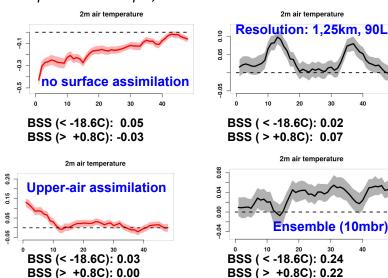
## How to configure regional high-resolution NWP systems to maximize short-range forecast quality and value?

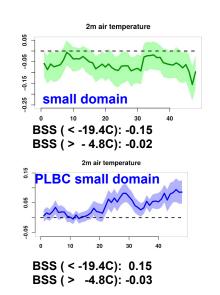


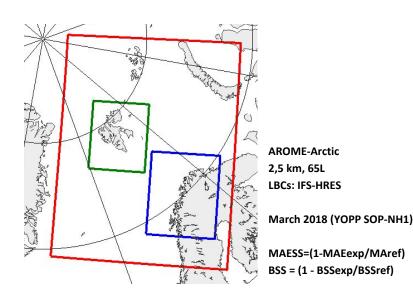




2m air temperature example;







The combination of (coarser resolution) global and regional high-resolution NWP systems are important in short-range Arctic weather forecasting.

However, **configuration choices of the regional system**, e.g. initialization method, resolution, ensemble set-up, domain size and location and LBCs may have a substantial **impact on forecast quality and end-user value**. Good choices optimize operational forecast quality and end-user value based on available computer resources.















