

*The following supplement accompanies the article*

## **Climate-driven changes in coastal marine systems of western Europe**

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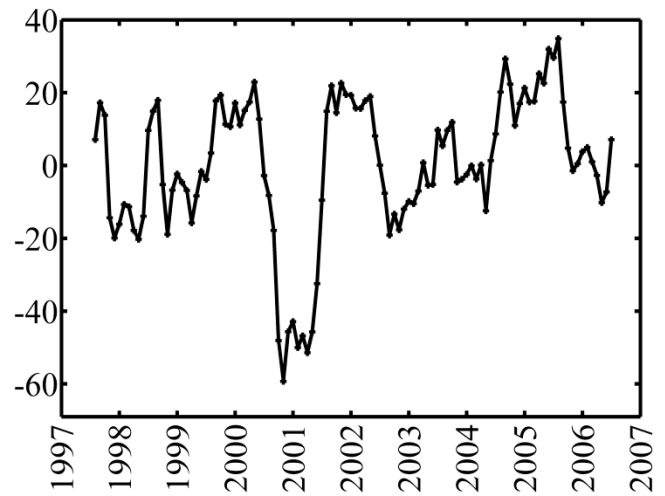
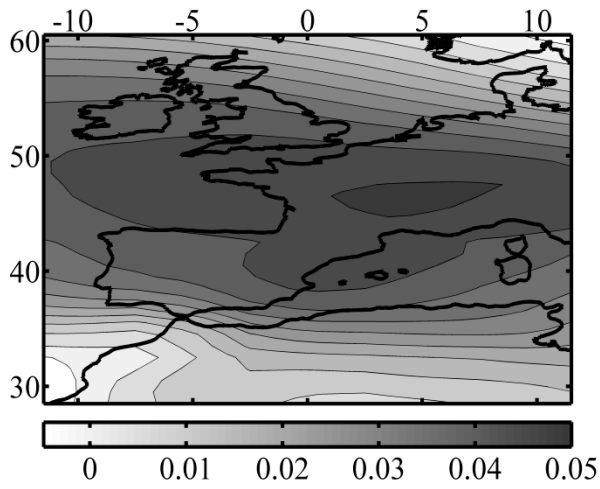
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### **Supplement.**

Year-to-year changes in regional climate. The 2 figures show PCAs performed on the 2-way table (time x space) of sea-level pressure (Fig. S1) and wind intensity (Fig. S2) to characterize the spatial (left panels) and temporal (right panels) changes in regional climate during the SOMLIT sampling period

(a) First eigenvector and principal component (48.21% of the total variability)



(b) Second eigenvector and principal component (37.17% of the total variability)

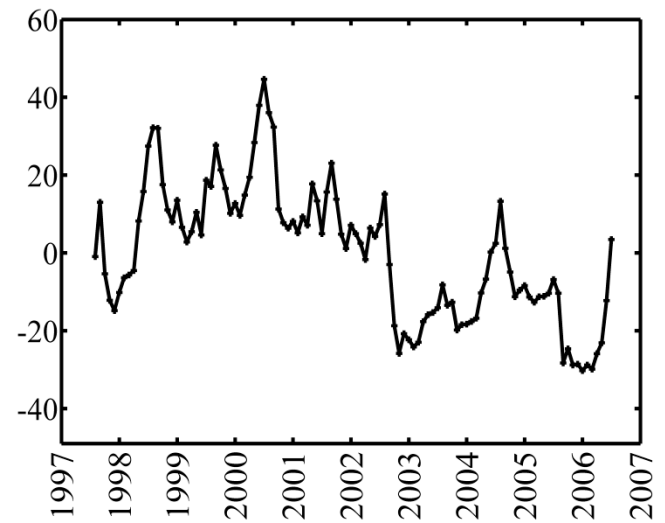
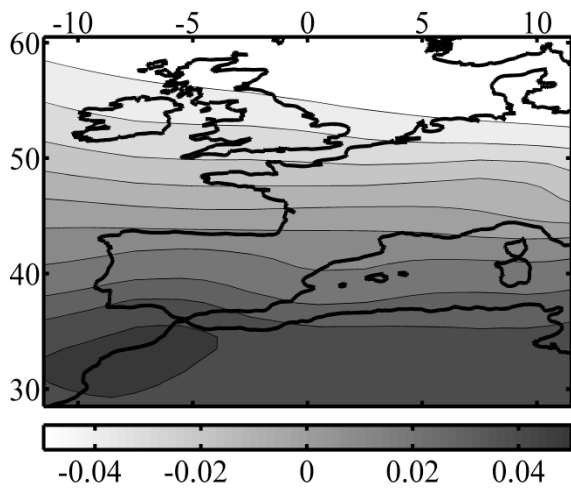
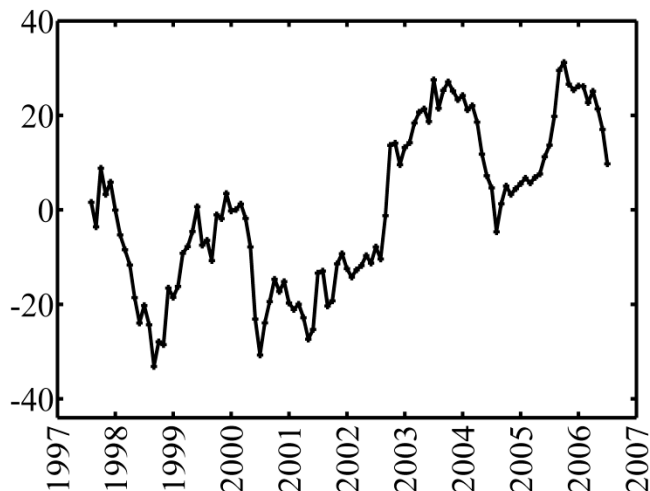
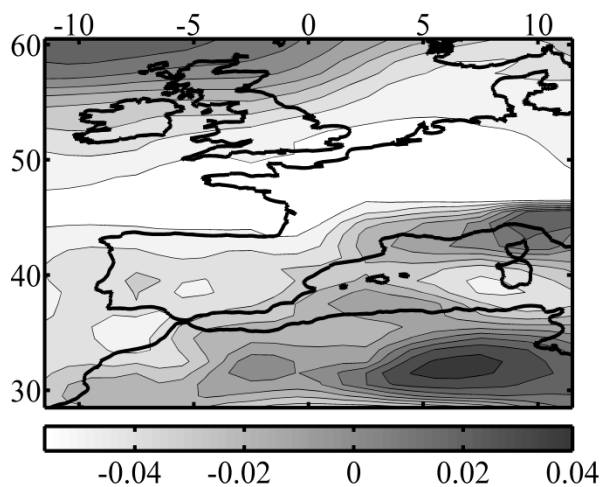


Fig. S1. Principal component analysis of the year-to-year changes in sea level pressure (1997–2006). Mapping of (a) the first eigenvector (left) and year-to-year changes in the first principal component (PC; right) and (b) the second eigenvector (left) and year-to-year changes in the second PC (right)

(a) First eigenvector and principal component (36.43% of the total variability)



(b) Second eigenvector and principal component (20.11% of the total variability)

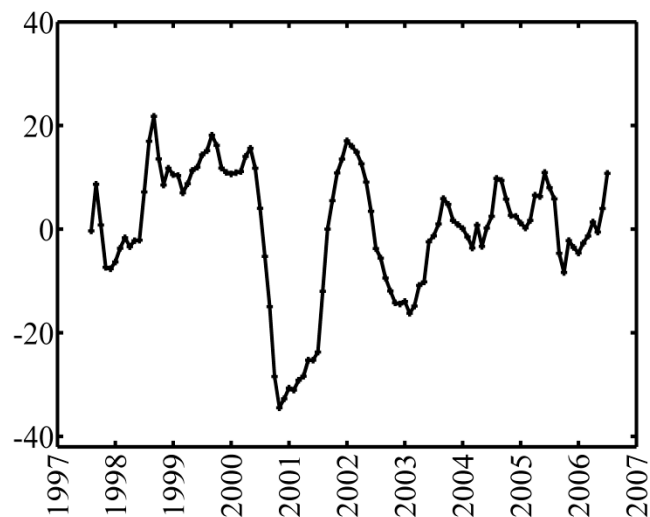
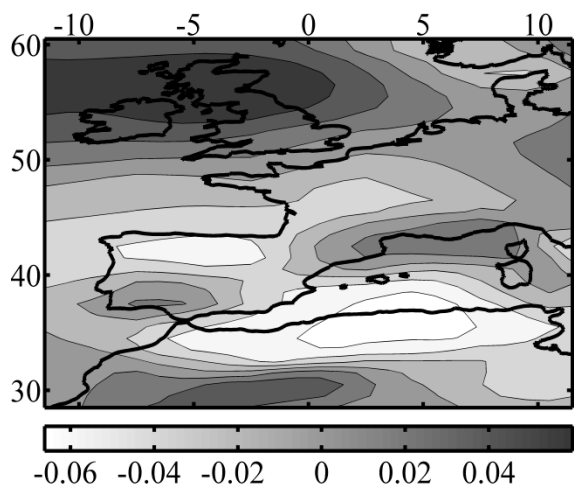


Fig. S2. Principal component analysis of the year-to-year changes in wind intensity (1997–2006). Mapping of (a) the first eigenvector (left) and year-to-year changes in the first principal component (PC; right) and (b) the second eigenvector (left) and year-to-year changes in the second PC (right)