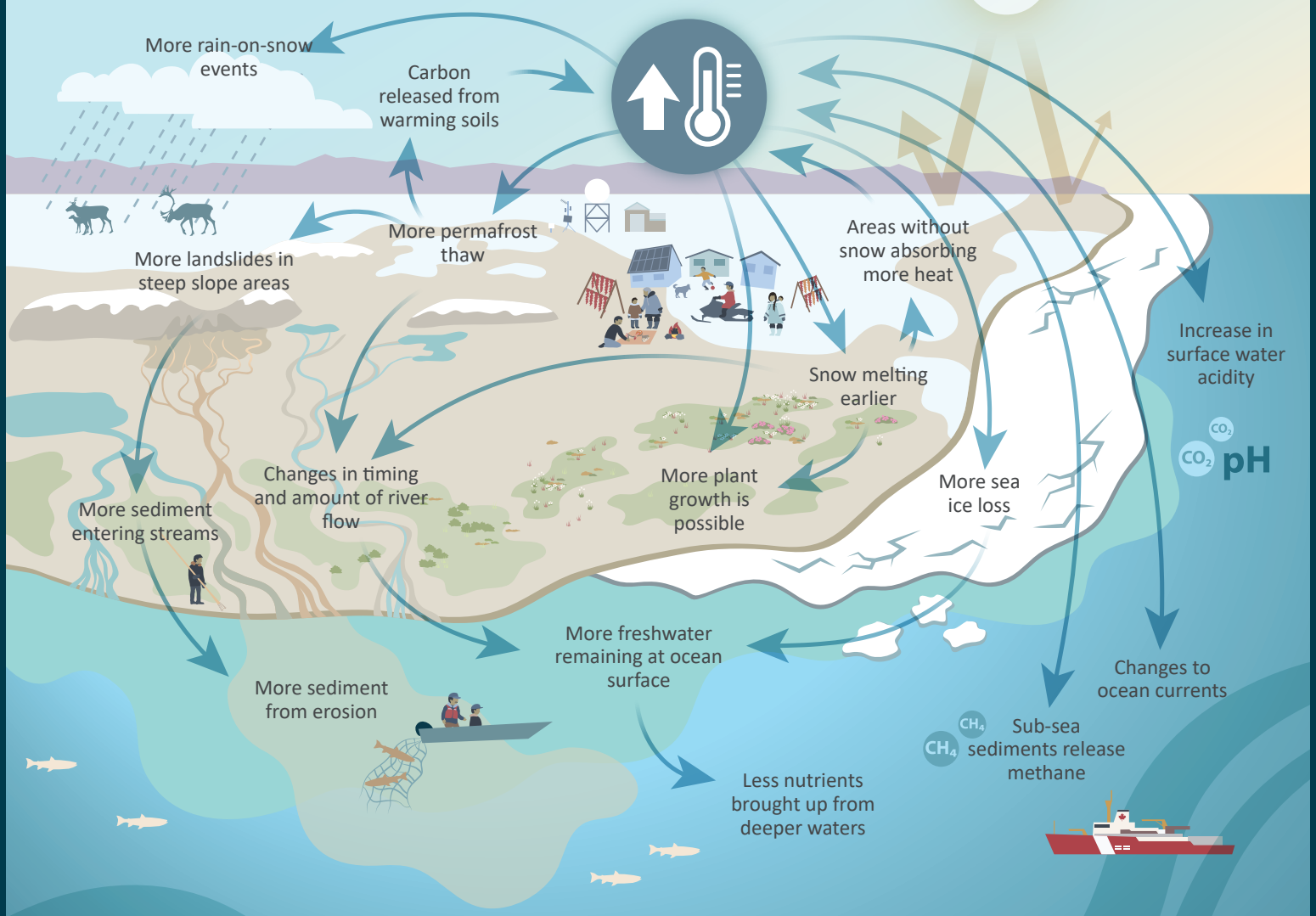
Climate change impacts land, freshwater, and ocean ecosystems in complex and interconnected ways.



FRESHWATER

Increased runoff changes river flow and reduces water quality. Rain-on-snow events make it harder for animals to find food or to stay warm.

LAND

Warmer temperatures and longer snow-free periods destabilize permafrost and extend plant growing seasons.

OCEAN AND SEA ICE

Changes in water quality and the way waters mix impact the ocean life that make up the base of the marine food web. Sea ice loss also affects ocean mixing in addition to loss of habitat.

CLIMATE CHANGE FEEDBACKS

Warming soils, reduced snow cover, and changes to ocean currents can have a feedback effect lead to even more warming.

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