

National programme for the conservation of forest genetic resources in France

Aurore Desgroux, Cécile Joyeau, C. Bastianelli, Francois Lefèvre

▶ To cite this version:

Aurore Desgroux, Cécile Joyeau, C. Bastianelli, Francois Lefèvre. National programme for the conservation of forest genetic resources in France. International scientific conference "Genetics to the rescue: managing forests sustainably in a changing world", Jan 2020, Avignon, France. pp.1, 2020, 10.13140/RG.2.2.10056.88323. hal-02610163

HAL Id: hal-02610163 https://hal.inrae.fr/hal-02610163v1

Submitted on 16 May 2020 $\,$

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers. L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



COMMISSION DES RESSOURCES GENETIQUES FORESTIERES

January 2020

National programme for the conservation of Forest genetic resources in France

Aurore DESGROUX^{a,#}, Cécile JOYEAU^a, Carole BASTIANELLI^b, François LEFEVRE^c ^a INRAE – UR EFNO Adaptive diversity of Forest trees^b French Ministry for agriculture and food – DGPE – Office of sustainable management of forest and wood ^c INRAE – URFM Ecology of Mediterranean forests; CRGF's president # CRGF's secretary: secretariat-crgf@inrae.fr (or aurore.desgroux@inrae.fr)

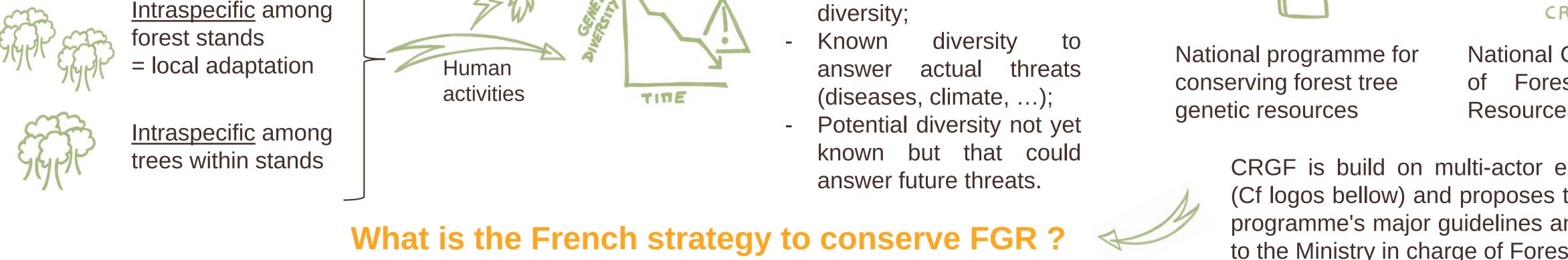
Introduction

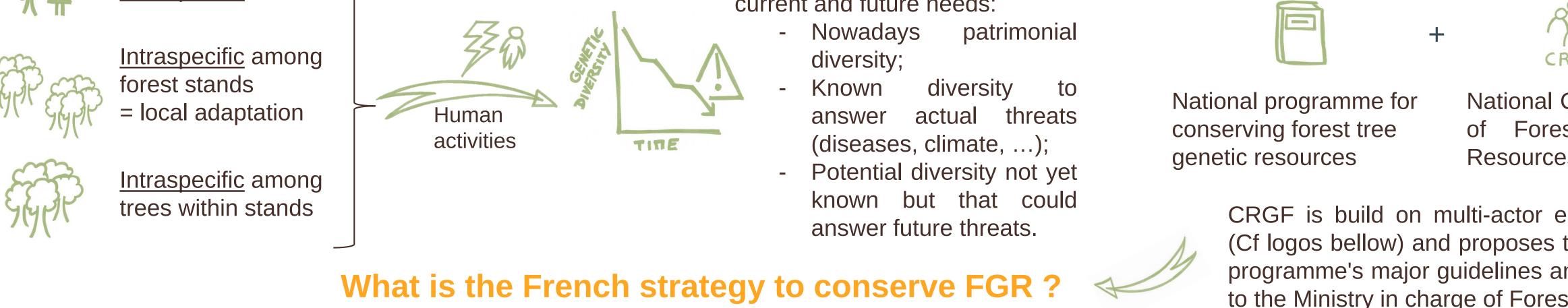


Genetic diversity is a key component of biodiversity and allows species' adaptation in changing environments. Forest genetic resources (FGR) are the heritable materials maintained within and among tree populations that are of actual or potential economic, environmental, scientific or societal value.

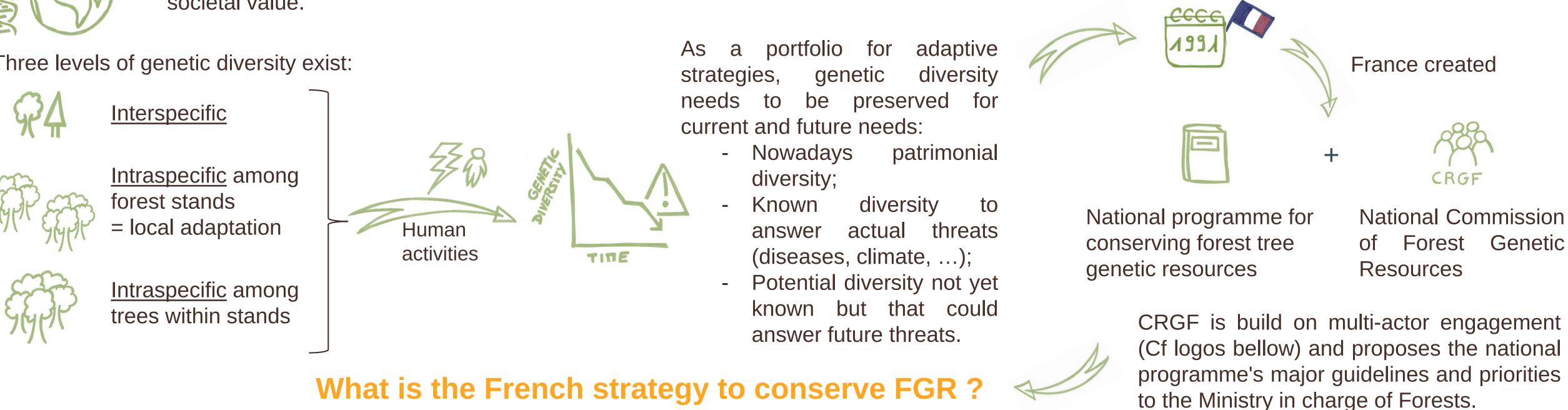
Three levels of genetic diversity exist:







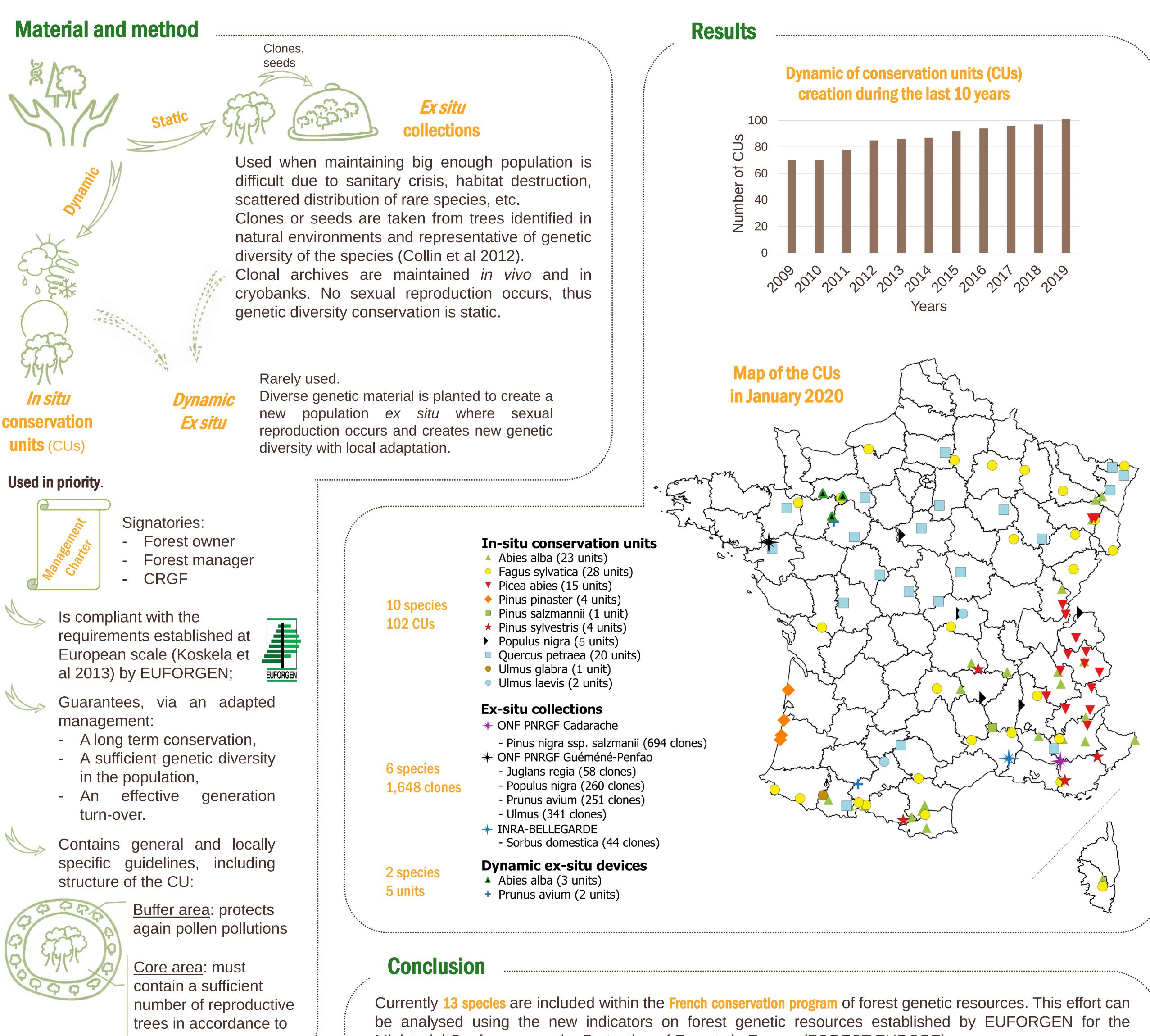
adaptive portfolio tor diversity strategies. genetic be preserved needs for to current and future needs:



Clones seeds

scattered distribution of rare species, etc. diversity of the species (Collin et al 2012).

genetic diversity conservation is static.



Siz

mall

of

seminated

dis

0

ations

trees)

repr

lations

reproductive

populations (min.

small

threatened

of

enotyl

trees)

- conservation {
- conservation {
- conservation { ά μ'

of

ŝ

conservation goal*





CNPF

RANCE NATUR NVIRONNEMEN





servatoire Botanique Natio

Ministerial Conference on the Protection of Forests in Europe (FOREST EUROPE).

A reflection is in progress to extend the existing networks in a different way, aiming to include populations of interest for conservation from other species with limited extra resources: (i) to conciliate CUs and protected areas networks based on the IUCN category IV; (ii) to establish a new type of conservation device, targeting specific populations of interest; (iii) to integer genetic conservation in a national strategy on French FGR.

