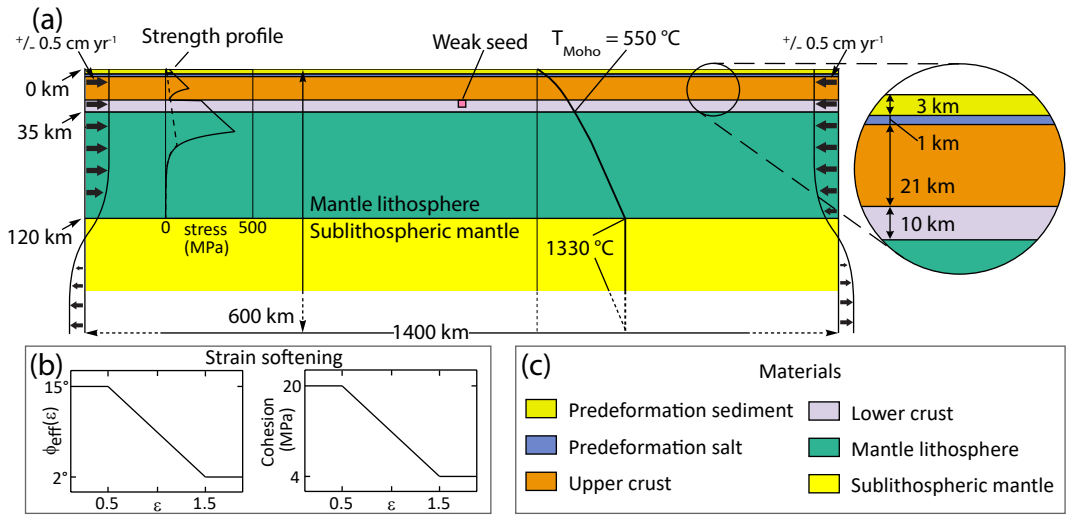
(a)
+/- 0.5 cm yr-1
Strength profile
Weak seed
T Moho = 550 °C
+/- 0.5 cm yr-1
0 km
35 km
120 km
0
stress
(MPa)
500
Mantle lithosphere
Sublithospheric mantle
1330 °C
600 km
1400 km
3 km
1 km
21 km
10 km
(b)
Strain softening
15°
2°
ϕeff(ε)
0.5
ε
1.5
20
4
Cohesion
(MPa)
0.5
ε
1.5
(c)
Materials
Predeformation sediment
Predeformation salt
Upper crust
Lower crust
Mantle lithosphere
Sublithospheric mantle