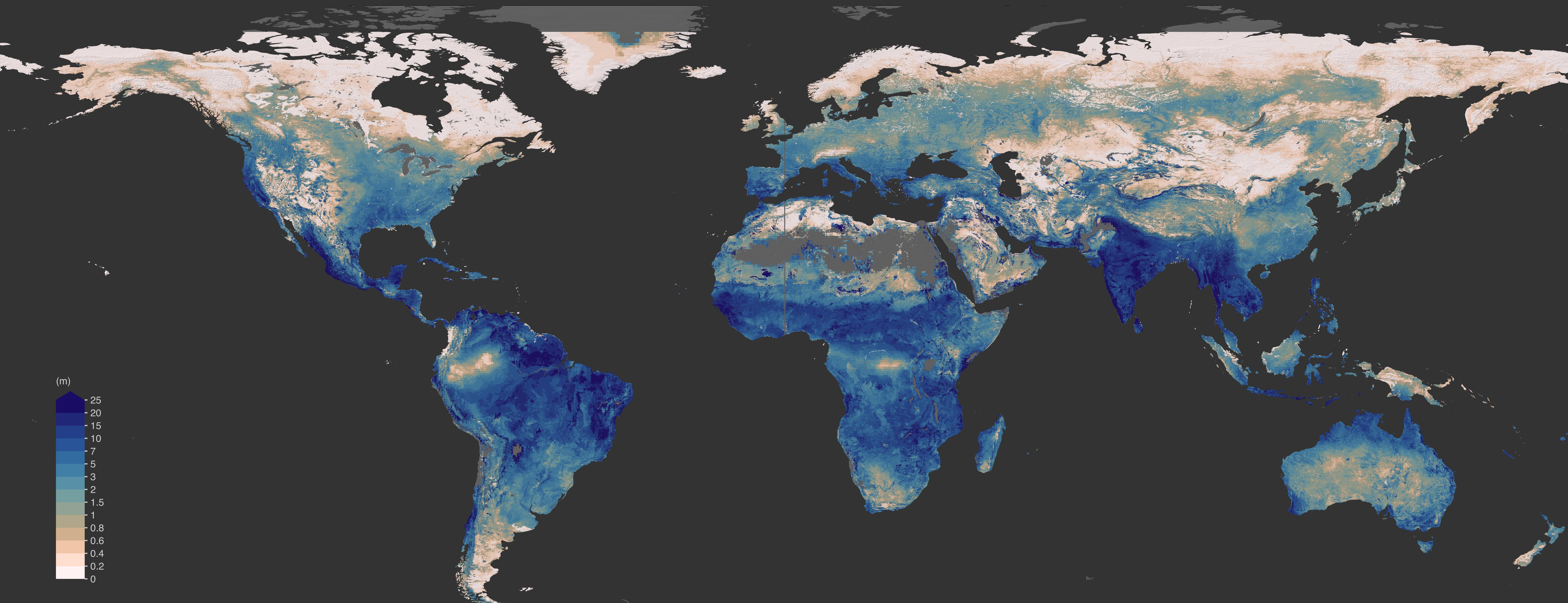


Rooting depth

How deep do plants root? This map provides an answer based on the assumption that plants root deep enough to sustain extreme droughts, experienced every 80 years, by sourcing water stored in the soil and sub-soil. Drought magnitude is quantified by the cumulative water deficit, defined as evapotranspiration minus precipitation and snow melt. Soil and sub-soil water holding capacity is assumed to extend uniformly below 30 cm depth.



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Reference: Stocker et al. (2023) *Nature Geoscience*

Data: Evapotranspiration: ALEXI-TIR, precipitation: WATCH-WFDEI, soil texture: HWS

