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Improved Representation of Rivers in Climate Models

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Recent improvements to the representation of rivers in climate models have allowed a more accurate assessment of the consequences that natural and anthropogenic changes have on the climate system. Current water and land management practices have profound effects on river runoff, which subsequently influences the ocean near river deltas. The river discharge to the ocean and the consequent effects on the oceanic circulation and climate resulting from disturbances like deforestation and drought will be presented.

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