



b.

Fig 1: Satellite view map of the two marshes studied showing the sampling stations: a. the Fier d'Ars saltwater marsh (FA: N 46° 14' 5.964"; W 1° 30' 20.707"; FB: N 46° 13' 26.4"; W 1° 27' 21.599"), b. the Tasdon freshwater marsh (TA: N 46° 8' 56.4"; W 1° 7' 26.4"; TB:N 46° 9' 3.6"; W 1° 8' 9.599"; TC: N 46° 8' 49.2"; W 1° 8' 13.2"). The series of dots for each station indicates the sampling points (triplicates). Map background issued and modified from the geoportal website. (size: double column)





Fig 2: Relative abundances (%) of principal microphytoplanktonic taxa (a,b) and metazooplanktonic taxa (c,d) identified at each sampling station in winter, spring, summer and autumn in the Fier d'Ars marsh (FA, FB) and the Tasdon marsh (TA, TB, TC), The redder the color, the higher the relative abundance for that taxon. Clustering of station-season couples were done using the ward method with euclidean distances. [Size: double column]







Fig 4: Confidence ellipses on individuals (station-season) from MFA analysis for the four sampling season (spring, summer, autumn, winter) for the Fier d'Ars marsh: a. axes 1-2; b. axes 1-3. Ellipses are represented by straight lines because there are only two sampling stations for this marsh. Dr_no: no annual drought; Dr_yes: annual drought made; In.w_yes: water inlet and renewal made at high tide; Int.sp_no: no introductions of non-native species. [Size: 1.5 column]







Fig 6: Confidence ellipses on individuals (station-season) from MFA analysis for the four sampling season (spring, summer, autumn, winter) for the Tasdon marsh: a. axes 1-2; b. axes 1-3. Dr_no: no annual drought; In.w_yes: water inlet and renewal made at high tide; In.w_no: no water inlet and renewal made; Int.sp_yes: introductions of non-native species have been made. [Size: 1.5 column]



Fig 7: Boxplot showing the median per group for abiotic and biotic parameters per station on the Fier d'Ars saltwater marsh (FA, FB) for each sampling season (red: spring, green: summer, blue: autumn, purple: winter. Results of Permanova analysis for each station per season, showing the significance of differences in values, are represented by the lettering above each box. Boxes for micro- and mesozooplanktonic concentrations are shown as straight lines because the counts were made on the average of the pulled samples (triplicates). [Size: double column]



Fig 8: Boxplot showing the median per group for abiotic and biotic parameters per station on the Tasdon freshwater marsh (TA, TB, TC) for each sampling season (red: spring, green: summer, blue: autumn, purple: winter. Results of Permanova analysis for each station per season, showing the significance of differences in values, are represented by the lettering above each box. Boxes for micro- and mesozooplanktonic concentrations are shown as straight lines because the counts were made on the average of the pulled samples (triplicates). [Size: double column]

	Spring	Summer	Autumn	Winter	
FA					
FB					
ТА					
ТВ					
тс	Weak	Strong			
	l la shi i	a na wa ƙasal wak			
FW2	Multivo	Multivorous food web			
FW3	Microb	Microbial loop			
FW4	Biologi	Biological winter			
FW5	Biologi	Biological winter with high nutrient concentration			

Fig 9: Summary of the five different types of food webs (FW1, FW2, FW3, FW4, FW5) determined by the method of Masclaux et al. (2014) in spring, summer, autumn and winter 2019 in the Fier d'Ars marsh (FA, FB) and the Tasdon marsh (TA, TB, TC). [Size: single column]