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Supplement of

The Cambodian Mekong floodplain under future development plans and climate change

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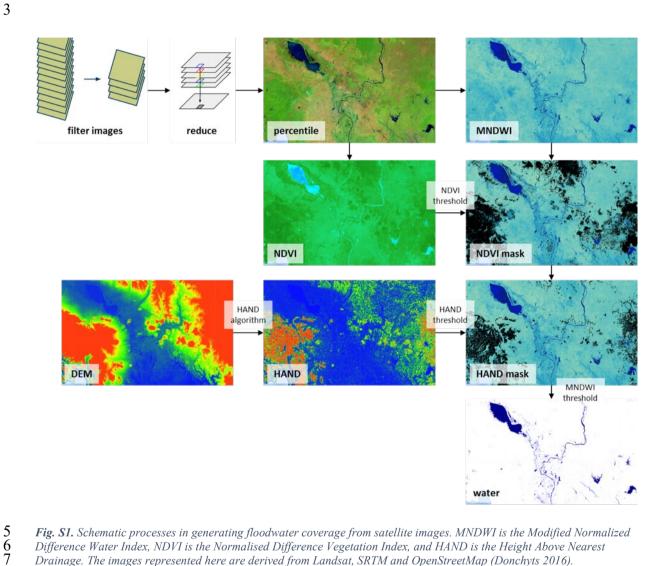


Fig. S1. Schematic processes in generating floodwater coverage from satellite images. MNDWI is the Modified Normalized Difference Water Index, NDVI is the Normalised Difference Vegetation Index, and HAND is the Height Above Nearest Drainage. The images represented here are derived from Landsat, SRTM and OpenStreetMap (Donchyts 2016).

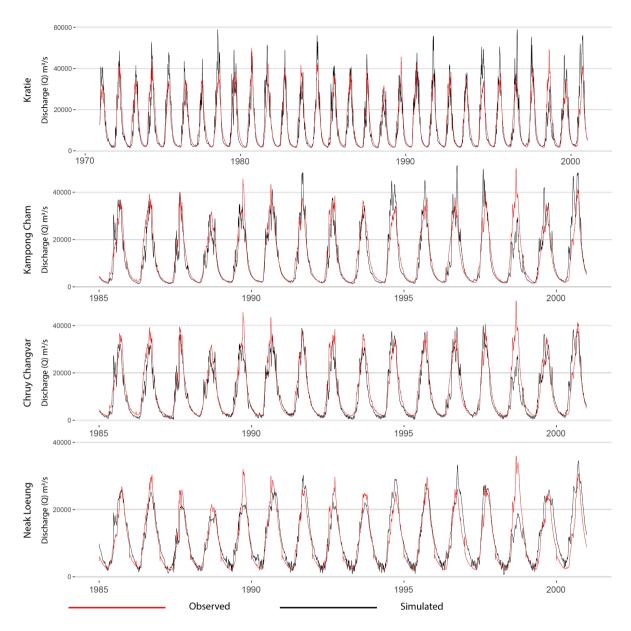
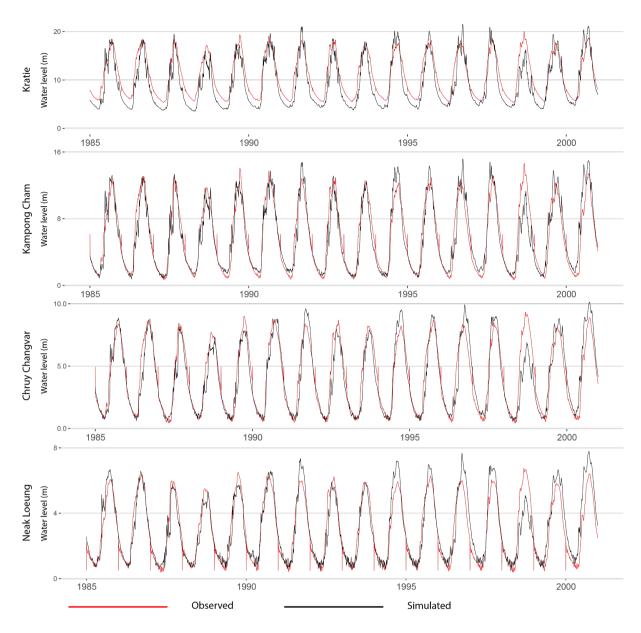


Fig. S2. Time series comparison between the observed and simulated water discharge [Q] at each gauging station. See location of the stations in **Fig. 1**.



15 Fig. S3. Time series comparison between the observed and simulated water levels [WL] at each gauging station.

	RCP 4.5		RCP 8.5	
	CMIP5	CMIP6	CMIP5	CMIP6
Precipitation - wet season (mm / 5 months)	1102	1086	1149	1090
Precipitation - dry season (mm / 7 months)	338	328	332	333
Temperature - wet season (°C)	23.6	23.6	24.0	24.1
Temperature - dry season (°C)	19.7	19.4	20.0	19.9