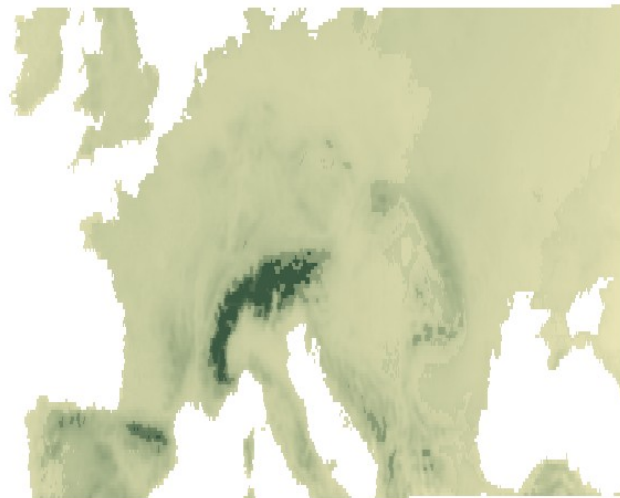


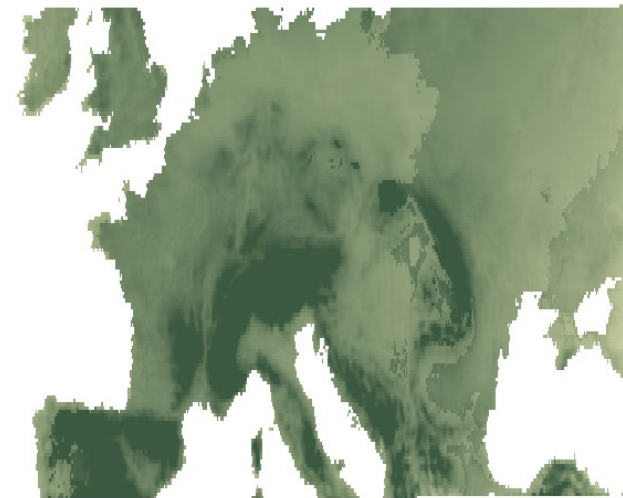
## Calibration Castanea : sortie intermédiaire *Abies*



*Sortie brute*

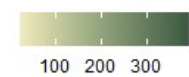
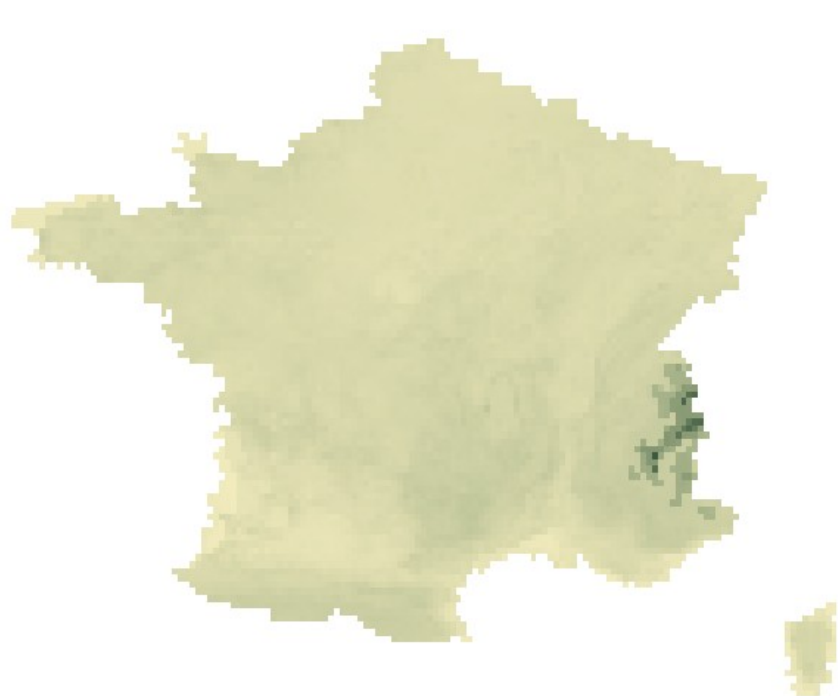


*Filtration quantile 0.99*

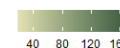
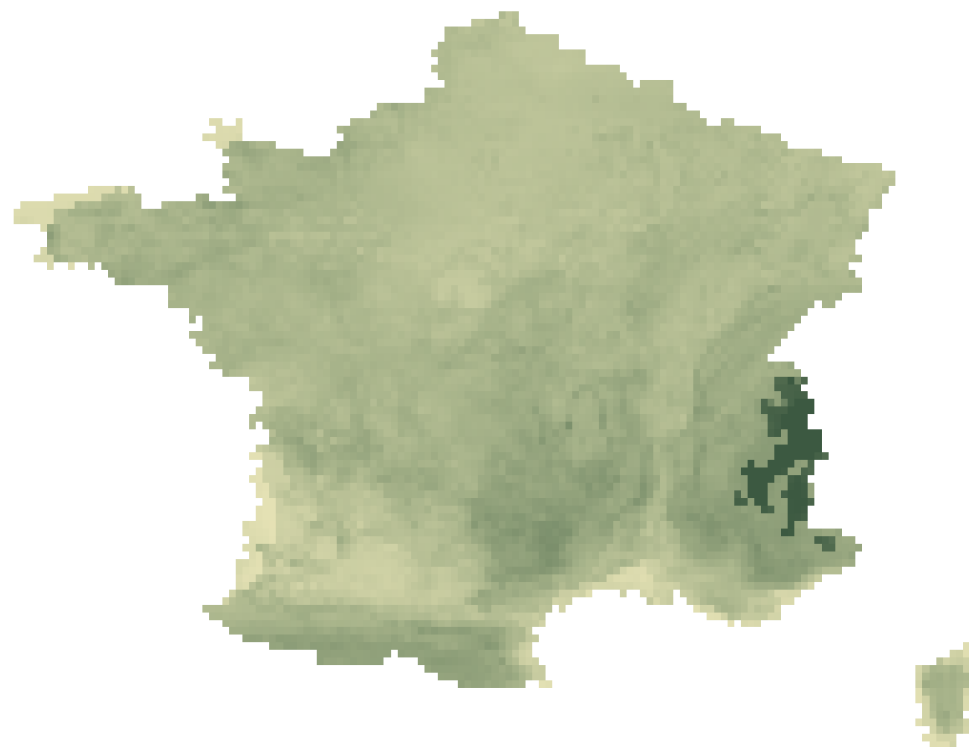


*Filtration quantile 0.9*

## Calibration Castanea : sortie intermédiaire *Fagus*

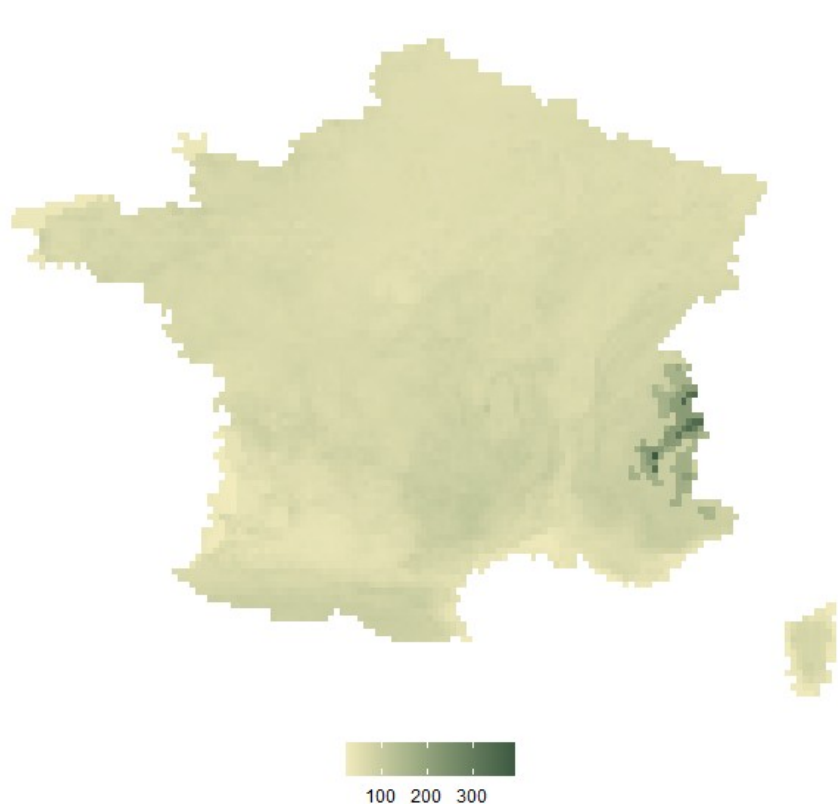


*Sortie brute*

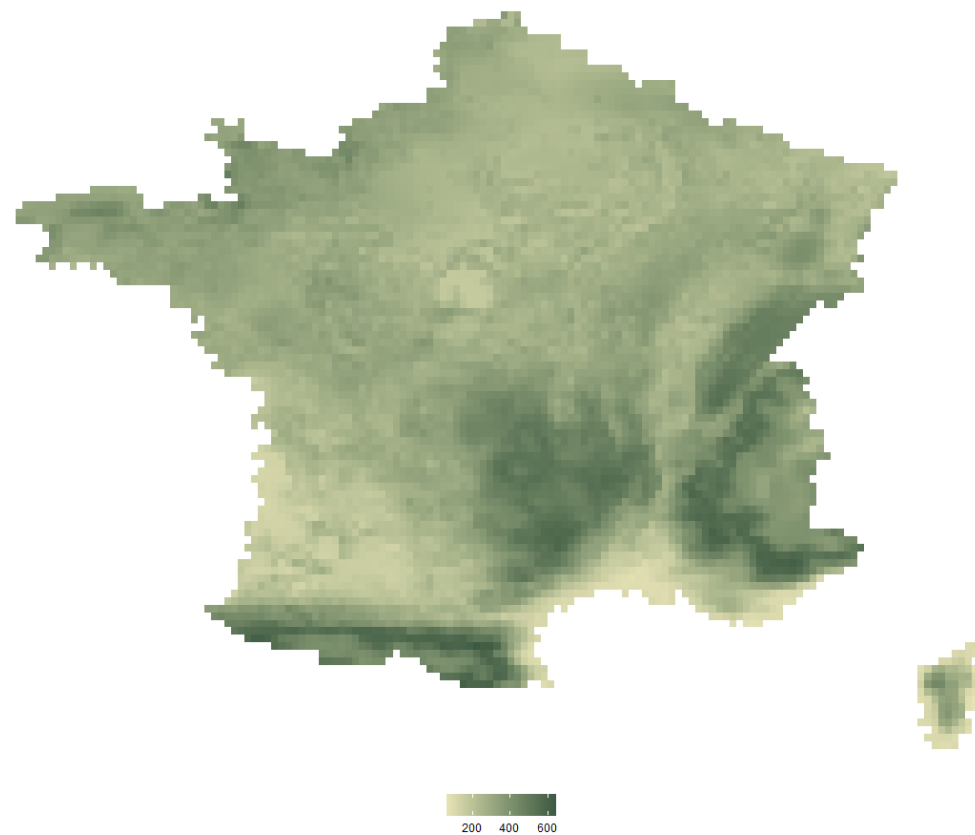


*Filtration quantile 0.99*

## Calibration Castanea : sortie intermédiaire *Fagus*

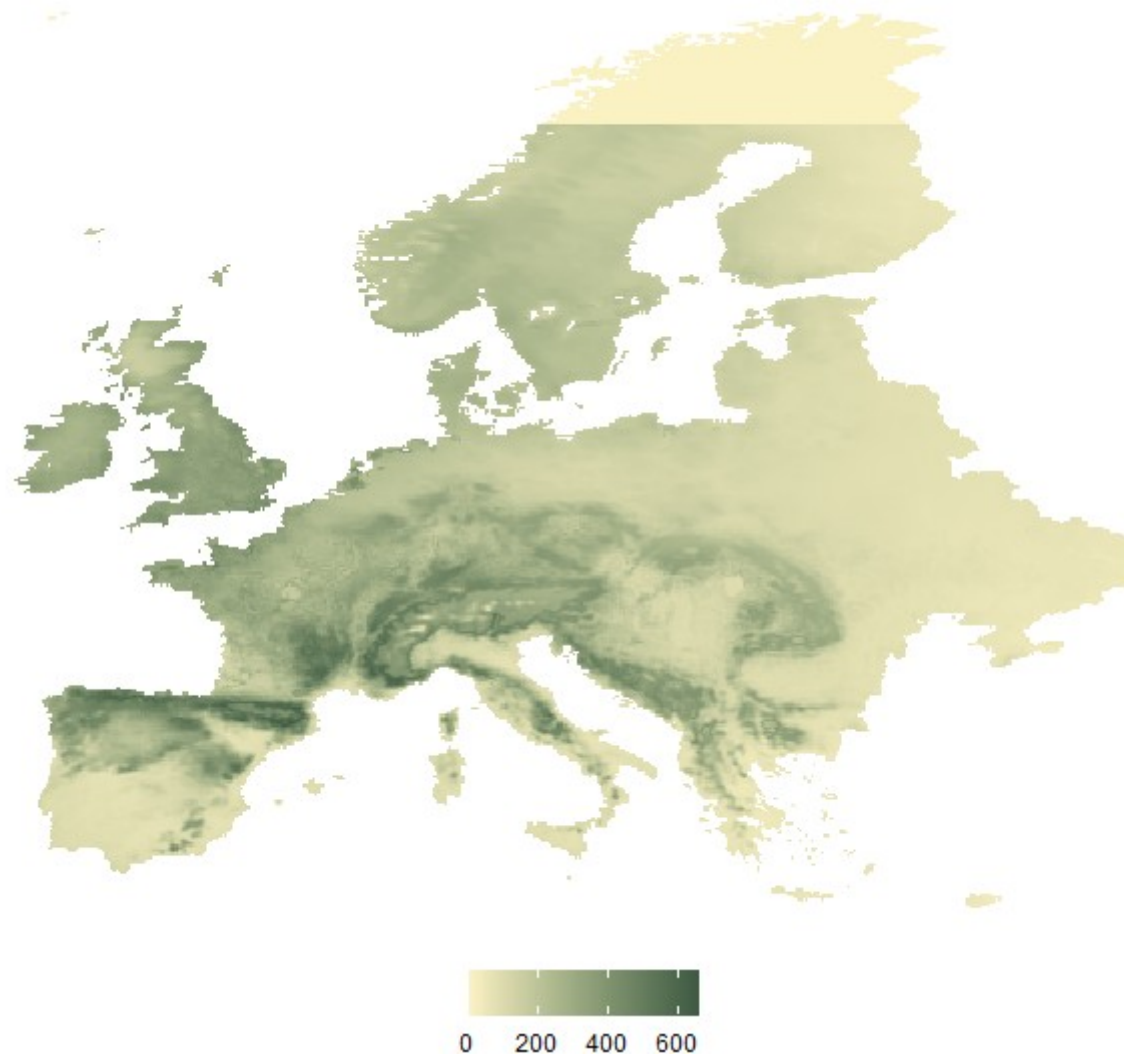


*Sortie brute, premières itérations...*

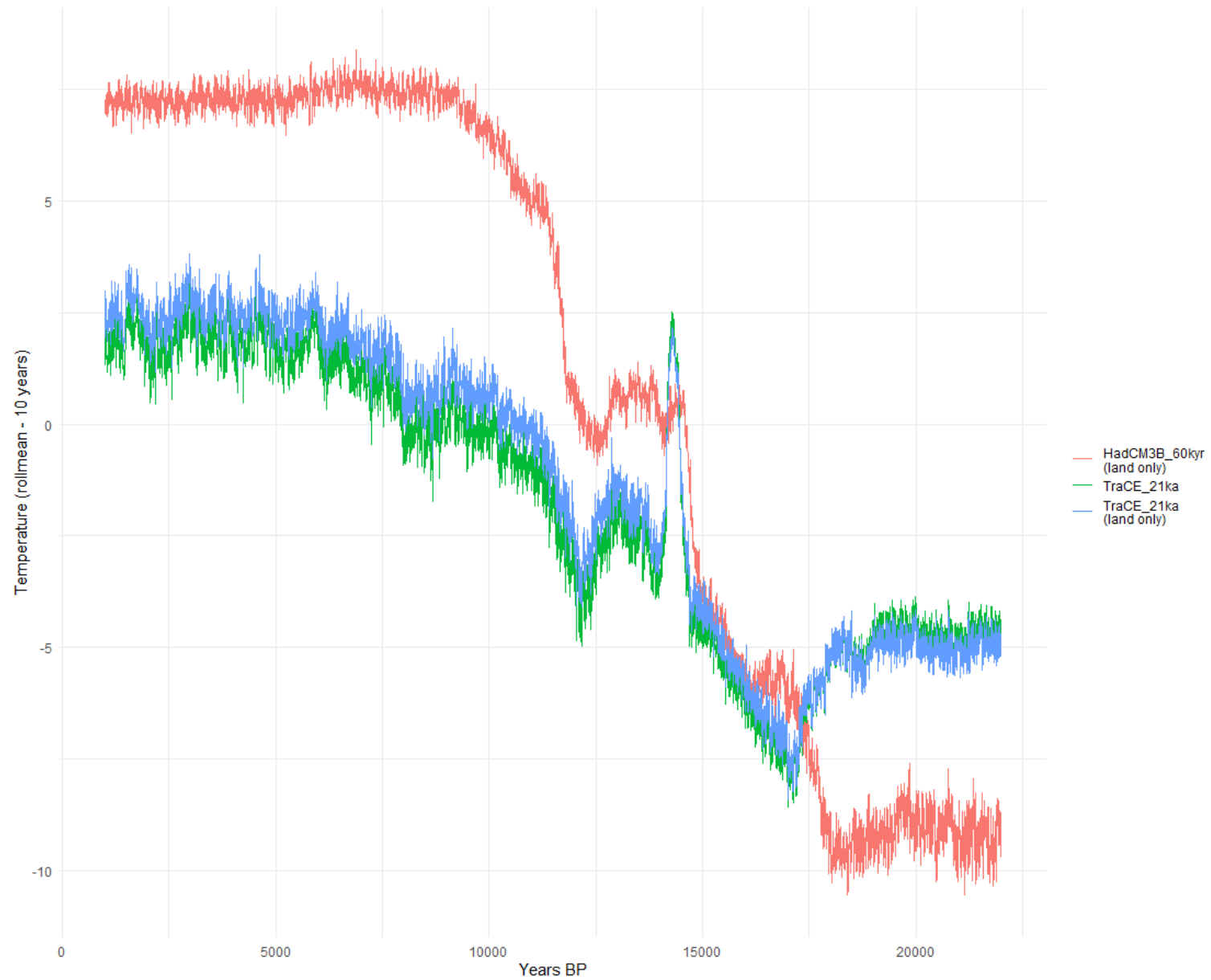


*Au bout d'une quinzaine d'itérations*

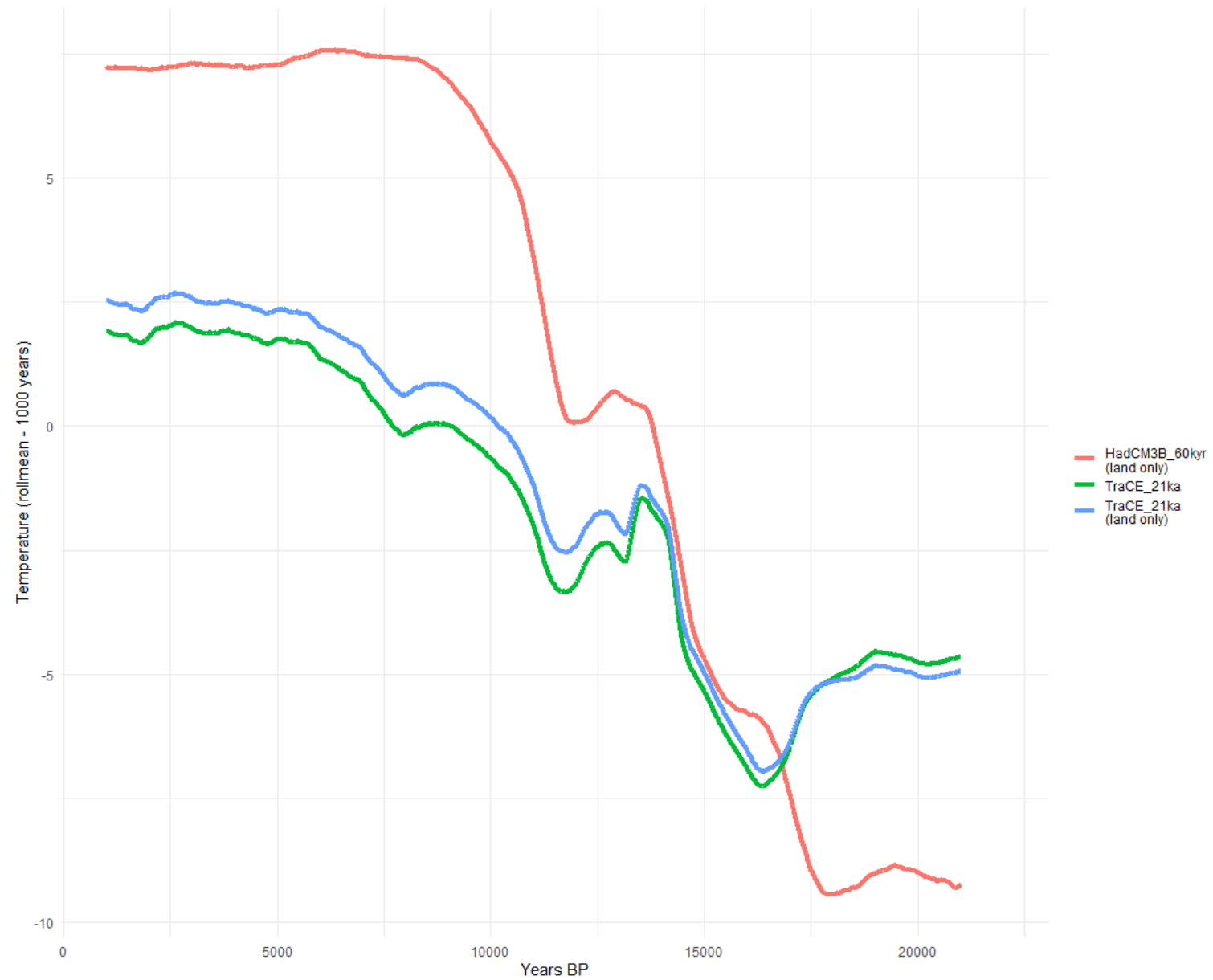
## Calibration Castanea : sortie intermédiaire *Fagus*



## Comparaison paléoclimat



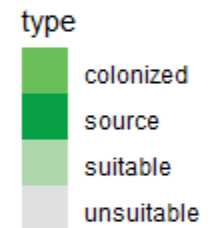
## Comparaison paléoclimat



# Migration : automate cellulaire + discrétisation dispersal kernel, exemple théorique *Quercus*

*Default :  $k = 0.99 * kSDD + 0.01 * kLDD$*

*$kSDD \dots p = 0.01 \quad kLDD$*



*~ 500 years*

# Migration : automate cellulaire + discrétisation dispersal kernel, exemple théorique *Quercus*

*Default :  $k = 0.99 * kSDD + 0.01 * kLDD$*

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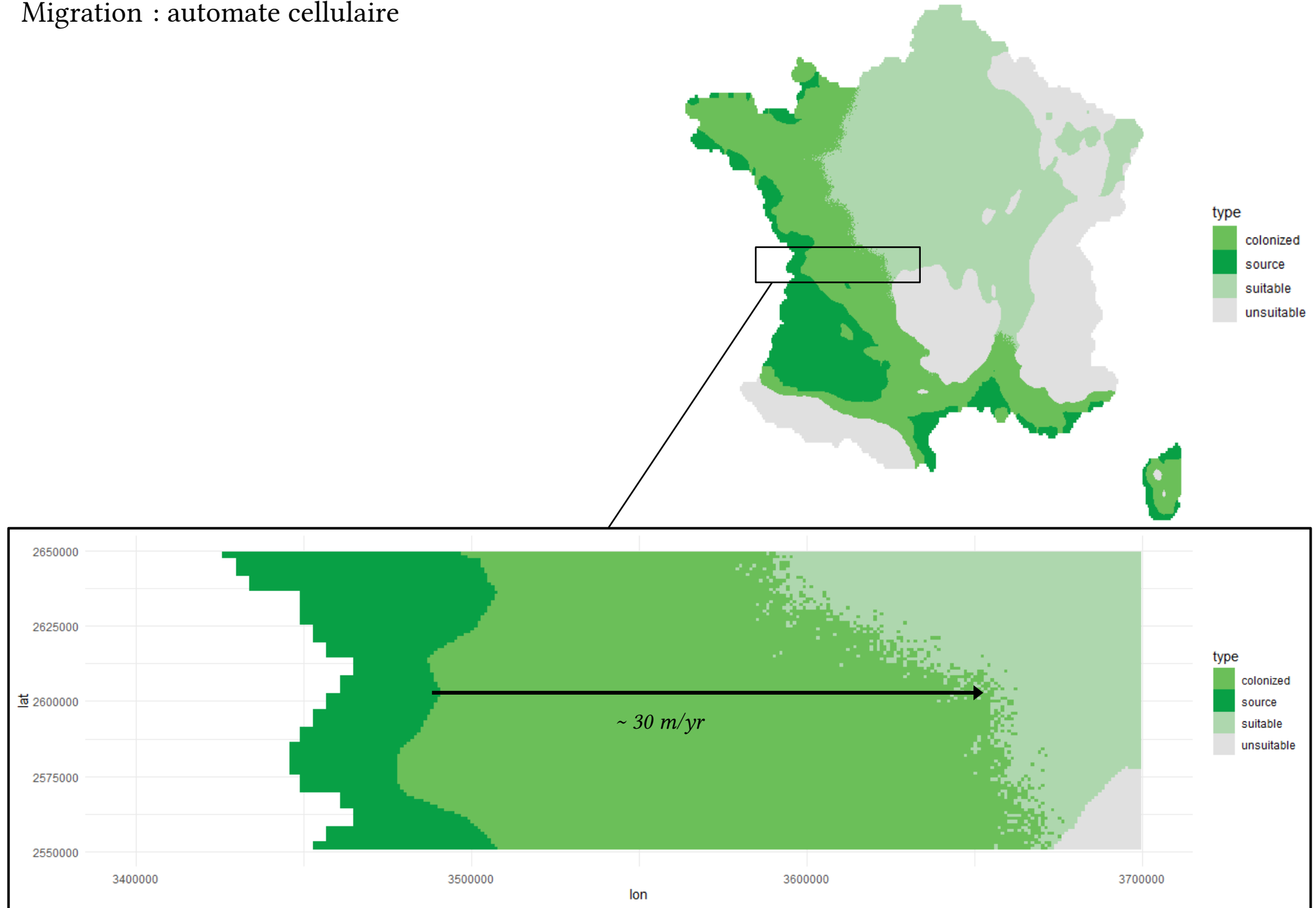
type

- colonized
- source
- suitable
- unsuitable

*~ 5000 years*



## Migration : automate cellulaire



Migration : RangeShifter, modèle de dynamique des pops... + complexe, trop lourd ?

