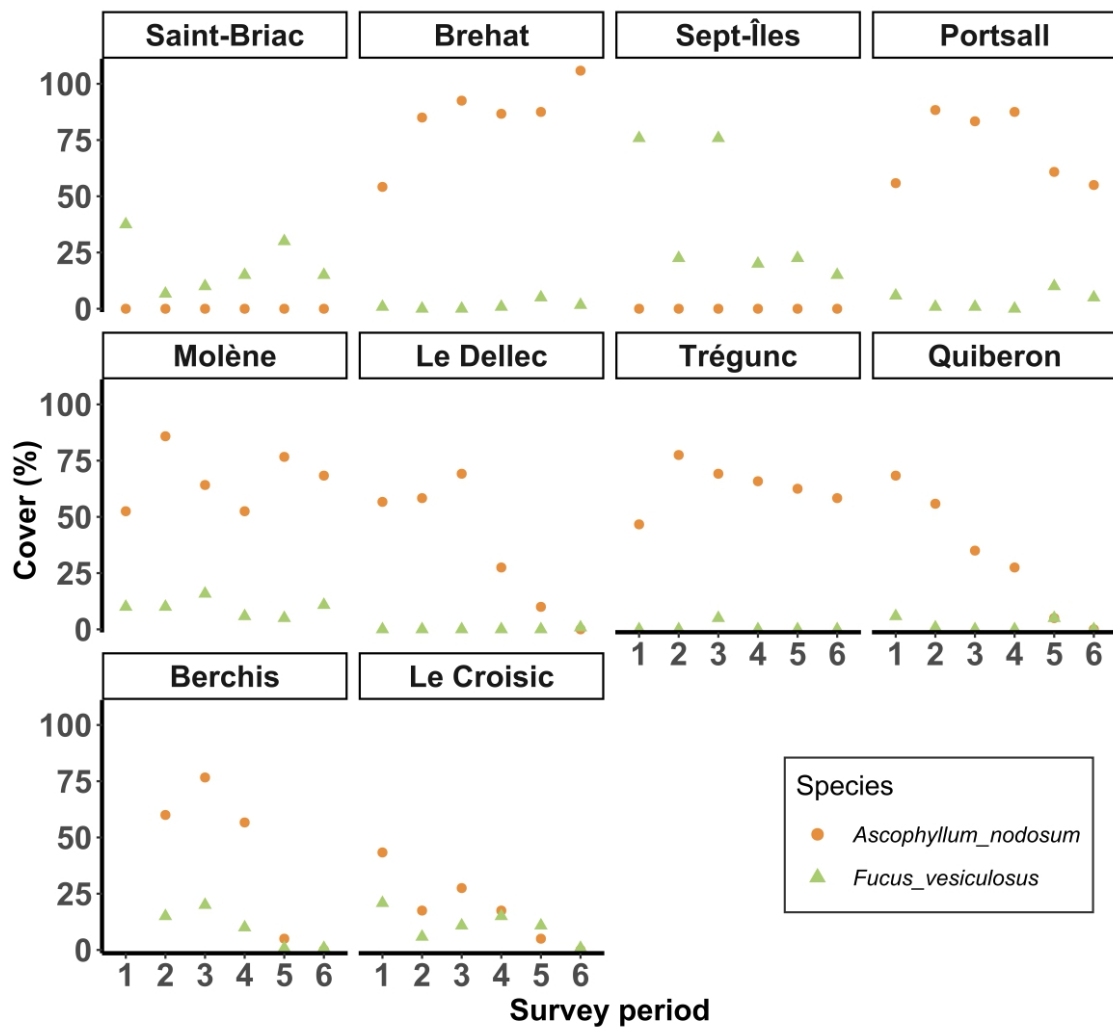


**Fig. S1:** Community trajectory represented for each community on the first to axes of PCoA. Color is used to represent the trajectory of each site, there are three sampling spots for each site. The two first axes represented between 23.5 % and 45.1 % of the variance of the different communities.



**Fig. S2:** Mean cover percentage of *Ascophyllum nodosum* (orange circles) and *Fucus vesiculosus* (green triangles) across each survey period (1: 2004-2007; 2: 2008-2010; 3: 2011-2013; 4: 2014-2016; 5: 2017-2019; 6: 2020-2022) for each site. Dominance is determined by the species with the largest cover percentage. If both species have equal cover, no dominance is established. When the cover percentage is 0 for both species, it indicates the absence of canopy.