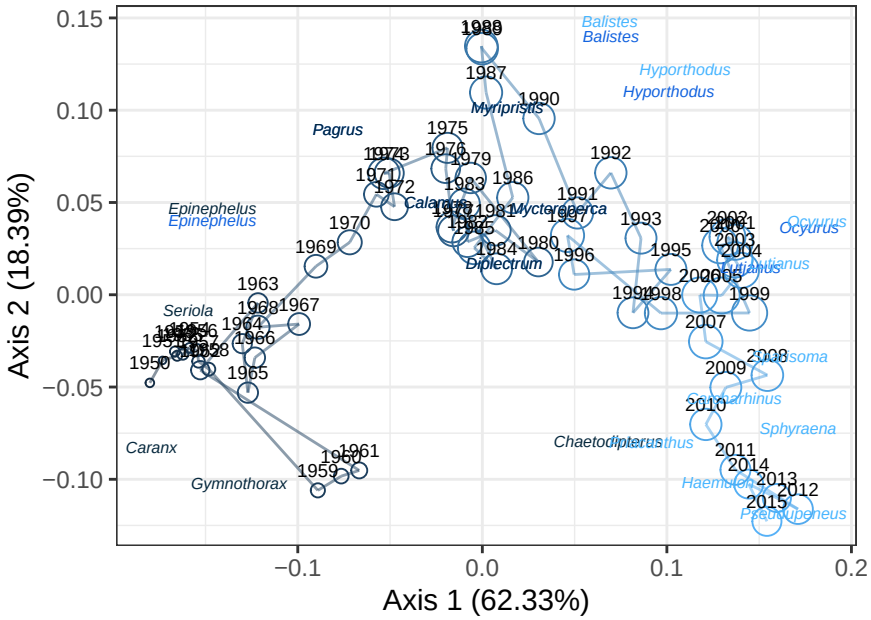
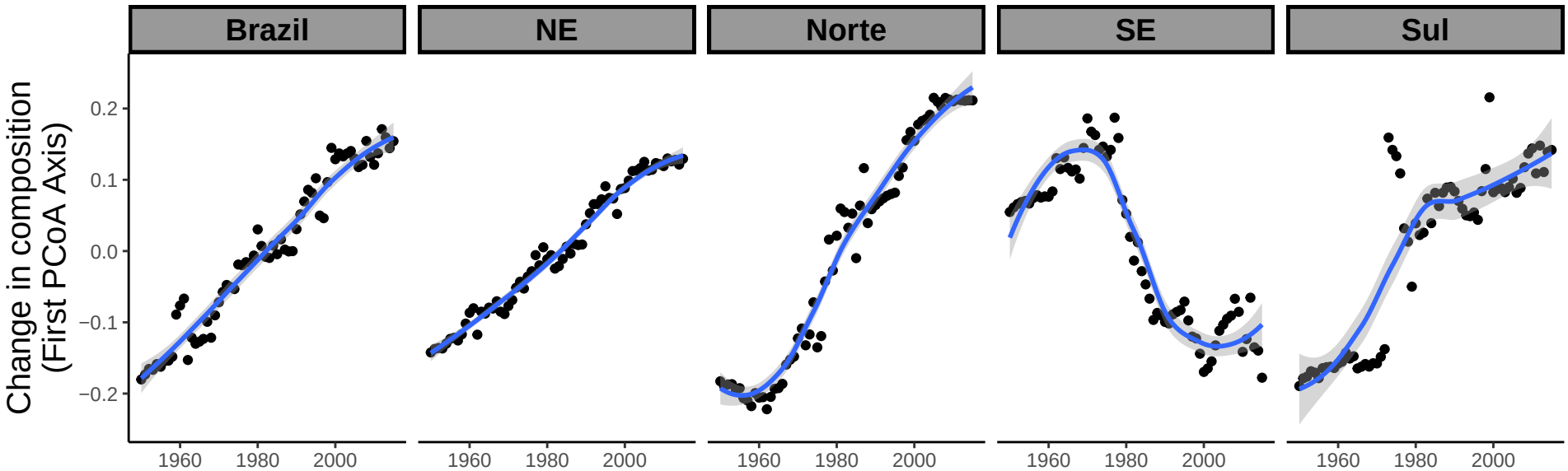
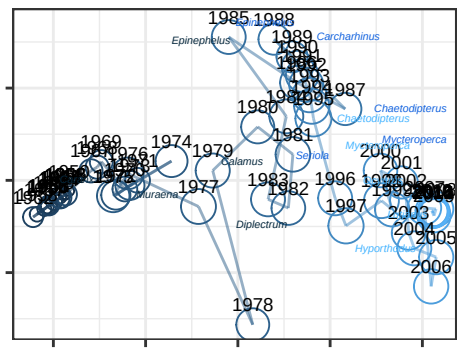
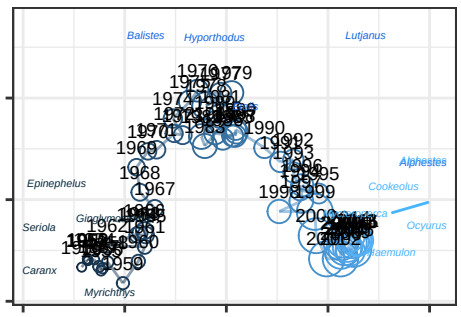
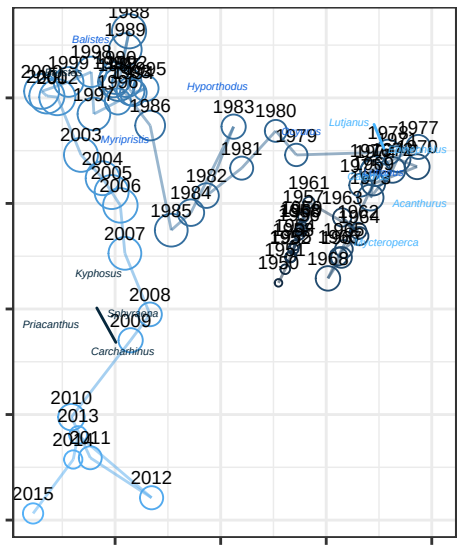
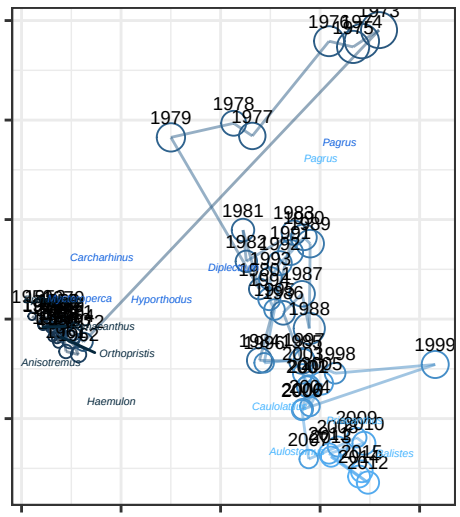

Axis 2 (18.39%)
Axis 1 (62.33%)
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.1
0.0
0.1
0.2
Balistes
Hyporthodus
Pagrus
Myripristis
Epinephelus
Mycteroperca
Calamus
Diplectrum
Ocyurus
Lutjanus
Seriola
Caranx
Gymnothorax
Chaetodipterus
Sphyraena
Haemulon
Pseudupeneus


Brazil
NE
Norte
SE
Sul
Change in composition
(First PCoA Axis)
0.2
0.1
0.0
−0.1
−0.2
1960
1980
2000