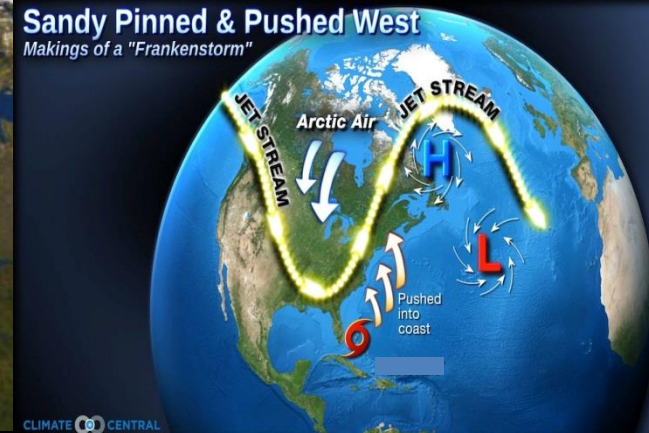
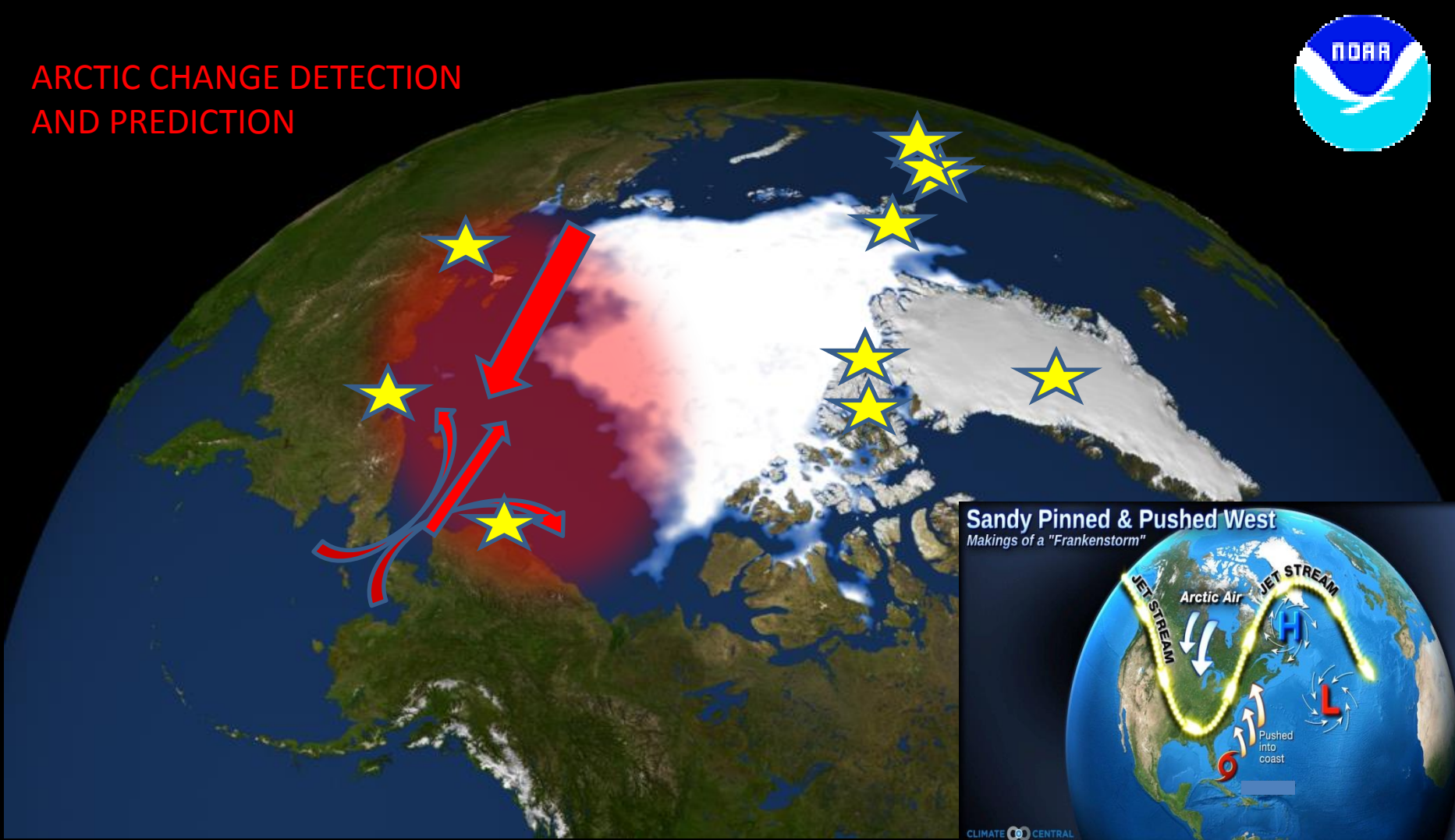



**Pacific-Arctic Sea Ice Loss** from advection of heat from both the Pacific and Atlantic Gateways, added Ocean Heat Storage and Heat Flux from New Sea Ice Free Areas affects also the mid-latitudes: Data assimilation: RUSALCA results from the Pacific Arctic, NABOS results from the Atlantic Arctic and atmospheric trends from the **circum- Arctic observatories**


**ARCTIC CHANGE DETECTION  
AND PREDICTION**




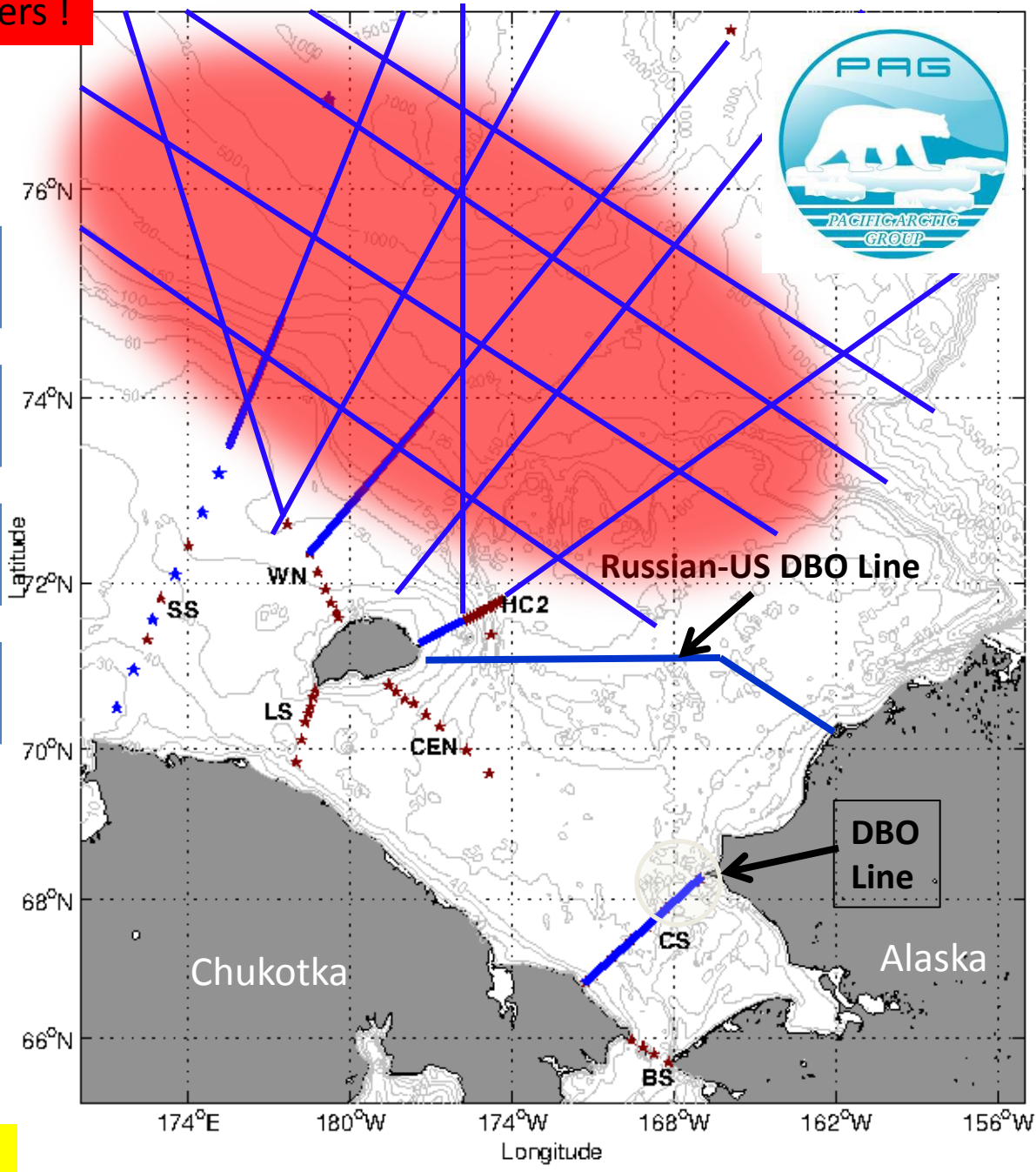
# Considerations for 2014-2019 sampling

 2 U.S. Russian DBO lines

 10 Repeat hydrography,

 Ecosystem and Methane

 RUSALCA + Korea, China, Japan, Canada, Germany, Sweden?



**YOUR ADVICE WANTED!!**