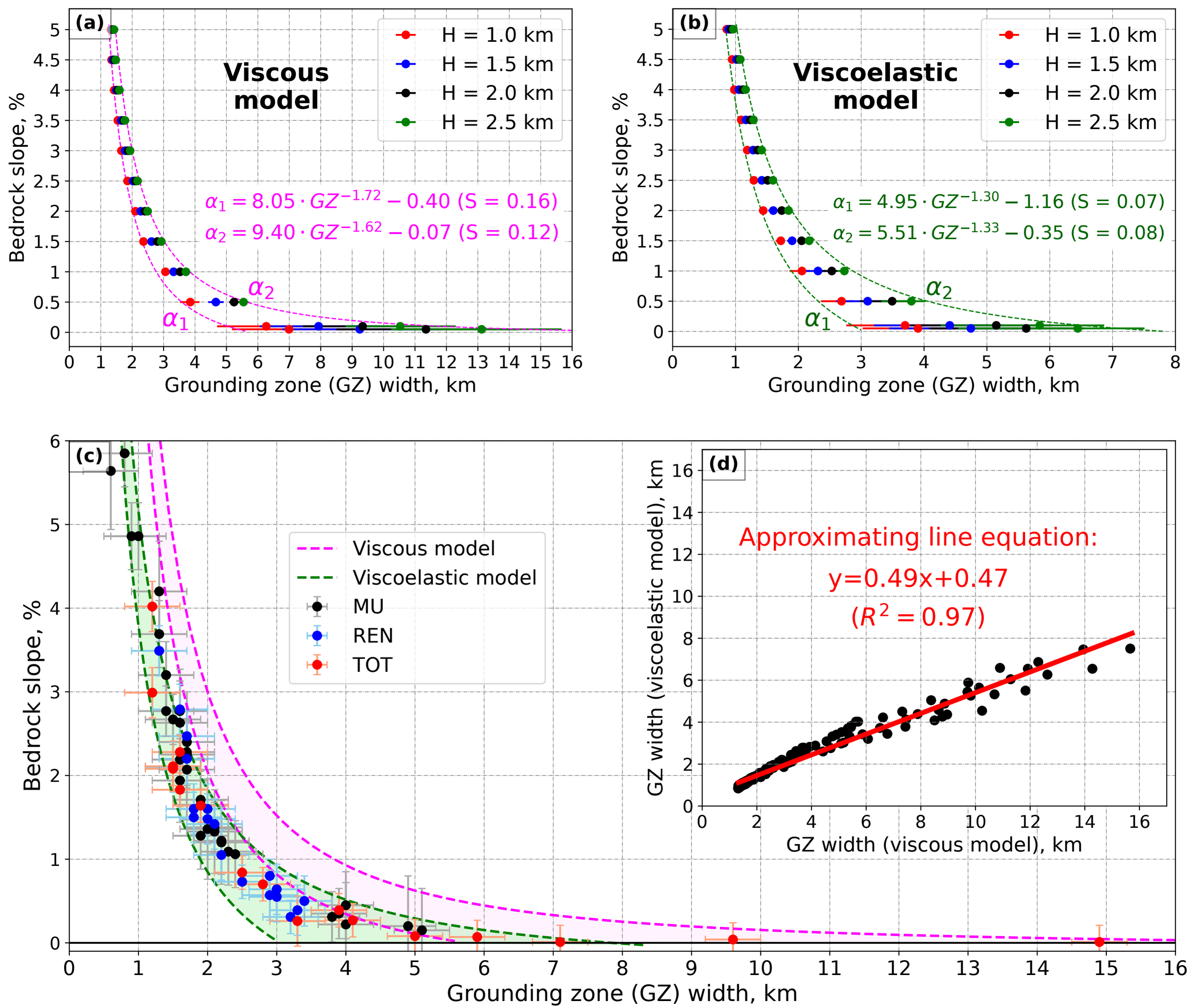
(a)
Viscous model
H = 1.0 km
H = 1.5 km
H = 2.0 km
H = 2.5 km
$\alpha_1 = 8.05 \cdot GZ^{-1.72} - 0.40$ (S = 0.16)
$\alpha_2 = 9.40 \cdot GZ^{-1.62} - 0.07$ (S = 0.12)
α_1
α_2
Bedrock slope, %
Grounding zone (GZ) width, km
(b)
Viscoelastic model
H = 1.0 km
H = 1.5 km
H = 2.0 km
H = 2.5 km
$\alpha_1 = 4.95 \cdot GZ^{-1.30} - 1.16$ (S = 0.07)
$\alpha_2 = 5.51 \cdot GZ^{-1.33} - 0.35$ (S = 0.08)
α_1
α_2
Bedrock slope, %
Grounding zone (GZ) width, km
(c)
Viscous model
Viscoelastic model
MU
REN
TOT
Bedrock slope, %
Grounding zone (GZ) width, km
(d)
Approximating line equation:
y=0.49x+0.47
($R^2 = 0.97$)
GZ width (viscoelastic model), km
GZ width (viscous model), km