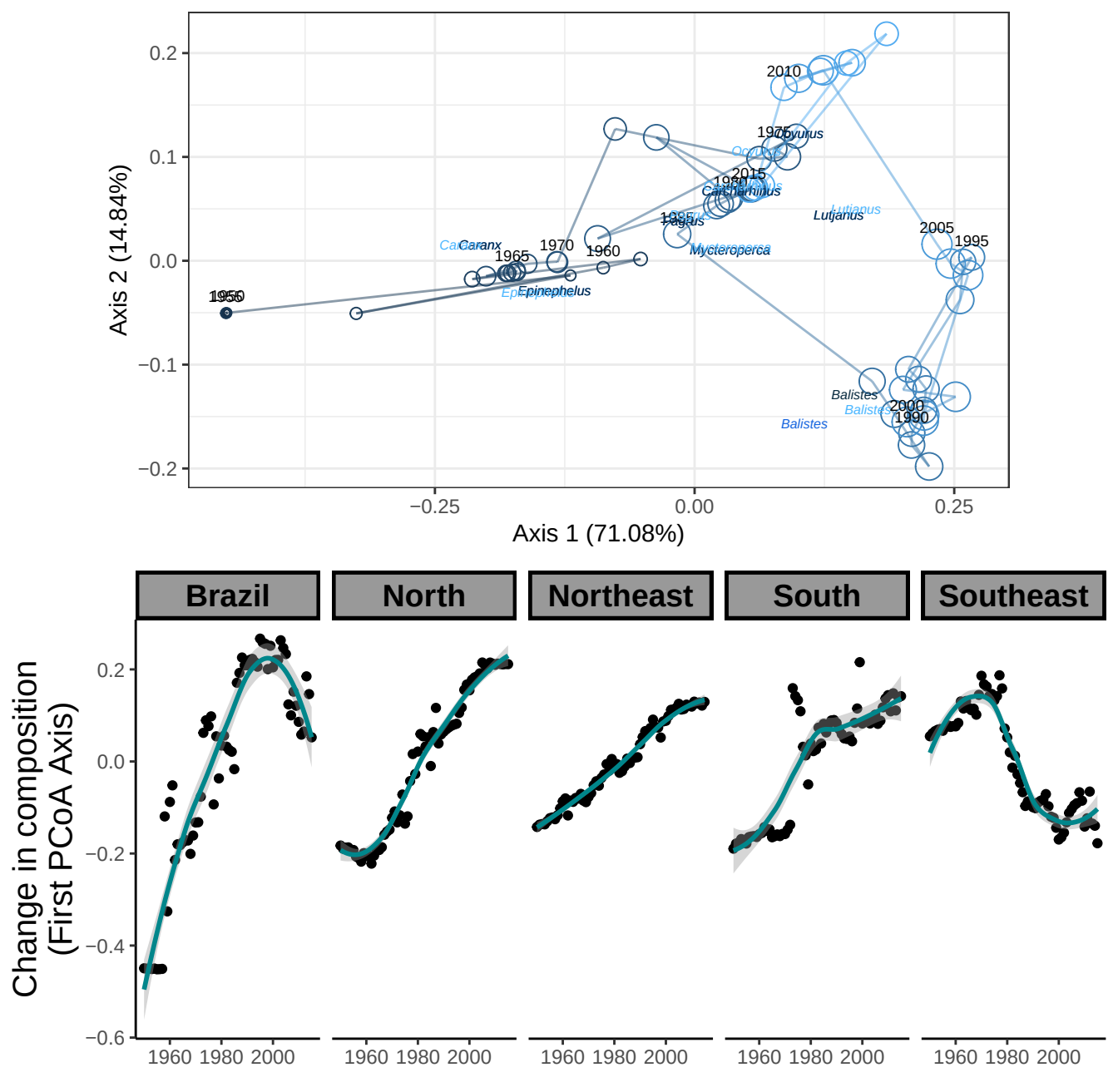
Axis 2 (14.84%)
Axis 1 (71.08%)
0.2
0.1
0.0
−0.1
−0.2
−0.25
0.00
0.25
2010
1975
2015
1980
1985
1970
1965
1960
1956
2005
1995
2000
1990
Caranx
Epinephelus
Mycteroperca
Lutjanus
Balistes
Change in composition
(First PCoA Axis)
Brazil
North
Northeast
South
Southeast
0.2
0.0
−0.2
−0.4
−0.6
1960 1980 2000