

Model used	Spatial resolution	Temporal range	Total global recharge (km ³ yr ⁻¹)	Reference
Empirical model	0.5°	1981–2014	13 600	Current study
WaterGAP 2	0.5°	1961–1990	14 000	Döll (2002)
WaterGAP	0.5°	1961–1990	12 666	Döll and Flörke (2005)
PCR GlobWB	0.5°	1958–2001	15 200	Wada et al. (2010)
PCR GlobWB	0.5°	1960–2010	17 000	Wada et al. (2012)
MATSIRO	1°	1985–1999	29 900	Koirala et al. (2012)
FAO Statistics	Country	1982–2014	10 613	FAO (2016)