



Research article

Köppen–Geiger climate classification across France based on an ensemble of high-resolution climate projections

Laurent Strohmenger^{Ⓜ,*,a}, Lila Collet^{Ⓜ,a,b}, Vazken Andréassian^{Ⓜ,a}, Lola Corre^c,
Fabienne Rousset^d and Guillaume Thirel^{Ⓜ,*,a,c}

^a Université Paris-Saclay, INRAE, HYCAR Research Unit, Antony, France

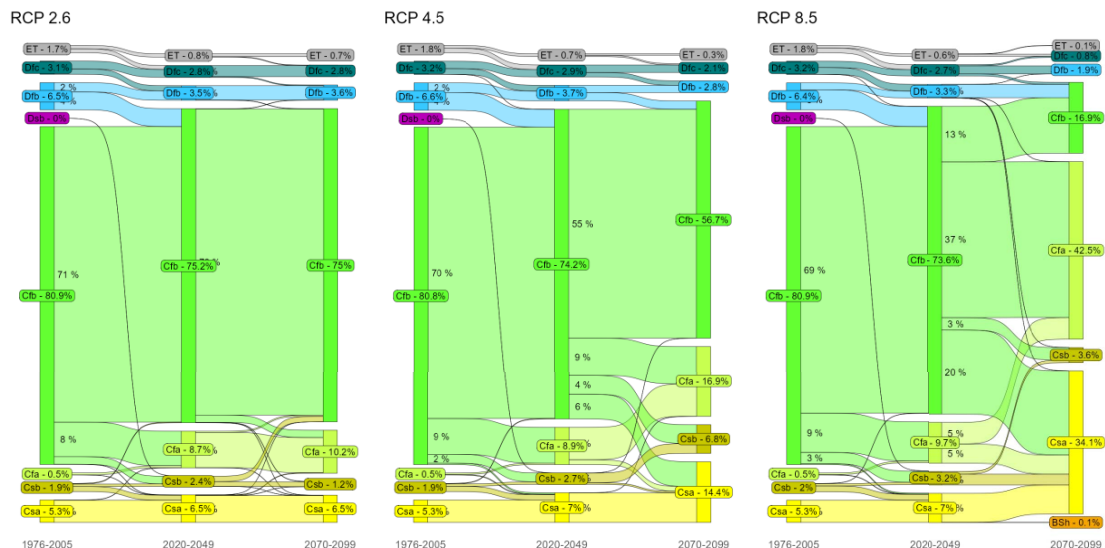
^b OSIRIS Department, EDF Research and Development Division, EDF Lab Paris-Saclay, Palaiseau, France

^c CNRM, Université de Toulouse, Météo-France, CNRS, Toulouse, France

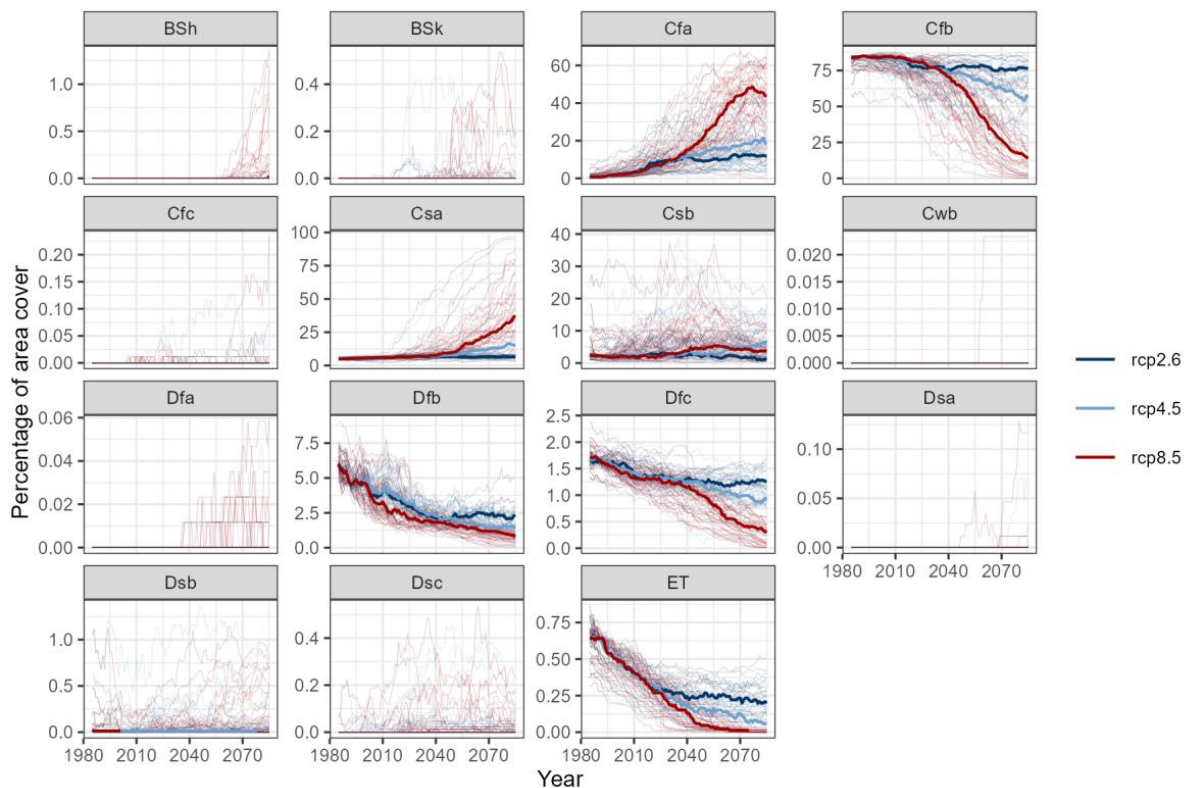
^d Direction de la Climatologie et des Services Climatiques, Météo-France, Toulouse, France

E-mails: Laurent.strohmenger@inrae.fr (L. Strohmenger), Guillaume.thirel@inrae.fr (G. Thirel)

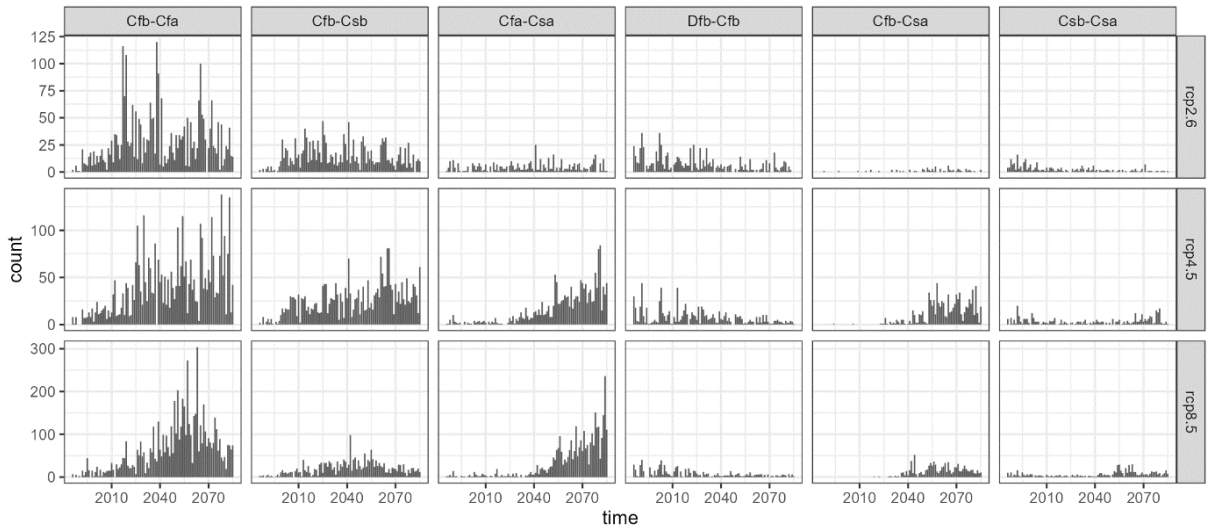
* Corresponding authors.



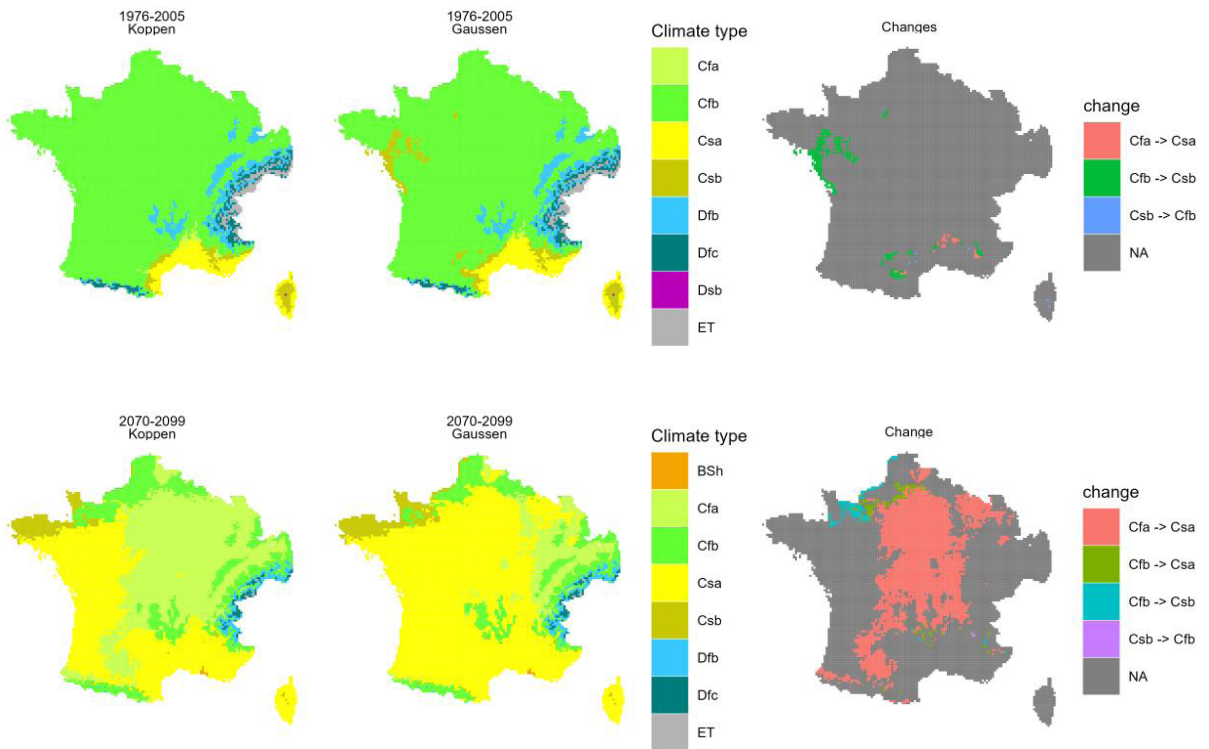
Supplementary Figure S1. Percentage of grid points with most frequent climate types (among climate projections) and their transitions from the historical (1976–2005) period to the near-future (2020–2049) and far-future (2070–2099) periods for RCPs 2.6, 4.5, and 8.5.



Supplementary Figure S2. Percentage of France covered by each climate type for each climate projection from 1976 to 2099 for RCPs 2.6, 4.5, and 8.5. The bold and light lines relate to the most frequent climate type (among climate projections) and to the climate type predicted according to each climate projection, respectively.



Supplementary Figure S3. Annual grid point count of the six most frequent transitions of climate types for RCPs 2.6, 4.5, and 8.5.



Supplementary Figure S4. Comparison of the climate types found with the Köppen–Geiger classification (used in the present study) and a modified version suggested by Bagnouls and Gaussen [1957], for the historical and far future periods.