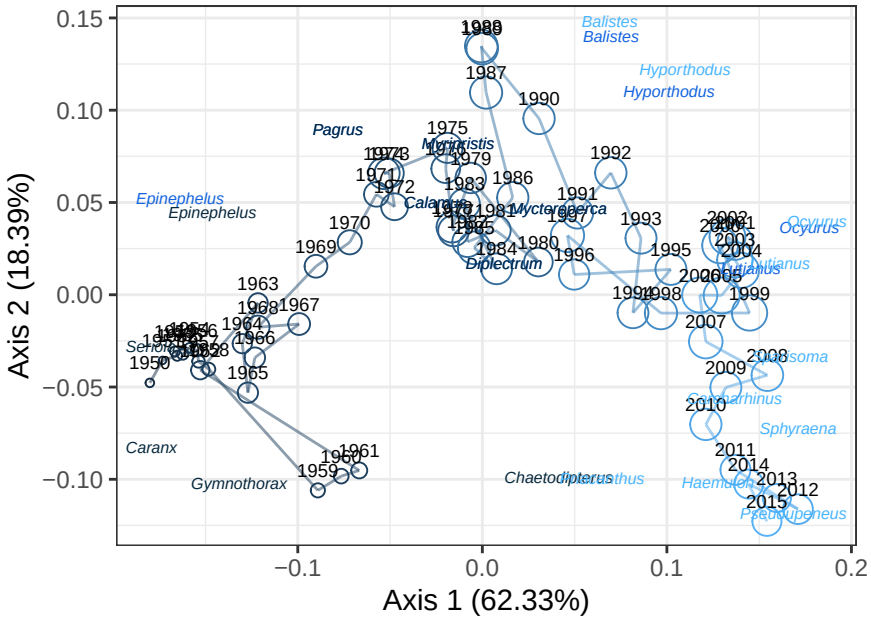
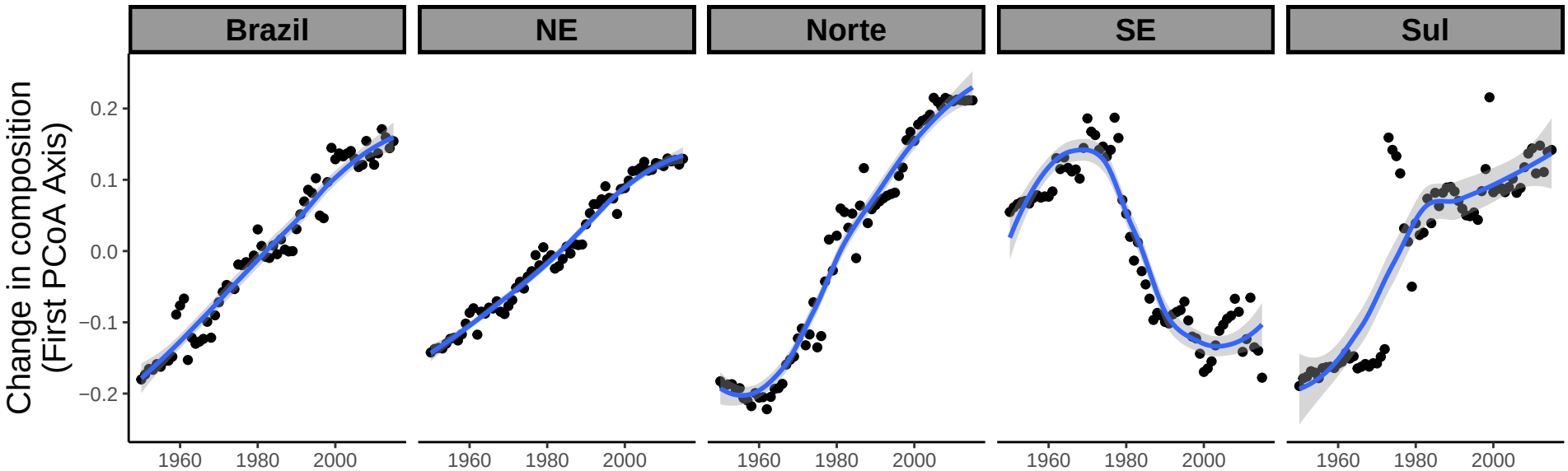
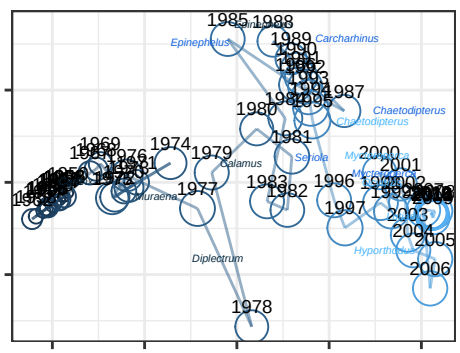
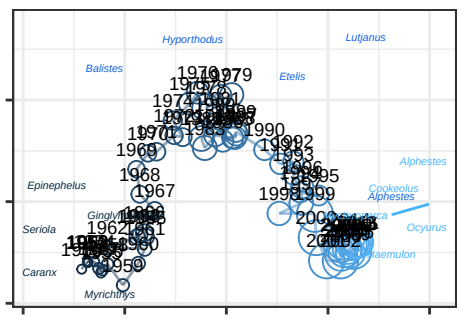
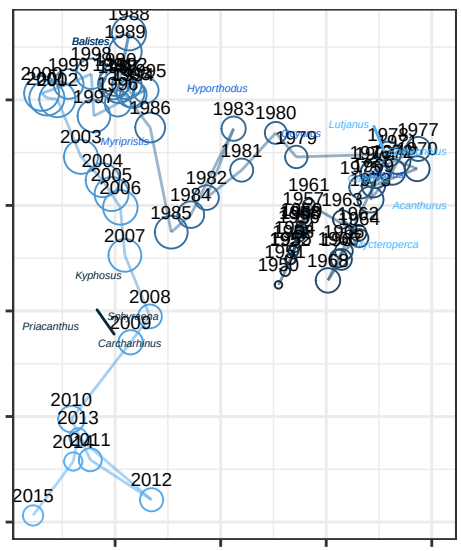
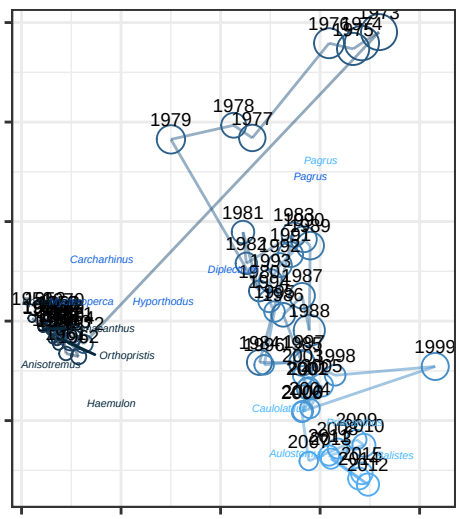

Axis 2 (18.39%)
Axis 1 (62.33%)
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.1
0.0
0.1
0.2
Balistes
Hyporthodus
Pagrus
Epinephelus
Ocyurus
Lutjanus
Diplectrum
Sphyraena
Caranx
Gymnothorax
Chaetodipterus
Haemulon
Pseudupeneus


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