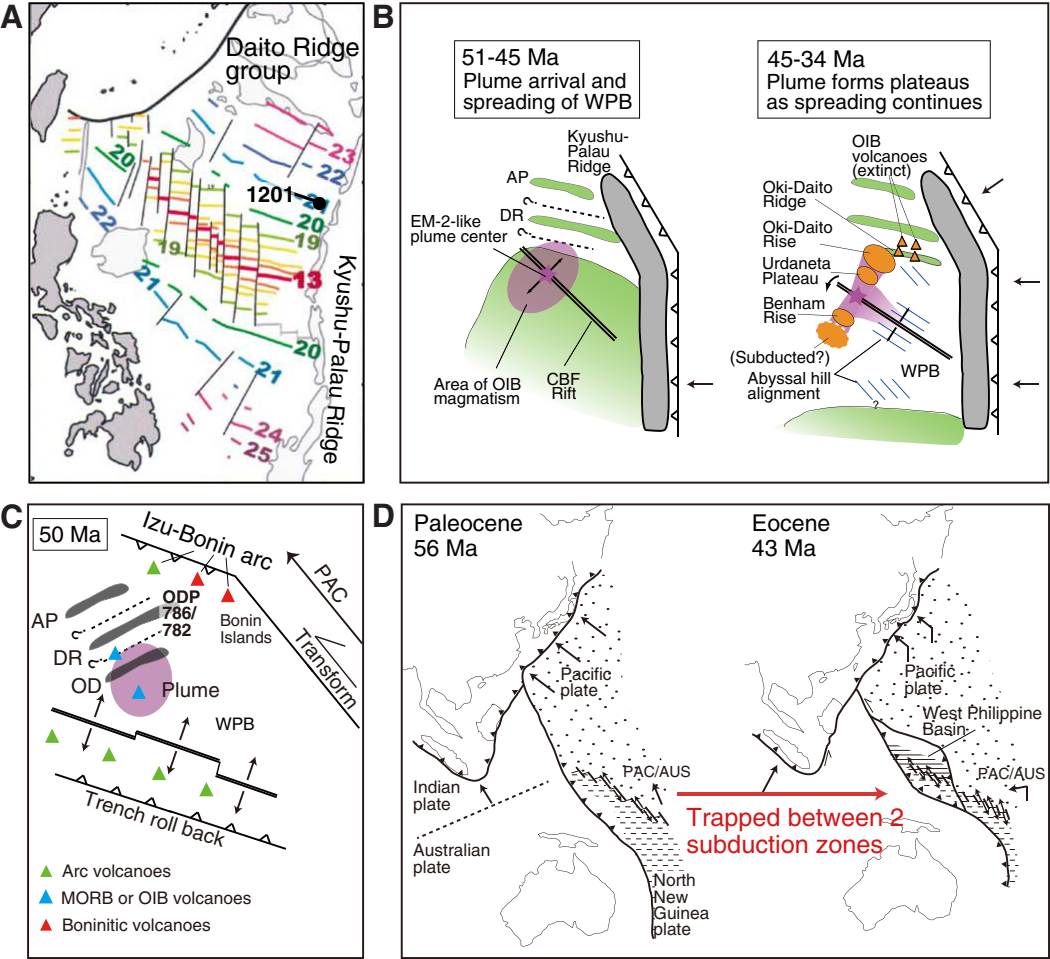
A
Daito Ridge group
1201
Kyushu-Palau Ridge
B
51-45 Ma
Plume arrival and spreading of WPB
Kyushu-Palau Ridge
AP
DR
EM-2-like plume center
Area of OIB magmatism
CBF Rift
45-34 Ma
Plume forms plateaus as spreading continues
OIB volcanoes (extinct)
Oki-Daito Ridge
Oki-Daito Rise
Urdaneta Plateau
Benham Rise
(Subducted?)
Abyssal hill alignment
WPB
C
50 Ma
Izu-Bonin arc
PAC
Transform
AP
ODP 786/782
Bonin Islands
DR
OD
Plume
WPB
Trench roll back
Arc volcanoes
MORB or OIB volcanoes
Boninitic volcanoes
D
Paleocene
56 Ma
Pacific plate
Indian plate
PAC/AUS
Australian plate
North New Guinea plate
Eocene
43 Ma
Pacific plate
West Philippine Basin
PAC/AUS
Trapped between 2 subduction zones