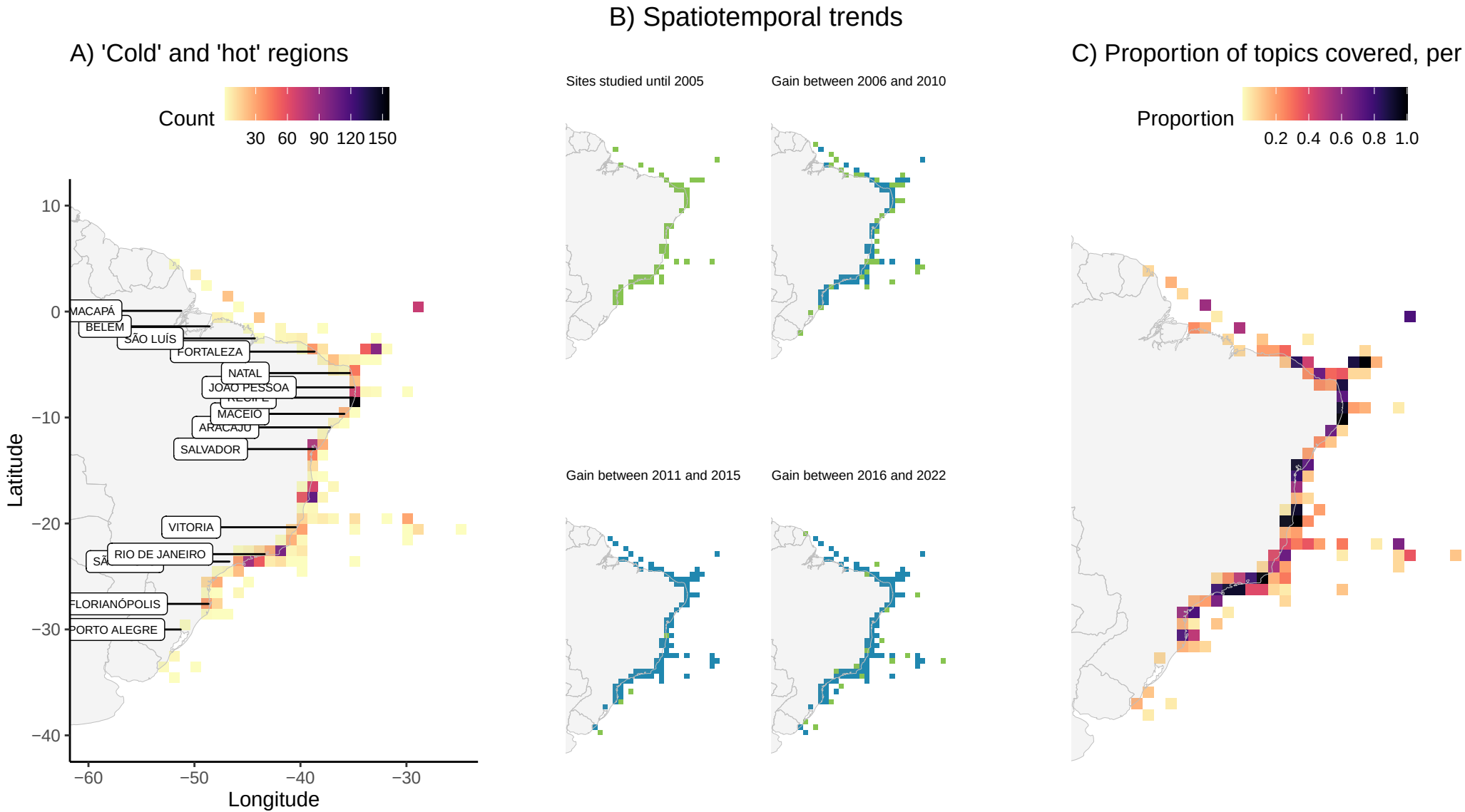
A) 'Cold' and 'hot' regions
Count
30 60 90 120 150
10
0
−10
−20
−30
−40
Latitude
−60
−50
−40
−30
Longitude
MACAPÁ
BELEM
SÃO LUÍS
FORTALEZA
NATAL
JOÃO PESSOA
MACEIO
ARACAJU
SALVADOR
VITORIA
RIO DE JANEIRO
FLORIANÓPOLIS
PORTO ALEGRE
B) Spatiotemporal trends
Sites studied until 2005
Gain between 2006 and 2010
Gain between 2011 and 2015
Gain between 2016 and 2022
C) Proportion of topics covered, per cell
Proportion
0.2 0.4 0.6 0.8 1.0