

[ABC-iCAP Project](#) : Publications and Presentations

The EU-funded project *Arctic Black Carbon impacting on Climate and Air Pollution (ABC-iCAP)*, co-managed by AMAP Secretariat, Finnish Environment Institute (SYKE) and Swedish Environmental Research Institute (IVL), and involving several other partners, was implemented between 21 December 2021 and 20 December 2023. Products of the project work are listed below and available from the project [website](#), the project [YouTube channel](#), or the AMAP Secretariat.

ABC-iCAP Reports	
Title	Citation
Fire in the Arctic: Current Trends and Future Pathways ¹	Paunu, V.-V. and J.L. McCarty et al., 2023. Fire in the Arctic: Current Trends and Future Pathways. Arctic Black Carbon impacting on Climate and Air Pollution (ABC-iCAP) Project Technical Report 1. November 2023 vi+20pp
Synthesis of Arctic Council Member and Observer Emissions of Black Carbon and Methane ¹	Matthews, B., K. Seuss, B. Ullrich, S. Schindlbacher, 2023. Synthesis of Arctic Council Member and Observer Emissions of Black Carbon and Methane. Arctic Black Carbon impacting on Climate and Air Pollution (ABC-iCAP) Project Technical Report 2. December 2023 iv+47pp.
New Products and Data for Better Monitoring of Arctic Black Carbon	Asmi, E., S. Eckhardt, N. Evangeliou, K. Luoma, A. Hyvärinen, 2023. New Products and Data for Better Monitoring of Arctic Black Carbon. Arctic Black Carbon impacting on Climate and Air Pollution (ABC-iCAP) Project Technical Report 3. December 2023 iii+17pp.
Socio-Economic Analysis of Air Pollution and Climate Forcer Emission Reductions in the Arctic Council Member States with Special Focus on Black Carbon and Methane Emissions – Policy Brief ¹	Bahr, J.v and P. Roldin et al., 2023. Socio-Economic Analysis of Air Pollution and Climate Forcer Emission Reductions in the Arctic Council Member States with Special Focus on Black Carbon and Methane Emissions. Arctic Black Carbon impacting on Climate and Air Pollution (ABC-iCAP) Project Technical Report 4. December 2023
The future of Arctic fires: Leveraging ongoing activities, new efforts, and international cooperation ¹	Paunu, V.-V. and J.L. McCarty et al., 2023. The future of Arctic fires: Leveraging ongoing activities, new efforts, and international cooperation. Arctic Black Carbon impacting on Climate and Air Pollution (ABC-iCAP) Project Technical Report 5.

¹ Executive summary with Russian translation available via report links

ABC-iCAP Presentation Video Library			
Speaker(s)	Date of Video	Title of Video	Playlist link
COP 27 (16 November 2022)			
Irina Isakova (CarbonLimits)	16.11.22	Reducing emissions from the oil and gas sector	https://www.youtube.com/playlist?list=PL8b2JOHGXl6r2W6PiRrNDk-zV_TWW28ii
Dr. Lena Höglund-Isaksson (IIASA)		Reducing methane emissions	
Lisa Koperqualuk (ICC)		Building alliances at the International Maritime Organization	
Dan Rutherford (ICCT)		The Impacts from Arctic Shipping	
Jessica McCarty (NASA) and Ville-Veikko Paunu (SYKE)		The Arctic on Fire	
Wildfire Climate Dialog Meeting (8 March 2022)			
Michelle Badalov and Mariel Friberg	08.03.22	Boreal Fires and Air Quality: Leveraging Lower Earth Orbiting Satellite Stereo Winds to Investigating Wildfire Aerosol Plumes Convection and Dynamics	https://www.youtube.com/playlist?list=PL8b2JOHGXl6rCDDP912w8sY5UO_GXDHAh
Ville Veikko and Niko Karvosenoja (SYKE)		Overview and Wildlife Research Interests at SYKE	
Amber Soja		Pending permission to upload	
Emily Gargulinski		Pending permission to upload	
Justin Fain		Pending permission to upload	
Elizabeth Wiggins		Pending permission to upload	
J. Vukovich		Pending permission to upload	
Amber Soja		Pending permission to upload	

Webinar: Wildfires (27 October 2022)			
Sabine Eckhart (NILU)	27.10.22	Biomass Burning Aerosol in the Norwegian Arctic	https://www.youtube.com/playlist?list=PL8b2JOHGXl6rdualqSL5jBCgM9zBC_MfS
Rick Thoman		Alaska Wildfire 2022 Review: Burning Beyond the Bounds	
Piyush Jain		Fire and Climate across scales: a North American perspective	
Antti Lipponen, Tero Mielonen and Xiaoxia Shang		Remote sensing capabilities for observation of wildfire plumes	
Webinar: Wildfires (13 November 2023)			
Edward Alexander (GCI)	13.11.23	Perspectives and thoughts on Arctic fires	https://www.youtube.com/playlist?list=PL8b2JOHGXl6qxy82nS5mzNpG0KHLq_uqC
Yan Boulanger		Impacts of climate change on wildfires in eastern Canada and their consequences on the forest sector	
Johan Sjöström		How human activity and demographics drive the Scandinavian fire regime	
Anna Lipsanen (FMI)		Future pathways for Arctic fires	
Webinar: Urgent Need to Cut Black Carbon from Shipping (4 October 2023)			
Sian Prior (CAA)	04.10.23	Current Status of IMO Actions and Perspectives	https://www.youtube.com/playlist?list=PL8b2JOHGXl6omOFLeFuYXuPvtneD1n3t4
Liudmila Osipova (ICCT)		Black Carbon Emissions from Arctic Shipping	
Andrew Dumbrille (ICC)		Climate and Health Impacts from Black Carbon Emissions from Shipping	
John Bradshaw (WSA)		Black Carbon Mitigation: IMO Progress and Abatement Potential	
Katelyn Wells (ECCC)		Marine Black Carbon Emissions and Canada's Arctic Emissions Control Area (ECA) Update	



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ABC-iCAP Transatlantic Meeting: What Next for Black Carbon and other SLCFs Impacting the Arctic?

Anastasia Isaenko (CarbonLimits)	09.11.23	Oil and Gas Sector	https://www.youtube.com/playlist?list=PL8b2JOHxI6pCFdqELsn5VgHa860khX-
Ville-Veikko Paunu (SYKE)		Wildfires and Agricultural Fires	
Marcus Sarofim (USEPA)		Domestic Heating	
Bryan Comer and Liudmiula Osipova (ICCT)		Shipping	
Pontus Roldin and Jenny von Bahr (IVL)		Socio-Economic Analysis of Mitigation Measures	
Bradley Matthews (UBA)		Black Carbon and Methane Emissions Reporting Update	