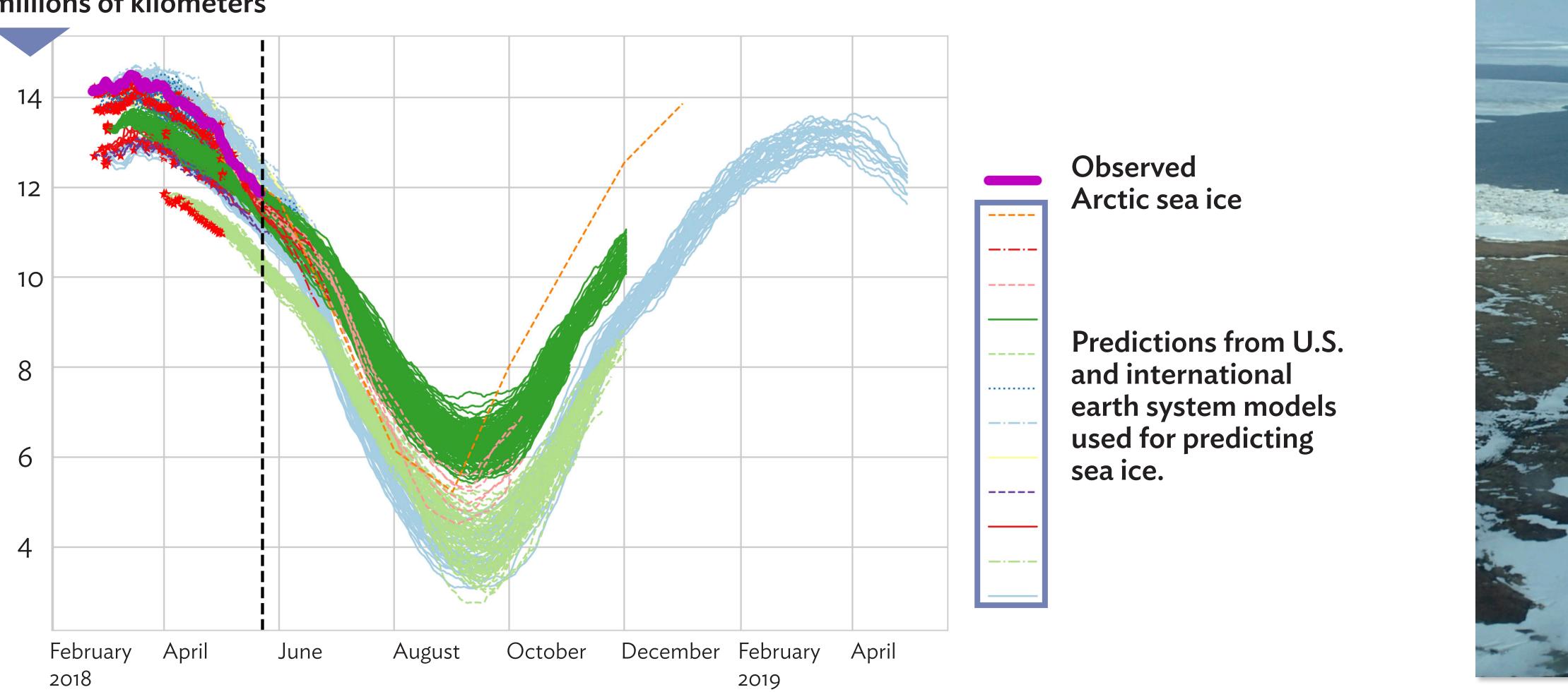
SEASONAL SEA CE PREDICTIONS

A network linking scientists and stakeholders

Sea Ice is changing and many different groups need reliable forecasts of sea ice conditions for timeframes ranging from the next two days to six months from now. The Sea Ice Prediction Network (SIPN²) takes the best science available based on computer model forecasts to make products that are useful for Alaska stakeholders. It also contributes to scientific advances needed to make more reliable and useful forecasts of sea ice. Communication between scientists and stakeholders is essential to identify products that meet needs and are possible based on the available science.

Arctic sea ice extent in millions of kilometers



SPIN² does basic science to user-inspired research

Basic science



User-inspired

Conduct climate model simulations to study how oceanic heat melts sea ice Evaluate seasonal forecasts using new interactive data portal (eSIPN) Develop new observation-based products from satellite data to improve sea-ice predictions Provide climate model and statistical forecasts for Sea Ice Outlook (SIO) Evaluate the economic value of sea ice forecasts for Alaska marine shipping industry

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SEA ICE PREDICTION NETWORK WWW.ARCUS.ORG/SIPN



