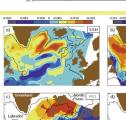
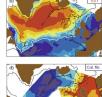


Conclusions: Large subarcticsubtropical water-mass exchanges, related to the strength of the subpolar gyre, enforce a bottom-up control of the marine ecosystem, which is characterized by highly variable influence of the Arctic-boreal and Lusitanian-boreal faunas. When the subpolar gyre is strong: (1) phytoplankton abundance is *low*, (2) Calanus finmarcicus is high, (3) the density of blue whiting is low, and (4) the occurence of pilot whales is low, and vice versa when the gyre is weak.







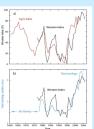
Spatial patterns associated with the modes, whose time series are provided to the right.

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Western index for blue whiting catches and (a) inverted GI, (b) total annually blue whiting landings.



Number of whales beached at the northeastern region the Faroe Islands. inverted GI, and SST anomalies in the northeastern Atlantic

