







Introducing the **Arctic Regional Climate Centre Network** (ArcRCC-N) https://www.arctic-rcc.org/

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Arctic Climate Forum, October 30, 2019















Welcome to Arctic Climate Forum - ACF

Former PARCOF

- A forum for Arctic Regional Climate forum Network to meet stakeholders and users
- Every spring a face-to-face meeting
- Every fall a virtual meeting like this one





What's the difference?



Weather



- Conditions of the atmosphere over a short period of time
- Reported in terms of hours and days for a city, town, region

It answers these questions

- What is the temperature right now?
- Will I need a coat this afternoon?
- Will it snow this weekend?

Climate



- Average weather of a place over period of many years
- Tells us what's normal for an area.

It answers these questions

- What is an average winter like in Ottawa?
- Was 2015 the warmest summer on record?
- Will Tromsø have above normal temperatures this summer?

Climate is what you expect, weather is what you get

(sources: NOAA, NSIDC and WMO and websites)

New levels of Climate Information

Time Scale	Days	Weeks	Months (sub-seasonal)	Seasons (3 months)	Years	Decades	Centuries
Weather or Climate Information	Weather forecasting		New climate products with scientific advances			Climate Change Models	
Geographic Scale	Lo	ocal	Regional			Global	

- Filling an information gap between
 - Local and global
 - Daily/weekly and decadal
- Our focus is on regional coverage at sub-seasonal (monthly) and seasonal (3 months) scales



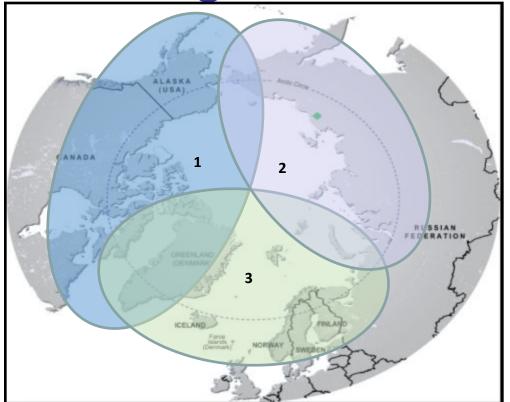
The Arctic Regional Climate Centre

NATIO	ONAL	REGIO	NAL	CIRCUMPOLAR	
Countries	Meteorological Organizations	Regional Climate Centres (RCCs)			
United States	NOAA	No alla A considera			
Canada	ECCC	North American Node	Forecasting		
Denmark	DMI		Data Services	Arctic Regional Climate Centre	
Iceland	IMO	Northern			
Norway	NMI	European /			
Sweden	SMHI	Greenland Node			
Finland	FMI				
Russia	AARI	Northern Eurasia Node	Monitoring		

Collaboration/Networking across Arctic regional nodes and Meteorological Organizations



Arctic Polar Regional Climate Centre



Benefits:

- Link Arctic nations and fill geographical gaps in coverage
- Improve collaboration on climate forecasting and monitoring
- Collaboration on climate products, accessible through <u>one website</u>
- Understanding regional variability, climate processes and climate change adaptation needs



ArcRCC Products

- Seasonal Outlooks for the <u>upcoming</u> season: forecasts from models on
 - temperature,
 - precipitation and
 - sea-ice forecasts
- 2. **Seasonal Summaries** of the <u>past</u> season: describes actual temperature, precipitation and sea-ice details based on monitoring observations
- Arctic Consensus Statement a collaborate effort by the network which reviews
 - Trends in the historical monitoring data
 - Forecasts from the models
 - Using Met/Ice climate expertise, fill gaps in the data
 - Develop a consensus outlook for the Arctic for the <u>upcoming</u> season



How is this information different than?

The Arctic Council's Arctic Monitoring and Assessment Programme (AMAP)

 i.e. the Snow Water Ice and Permafrost Assessment (SWIPA) report discusses trends and future predictions, updated once every 5-6 years

National Snow and Ice Data Centre – Arctic Report Card

Annual Summary of the Arctic climate over the past year

ArcRCC products are <u>ongoing</u> operational Arctic climate summary and forecast products that are updated every Winter and Summer



Agenda for today (UTC time)

- 4:00 Welcome, Introducing ArcRCC and Arctic Climate Forum
- 4:10 Non-technical Arctic Regional Briefing:
- 4:10 Review of the temperature, precipitation and sea-ice conditions during the summer of 2019 and Outlook for Winter 2019/20 by Arctic region: Eurasia, Europe and North America.
- 4:40 Technical Briefings:
- 4:40 Summer 2019: Seasonal Summary for Temperature,
 Precipitation and Sea-Ice
- 5:10 Winter 2019-2020: Seasonal Outlook and validation for Temperature and Precipitation
- 5:30 Winter 2019-2020: Seasonal Outlook and validation for Sea-Ice
- 5:50: Final thoughts, feedback, questions
- 6:00: End of Virtual Forum

Questions to be posted only via chat in Blue Jeans





Thank you!