

Local Environmental Observer (LEO) Network – View our June map for new observations from LEO Network members about volcano eruptions in Sand Point and King Cove, herring roe in Toksook Bay; permafrost thaw in Chuathbaluk; insects in Chalkyitsik; sand lance in Atka, cod fish in Tununak; seals in Wales, and willows in Evansville. [ANTHC](#) Visit our map [archive](#) and follow us on [Facebook](#).

Climate Events in the Circumpolar North - View our June map to see news reports from across the circumpolar north. In Alaska a swarm of earthquakes in the Northwest Arctic; Iceland worries about declining lobster stocks; in Sweden an early start to the mushroom hunting season, in Canada floods in the West, fires in the North and in the East the first tufted puffin since the 1830s. [ANTHC](#). See our map archive [here](#).

Climate change study heats up Arctic soil – June 23, 2014. *Amelia Jaycen* - Climate change is a hot topic, and the issue is even “hotter” in the Arctic since vast carbon stores make the north more sensitive to rising global temperatures. Researchers at the Bioforsk complex in the Pasvik Valley in Norway just completed installation of a system to test this temperature flux and show what the effects might be on food production for populations in the high north and measure changes in greenhouse gas emissions. [Barents Observer](#)

Earlier snowmelt prompting earlier breeding of Arctic birds June 25, 2014. Biologists have found the migratory birds that breed in Arctic Alaska are initiating nests earlier in the spring, and that snowmelt occurring earlier in the season is a big reason why. Researchers looked in nearly 2500 nests of four shorebirds and one song bird and recorded when the first eggs were laid in each nest. [ScienceDaily](#)

Man confronts mystery beast in Arctic sauna June 20, 2014. *Seth Kantner* - It's been an unpredictable winter, rainstorms in November, December and January, little snow, thin ice and breakup starting in April -- and it's hard to know what to expect next. All this climate change stuff puts you on edge and depletes your trust and confidence. Each new cave-in along the river -- is that the permafrost melting? Every unrecognizable plant creeping into your favorite cranberry patch -- is that an invasive species? All the helicopters zooming around -- what are they after? [Anchorage Daily News](#)

Addressing food insecurity in Northern Canada June 11, 2014. *Heather Exner-Pirot* - The challenge of northern food security is not new, but awareness on the issue has been growing. The main reasons can be narrowed down to a few main factors: the transition from subsistence to wage economies and the decline of local harvesting of meat, fish and berries; the high cost of groceries due to small, remote markets; local preferences for salty, sugary and fatty processed foods; and the relative poverty of northern inhabitants. [Alaska Dispatch](#)

Evidence grows that warming Arctic may cause extreme weather June 23, 2014. *Gerard Wynn* - Rapid warming of the Arctic may be linked with recent extreme weather in Europe and the United States. The impact of a warming Arctic on world weather is one of the hottest topics in meteorology. The debate has spun out of observations that the Arctic is warming twice as fast as the rest of the northern hemisphere, because of a combination of rising greenhouse gas emissions and melting sea ice. One mechanism has been proposed to explain how such Arctic warming may be linked with more frequent extreme weather further south. [Responding to Climate Change](#)

Video of the Week - The Arctic in the anthropocene: emerging research questions. A warming climate is reshaping Arctic ecosystems, bringing changes such as the loss of sea ice and glaciers, thawing of permafrost, and changing snow patterns. The need for actionable Arctic science has never been greater. This video describes a new report identifies emerging research questions important for understanding how environmental and societal transitions will affect the Arctic and the rest of the world. [Polar Research Board](#)
The Climate and Health E-News is read by people who are interested in climate change and public health in the circumpolar north. For back issues at the Alaska Medical Library, click [here](#). To subscribe or unsubscribe, click [here](#).

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