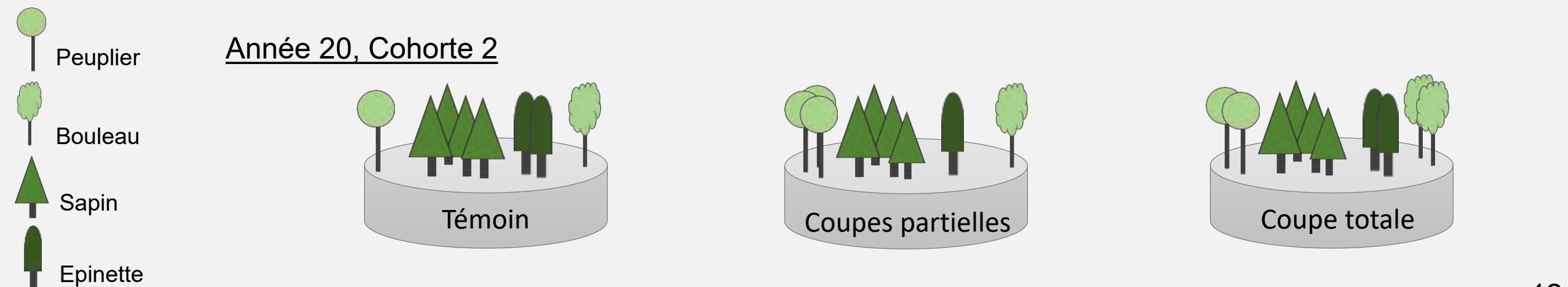
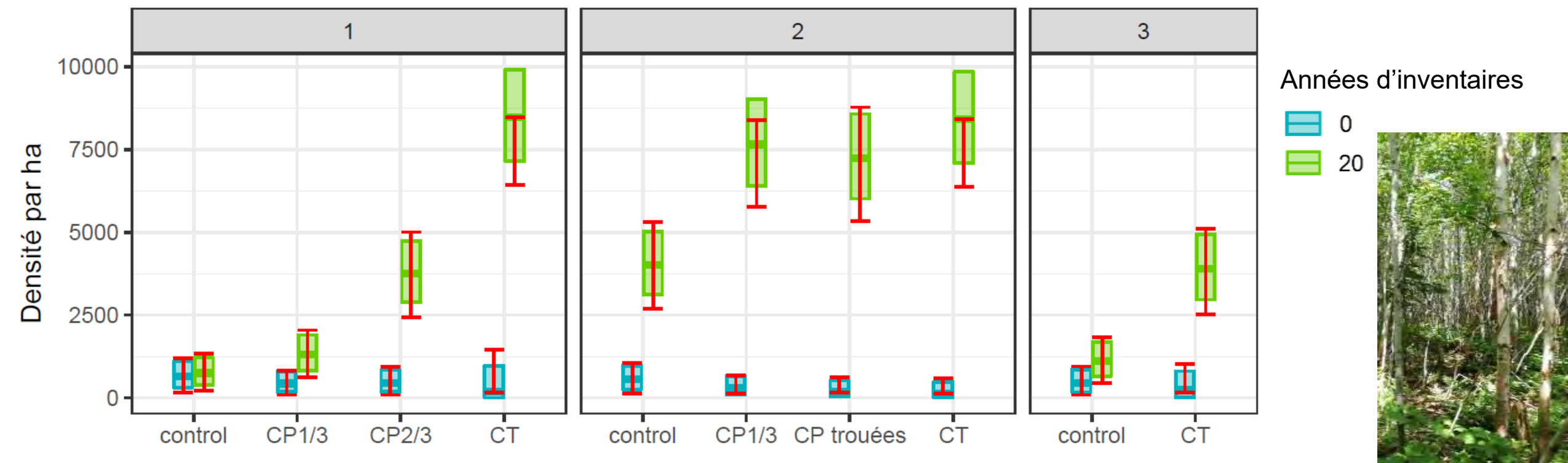


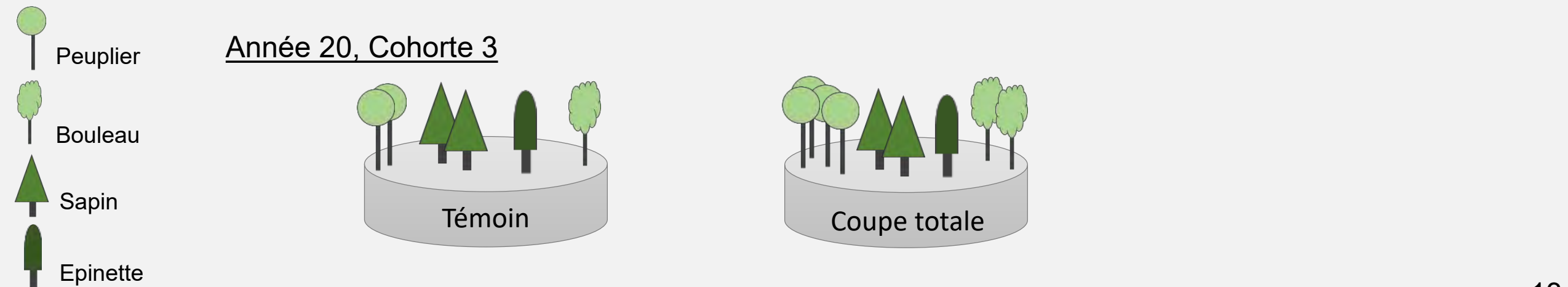
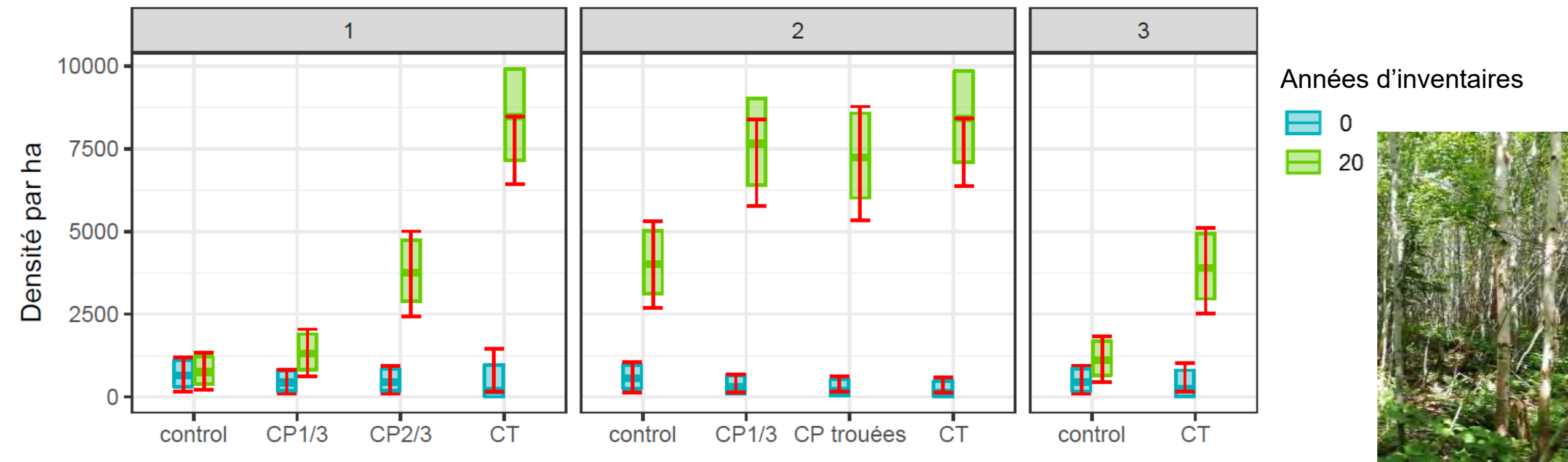




- Augmentation du nombre de gaules en 20 ans



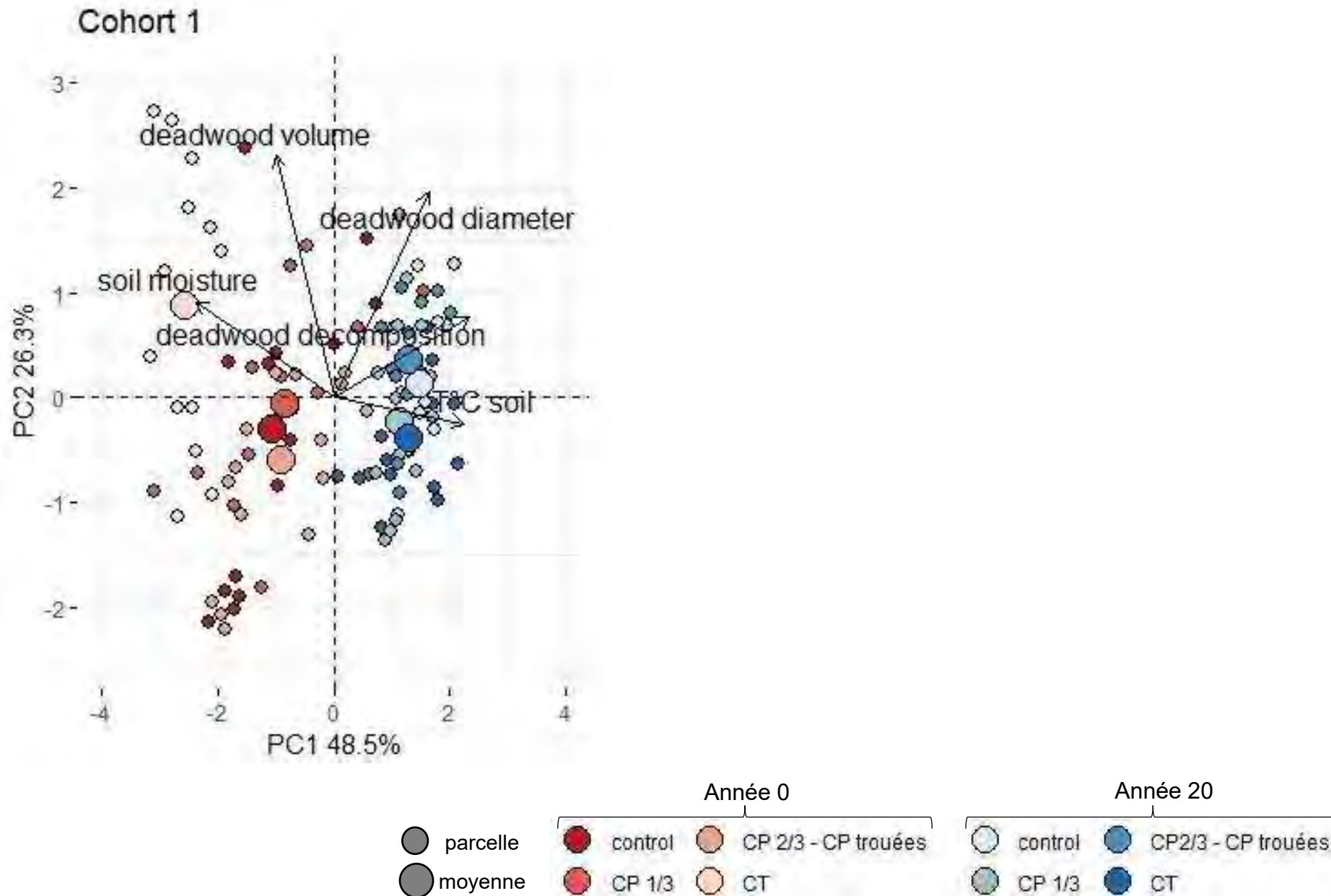


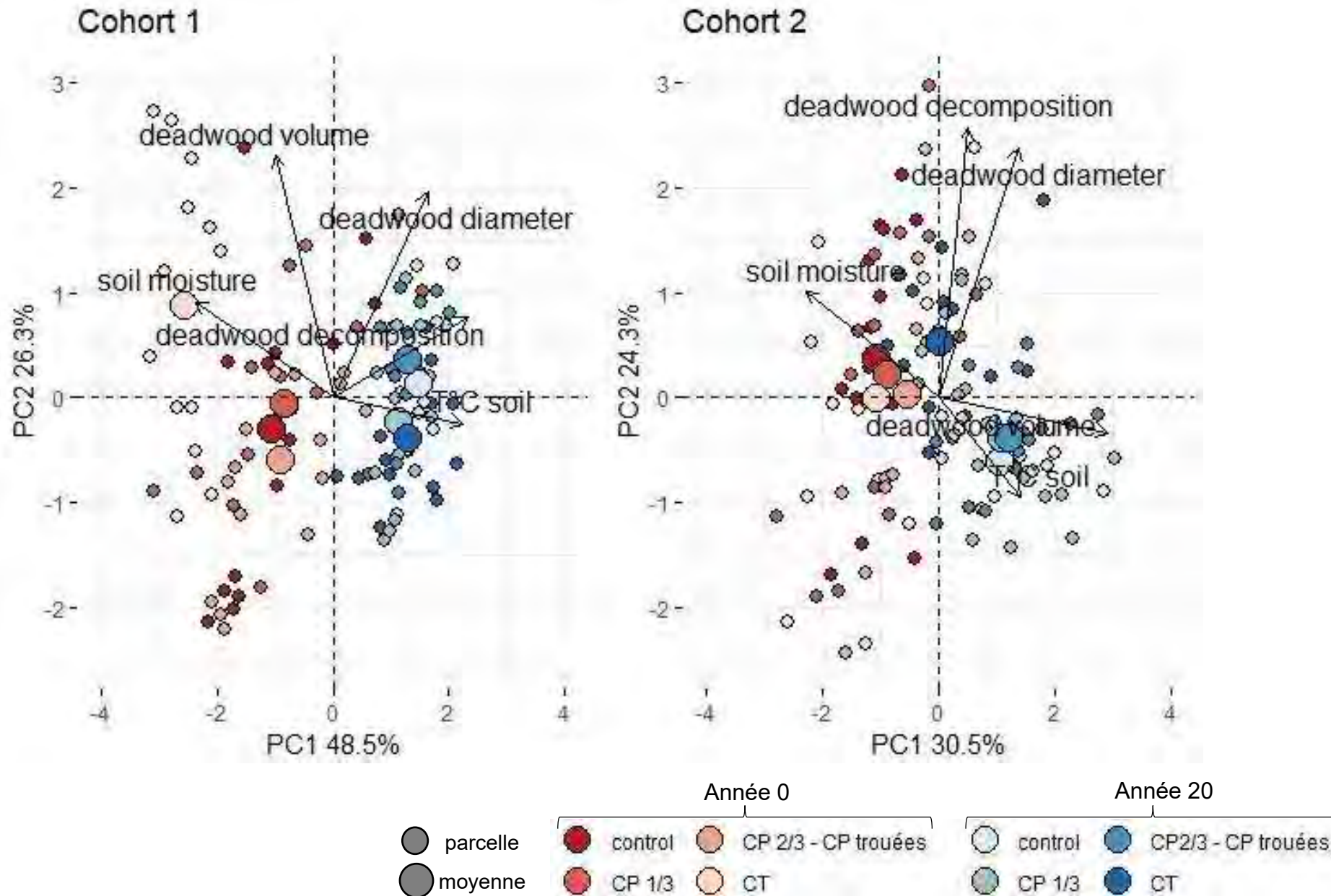


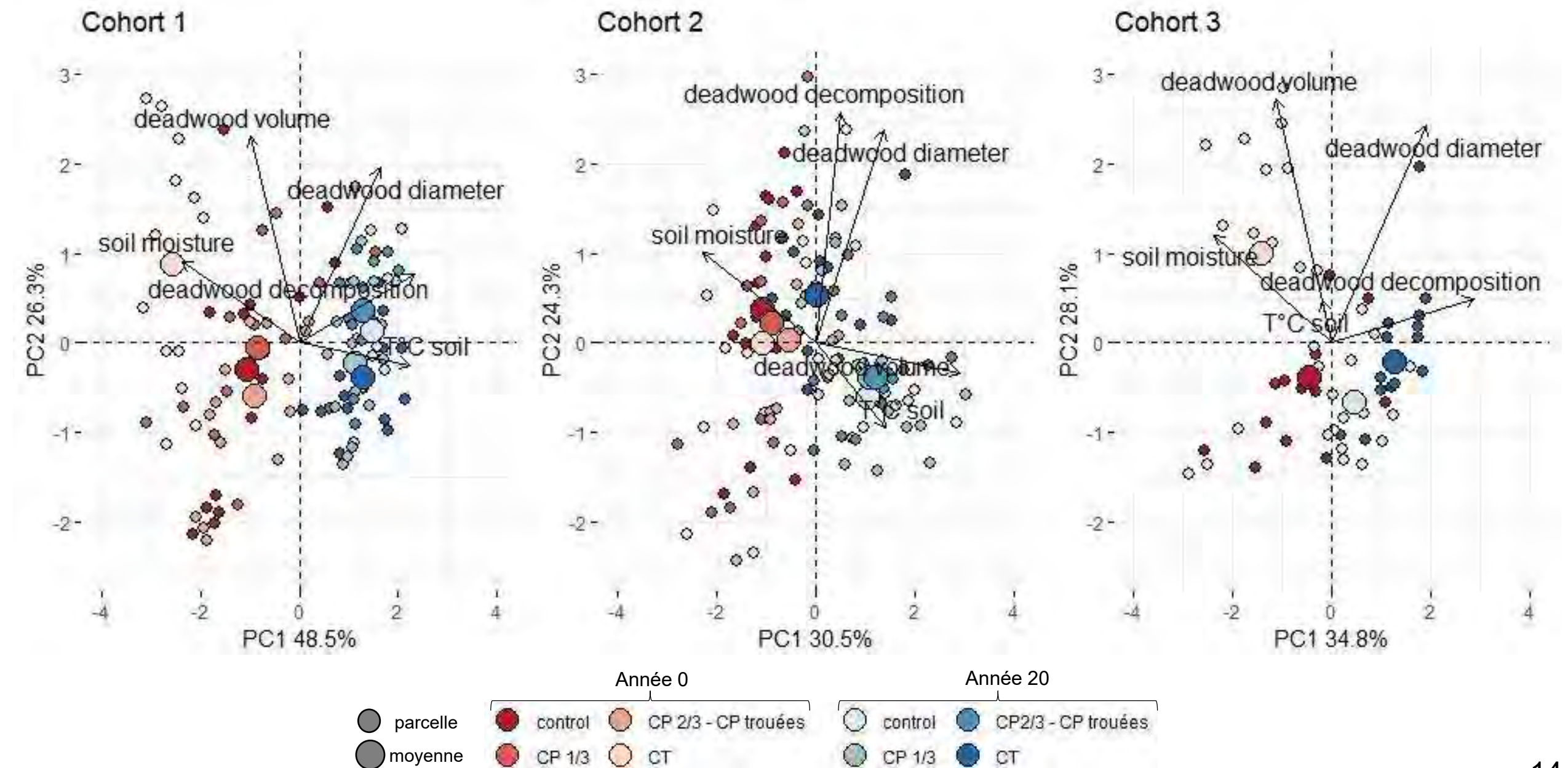


Conditions de substrats





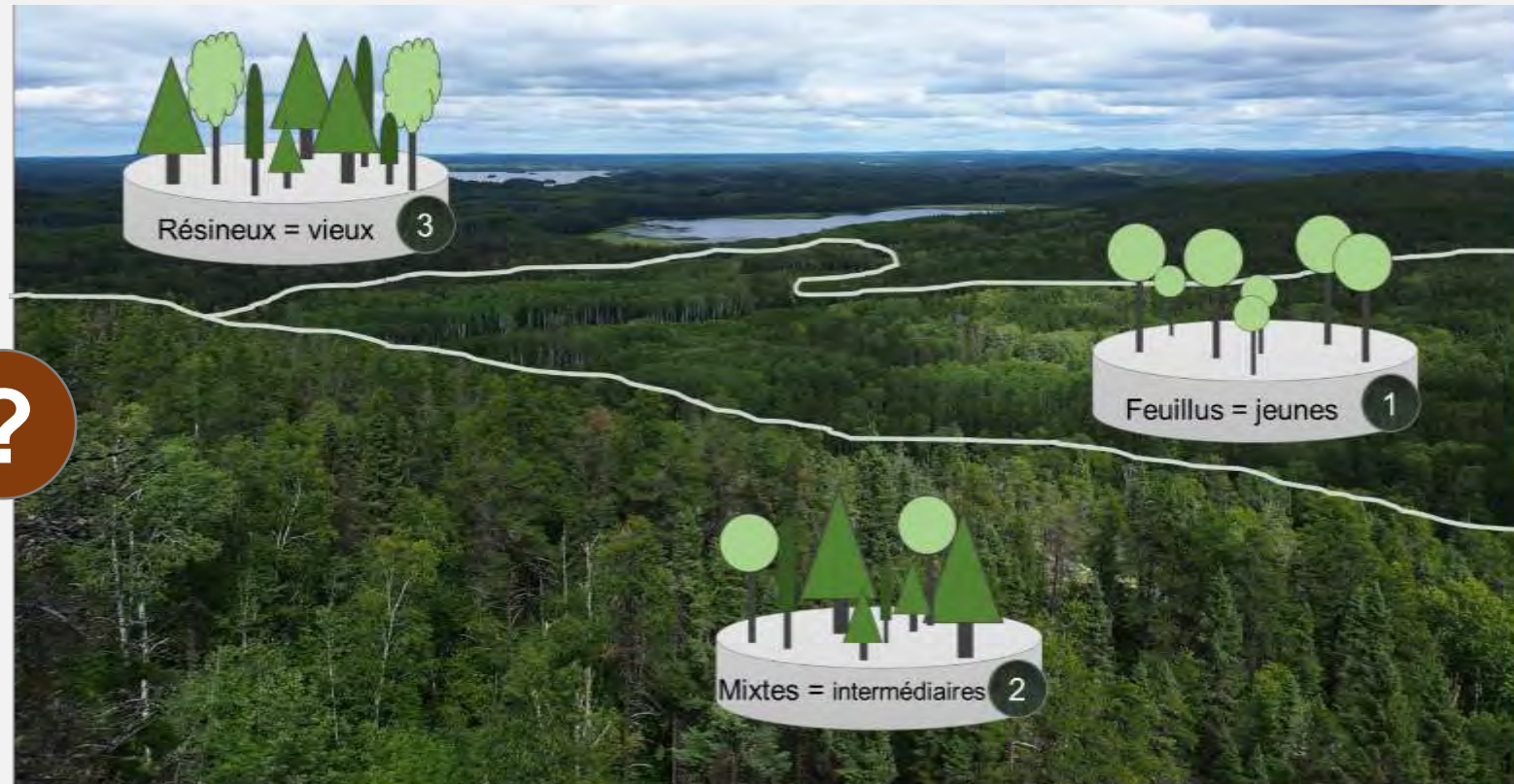
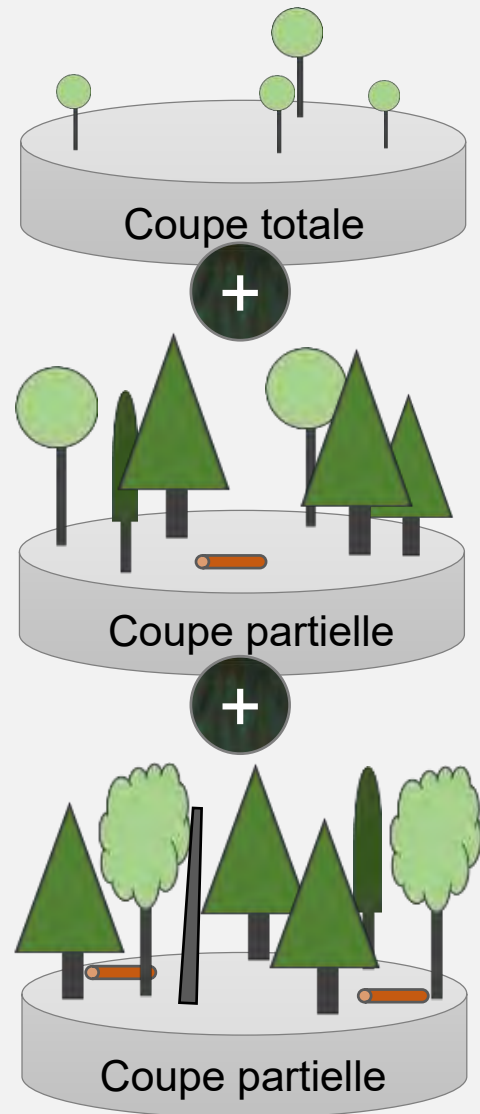


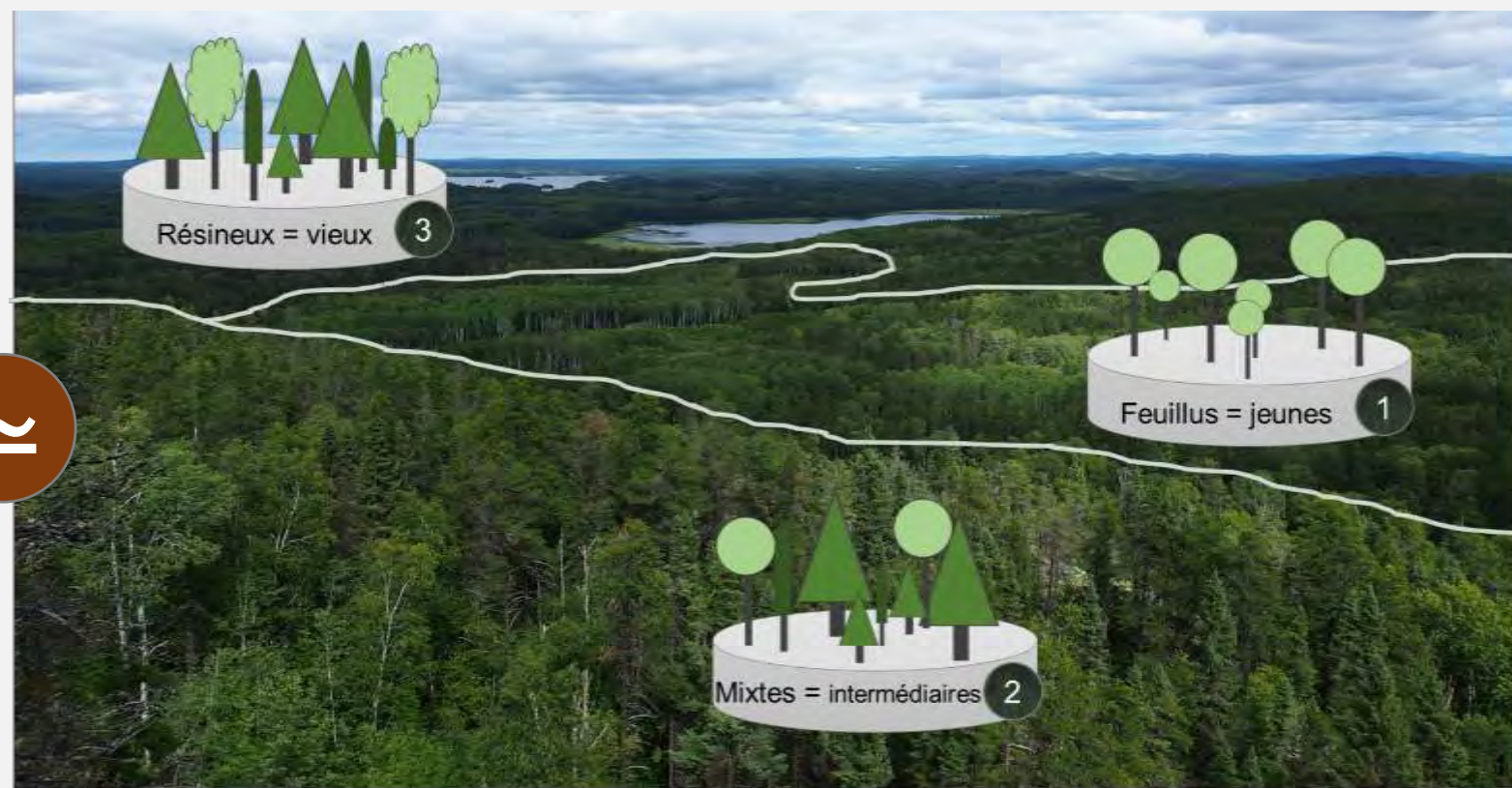
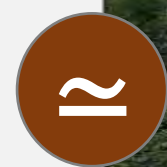
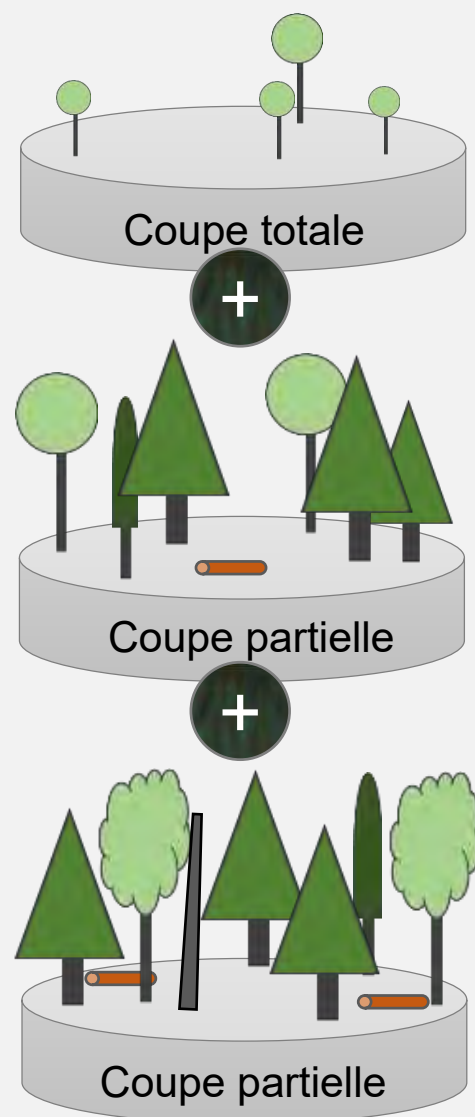




Conclusion









PRODUITS FORESTIERS
GREENFIRST
FOREST PRODUCTS



UQAT
UNIVERSITÉ DU QUÉBEC
EN ABITIBI-TÉMISCAMINGUE

Chaire
INDUSTRIELLE CRSNG - UQAT - UQAM
**en aménagement
forestier durable**

Merci

