Chemicals of Emerging Arctic Concern

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AMAP

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Document Title

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Flyer
Since 1998, the Arctic Monitoring and Assessment Programme (AMAP) has produced a series of comprehensive scientific assessments of Persistent Organic Pollutants in the Arctic. These assessments provide important information for policy-making in relation to chemical management, including further development of the Stockholm Convention.

A new AMAP assessment of **Chemicals of Emerging Arctic Concern** will be published during the second half of 2016, with policy findings communicated to the Arctic Council in 2017.

The assessment has been prepared by the AMAP POPs Expert Group under the leadership of Cynthia de Wit (Stockholm University, Sweden), Derek Muir (Environment and Climate Change Canada), Katrin Vorkamp (University of Aarhus, Denmark) and Jennifer Balmer (USA). Its main focus is Arctic occurrence of 17 main groups of chemicals/substances of emerging Arctic concern:

- Per- and polyfluoroalkyl substances (PFAS)
- Brominated flame retardants (BFRs)
- Chlorinated flame retardants (CFRs)
- Organophosphate-based flame retardants and plasticizers (PFRs)
- Phthalates
- Short-chain chlorinated paraffins (SCCPs)
- Siloxanes
- Pharmaceuticals and personal care products (PPCPs)
- Polychlorinated naphthalenes (PCNs)
- Hexachlorobutadiene (HCBD)
- Current-use pesticides (CUPs)
- Pentachlorophenol (PCP) and pentachloroanisole (PCA)
- Organotins
- Polycyclic aromatic hydrocarbons (PAHs)
- New unintentionally generated PCBs
- Halogenated natural products (HNPs)
- Marine Plastics and Microplastics

Additional sections of the assessment address Toxicology, Contaminants of potential concern, Screening and Chemical properties, Policy-relevant Conclusions and Recommendations.

Presentations of some of the key scientific results of this work were made at the DIOXIN2016 conference.