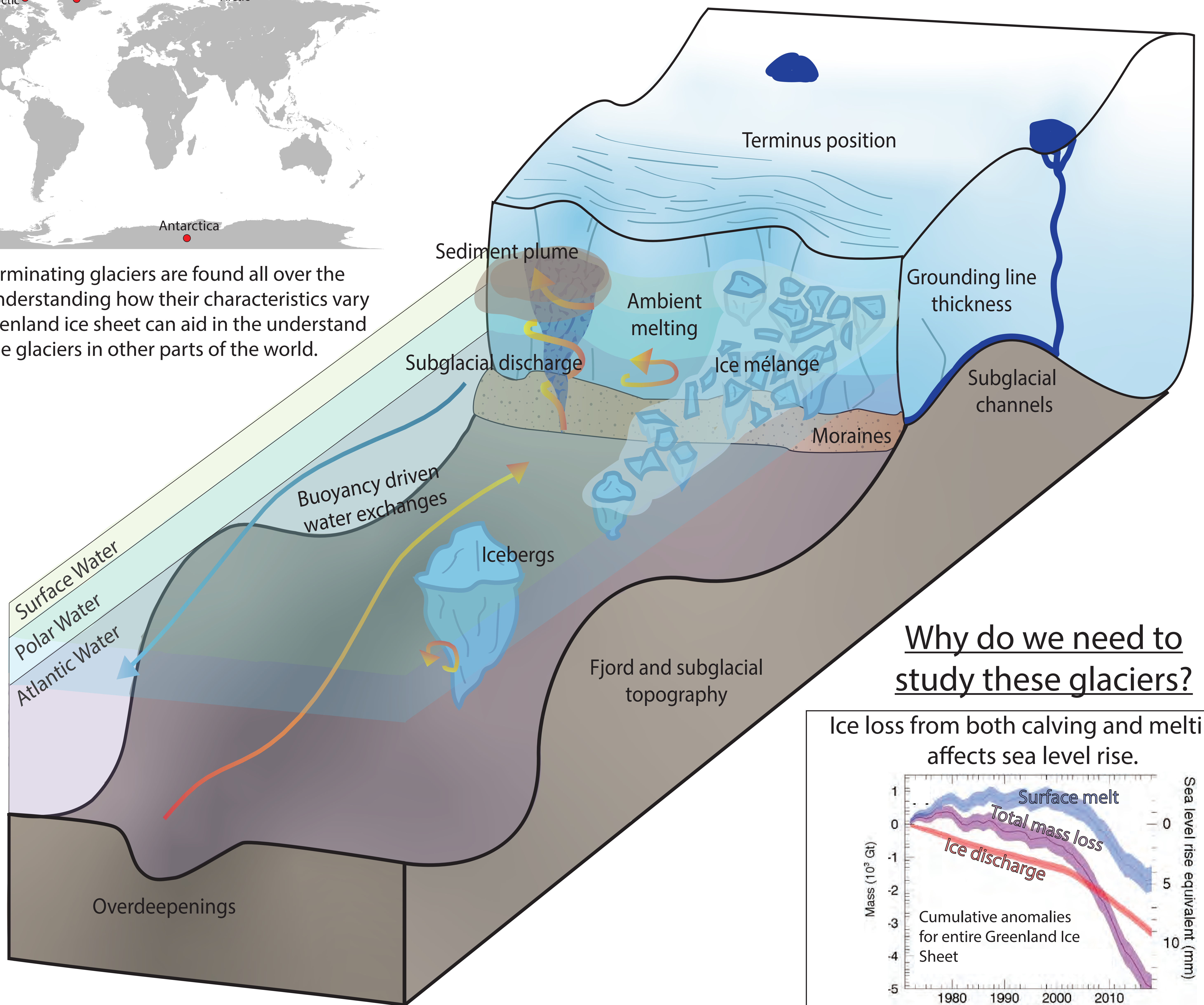


Observations of several variables of marine-terminating glaciers needed for accurate representation in models

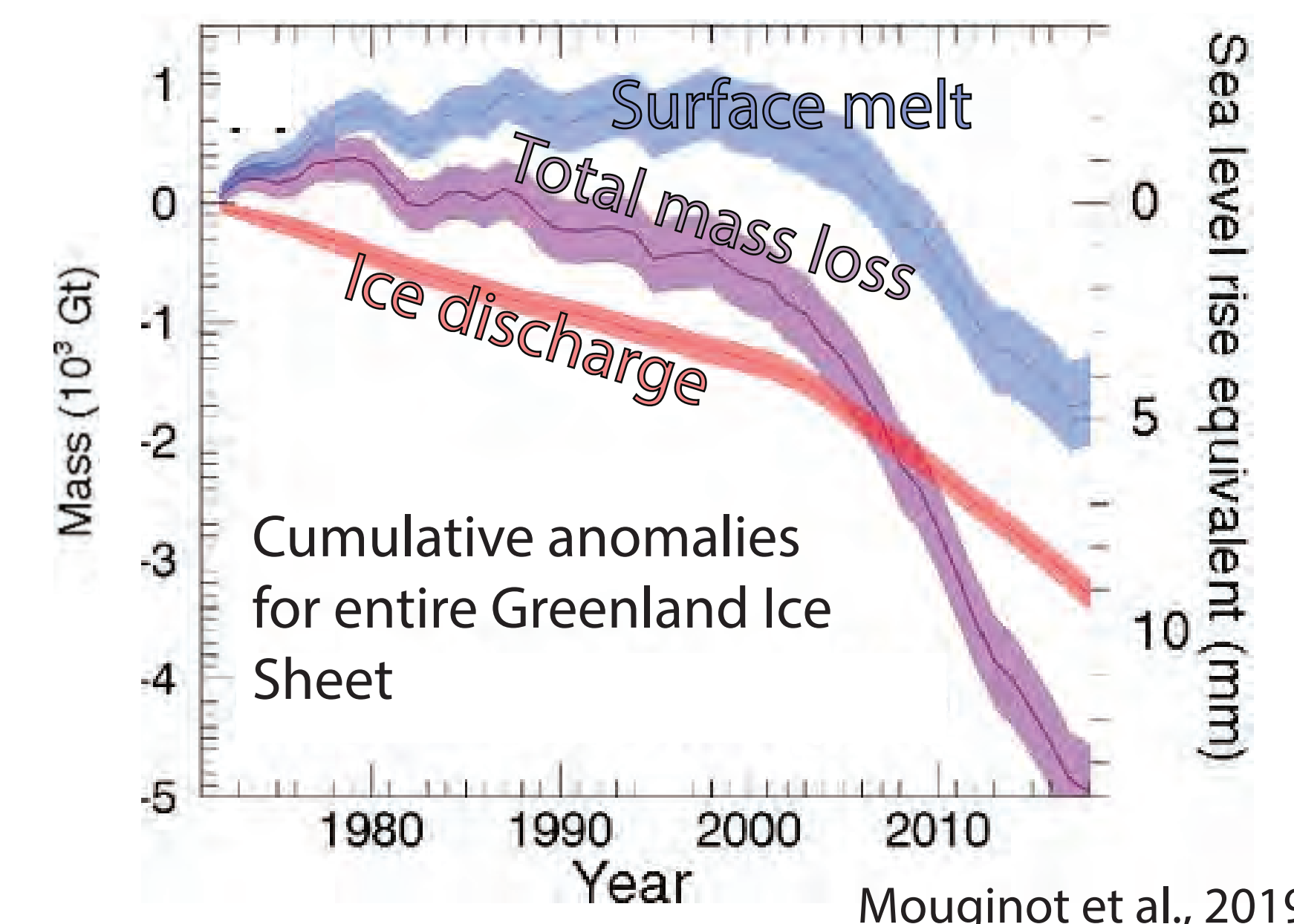


Marine-terminating glaciers are found all over the world and understanding how their characteristics vary over the Greenland ice sheet can aid in the understand of these glaciers in other parts of the world.



Why do we need to study these glaciers?

Ice loss from both calving and melting affects sea level rise.



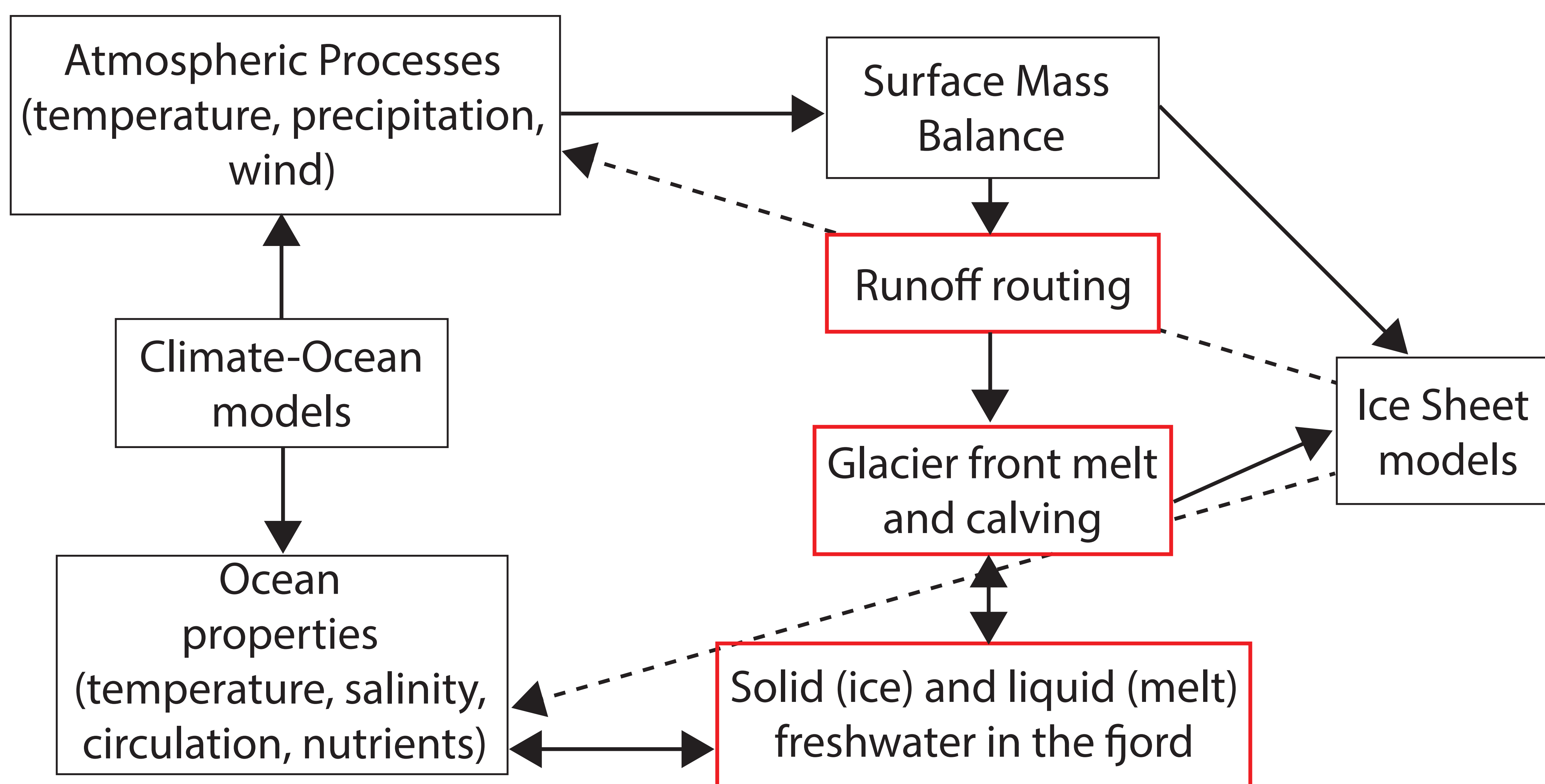
Freshwater input to the oceans changes circulation. This can affect marine ecosystems and climate patterns around the world.

What do we need to know?

Dataset of relevant glacier characteristics and how they change over time using remote sensing data

Used to inform or simplify complex processes across ice sheets

How does studying these glaciers inform ice sheet models?



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