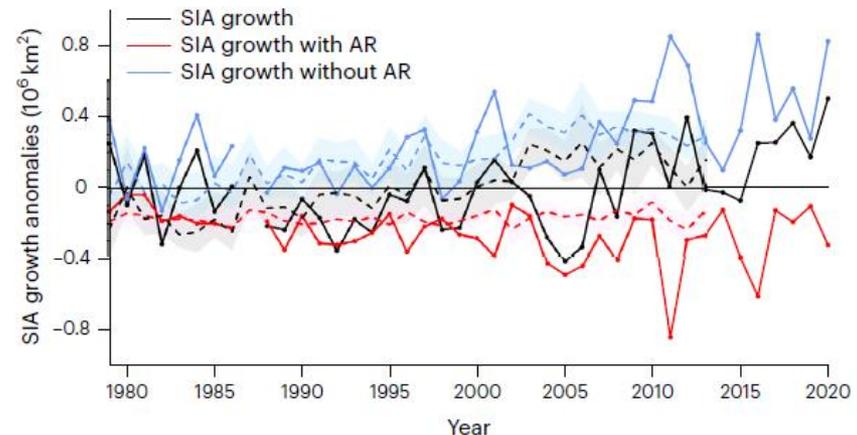
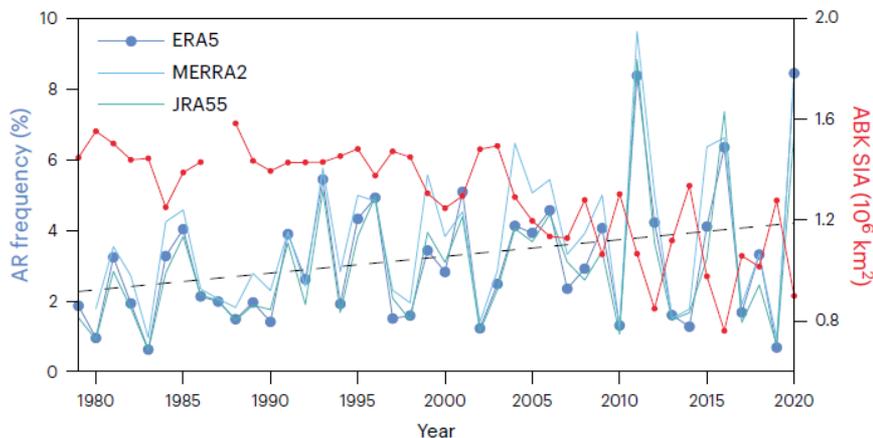


More Frequent Atmospheric Rivers Slow the Seasonal Recovery of Arctic Sea Ice

- In the past few decades, the Arctic has seen a significant increase in Atmospheric River (AR) frequency in the early winter over the Barents–Kara Seas and the neighboring central Arctic (ABK) that is robust across three observational datasets.
- The Sea Ice Area (SIA) growth with and without ARs clearly demonstrates that more frequent ARs slow the seasonal sea-ice growth and therefore contribute to the SIA decline during the ice-growing season.



Zhang, P., Chen, G., Ting, M., Ruby Leung, L., Guan, B., & Li, L. (2023). More frequent atmospheric rivers slow the seasonal recovery of Arctic sea ice. *Nature Climate Change*, 13(3), 266–273. <https://doi.org/10.1038/s41558-023-01599-3>