

# AMAP

## Arctic Monitoring and Assessment Programme

ARCTIC COUNCIL WORKING GROUP

AMAP monitors pollutants and climate change, and assesses levels, trends and effects on ecosystems and human health in the Arctic

### AREAS OF WORK:

- Persistent organic pollutants (POPs) and chemicals of emerging Arctic concern (CEAC)
- Heavy metals, with a particular focus on mercury
- Short-lived climate forcers and air pollutants
- Radioactivity
- Litter and micro-plastics
- Key climate indicators related to the cryosphere (sea and land ice, snow, permafrost and Arctic hydrology)
- Meteorology (including extreme weather events)
- Environmental, ecosystem and societal impacts of climate change, including ocean acidification
- Effects of pollution and climate change on the health of humans living in the Arctic
- Combined effects of pollutants and other stressors on both ecosystems and humans

### QUICK FACTS

#### ESTABLISHED

1991

#### LOCATION

Tromsø, Norway

#### INCOMING CHAIR

Benjamin DeAngelo  
The United States  
(2021-2023)

#### OUTGOING CHAIR

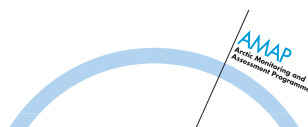
Anders Turesson  
Sweden  
(2019-2021)

#### CONTACT

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Executive Secretary  
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#### CONTEXT

The six Arctic Council Working Groups execute projects and programs mandated by the Foreign Ministers of the Arctic States.





ADAM RHEBORG



SHUTTERSTOCK

## AMAP EXPERT GROUPS

Coordinating monitoring, compiling information and assessing the state of the Arctic environment in relation to:

- Climate
- Short-lived Climate Forcers
- Persistent Organic Pollutants
- Mercury
- Human Health
- Radioactivity
- Litter and Microplastics

## FEATURED 2021 PUBLICATIONS

### **ARCTIC CLIMATE CHANGE UPDATE 2021: KEY TRENDS AND IMPACTS**

Time series of trends in key Arctic climate parameters, evaluation of climate models for the Arctic, review of extreme events, weather connectivity of the Arctic to lower latitudes, and initial assessments of climate change impacts on Arctic ecosystems and ecosystem feedbacks and some societal impacts

### **AMAP ASSESSMENT 2021: IMPACTS OF SHORT-LIVED CLIMATE FORCERS ON ARCTIC CLIMATE, AIR QUALITY, AND HUMAN HEALTH**

Integrated assessment of Arctic air pollutants, their emission sources, impacts and projections for the future, with a focus on short-lived climate forcers

### **AMAP ASSESSMENT 2020: POPS AND CEAC - INFLUENCE OF CLIMATE CHANGE**

Updated information on how climate change is affecting pathways and fate of contaminants in the Arctic, and its relevance to international chemicals regulation

### **AMAP ASSESSMENT 2021: MERCURY IN THE ARCTIC**

Updated assessment of levels, trends and effects of mercury on Arctic wildlife and human health in the Arctic, under a changing climate

### **HUMAN HEALTH IN THE ARCTIC 2021**

An update on trends in contaminant levels in Arctic people, new results on health effects of these contaminants, information on risk assessment and communication and a first review of the health impacts of ongoing dietary transitions

### **LITTER AND MICROPLASTICS MONITORING PLAN**

The Expert Group has developed a monitoring plan and technical guidelines for the sampling and analysis of litter and microplastics