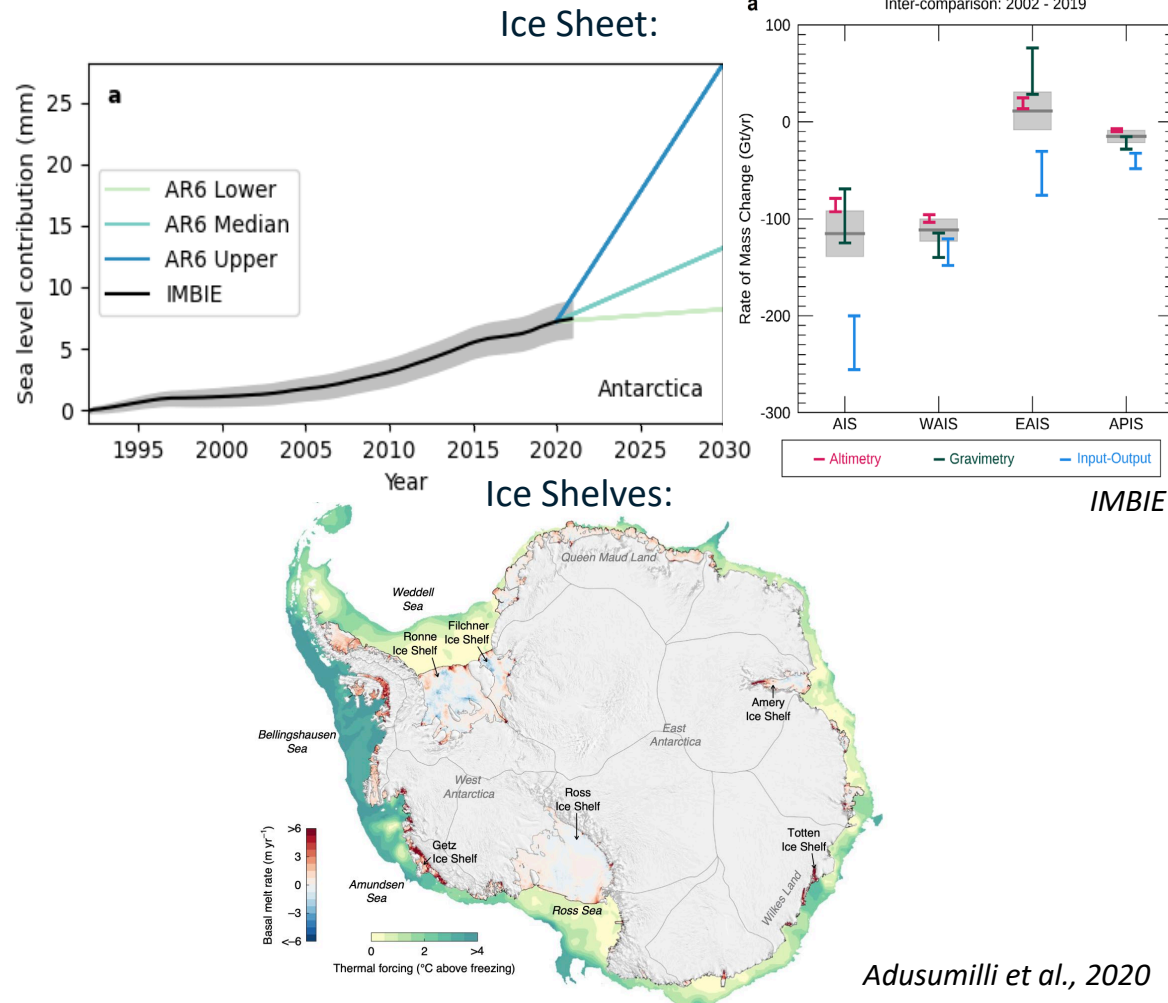


Mass Balance of the Cryosphere: Antarctica

Current state



Remaining challenges:

- Antarctic Peninsula data still sparse
- East Antarctica still shows divergence
- Coarse spatial resolution of gravimetry
- Model descriptions of firn and surface mass balance processes, glacial isostatic adjustment
- Radar & laser altimeter penetration
- Aggregation still statistical, not physical
- Biases between EO methods not resolved
- Grounding line migration
- Glaciers & ice caps not systematically accounted for