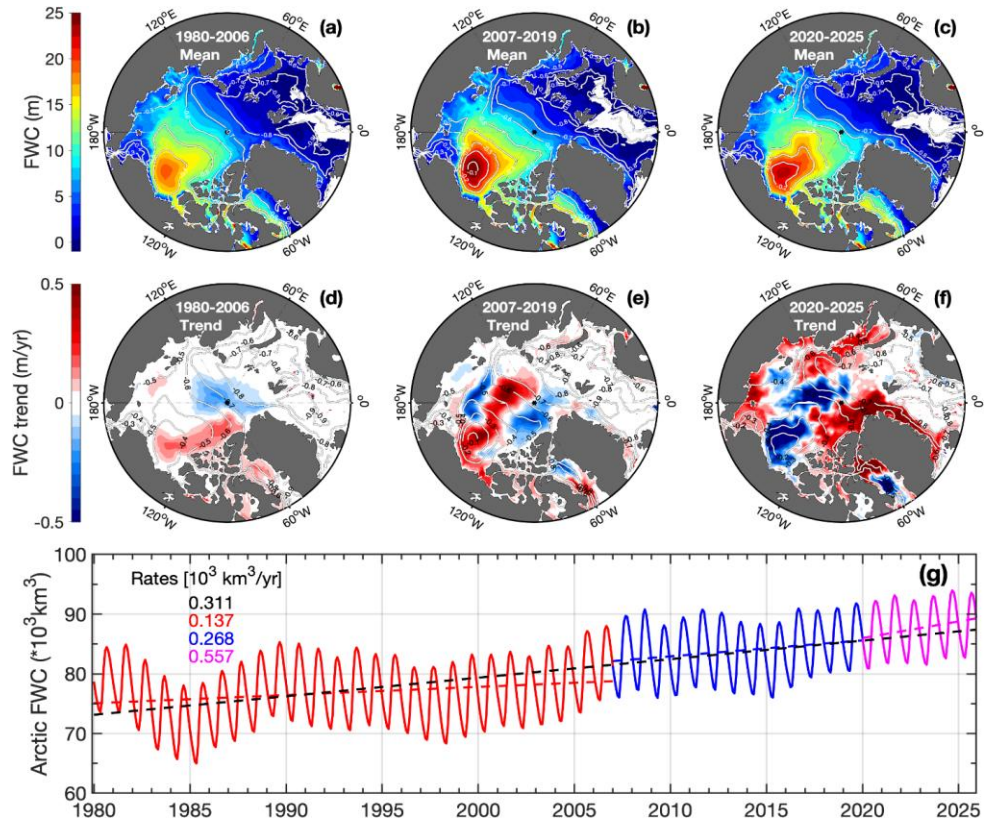


Freshwater Buildup and Release in the Beaufort Gyre: Implication for the Arctic Ocean Circulation

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What drivers and mechanisms contributed to freshwater accumulation during 2016–2019 and its release since 2020, and what are the implications for Arctic Ocean circulation and the AMOC?



Arctic ocean annual freshwater content trend (m/yr) from ORAS5 between 1980-2025. The BG is outlined by a white box with averaged absolute dynamic topography (m) contoured every 0.1m by black lines.

