

AGENDA

Atelier de mobilisation des connaissances sur la science des plastiques

Jour 1- Le mercredi 30 novembre 2022

11 h 00 EST

Ouverture

11 h 10

Discours de bienvenue

Marc D'Iorio, Sous-ministre adjoint de la Direction générale des sciences et de la technologie d'Environnement et Changement climatique Canada

Le devenir et le transport

11 h 15

"Plastic pollution in biota in the Arctic"

Jennifer Provencher, Environment and Climate Change Canada

11 h 30

"Microplastics and Plastic Associated Contaminants in the Snow Deposition in the Canadian Arctic"

Ingrid Granados-Galvan, L'Université du Québec à Rimouski

11 h 45

"pELAsTic Part I: Measuring the fate and effects of microplastics via littoral and pelagic in-lake mesocosm experiments at IISD-ELA"

Chelsea Rochman, University of Toronto

12 h 00 – 12 h 30 Pause

12 h 30

"Fate and transport of microplastics on shorelines"

Chunjiang An, Concordia University

12 h 45

"Quantifying and characterizing microplastics in water and zooplankton from eight lakes in British Columbia, Canada"

Natasha Klasios, University of British Columbia

13 h 00

"Microplastic composition and concentration in Canadian biosolids and agricultural biosolid applications"

Jesse Vermaire, Carleton University

13 h 15

"Source-specific identification, characterization and control of microplastics across a remote, rural and urban gradient"

Miriam Diamond, University of Toronto

13 h 30 – 14 h 00 Pause

14 h 00 **“Lagrangian tracking of Virtual Fibers in the Strait of Georgia”**

Jose Valenti, University of British Columbia

14 h 15 **“Degradation of consumer plastics into microplastics and nanoplastics”**

Nariman Yousefi, Toronto Metropolitan University

Les microplastiques en tant que vecteurs

14 h 30 **“Micro- and nanoplastics as vectors for organic contaminants”**

Jeff Farner, University of Alberta

14 h 45 **“What drives microplastic toxicity?: Distinguishing the effects of plastic microparticles from their additives”**

Ludovic Hermabessiere, University of Toronto

15 h 00 – 15 h 15 Remarques de clôture – Jour 1

Jour 2 – Le jeudi 1 décembre 2022

11 h 00 **Bienvenue**

Les microplastiques en tant que vecteurs

11 h 05 **“Can Biofilm Present on Microplastics Impact Drinking Water Consumers?”**

Robert Andrews and Husein Almuhtaram, University of Toronto

11 h 20 **“Long-term impacts of common microplastic polymers and plastic additives on the behaviour and proteome of juvenile Lake Trout (*Salvelinus namaycush*)”**

Haley Macleod, Lakehead University

Toxicologie et impacts environnementaux

11 h 35 **“The pELAstic Project, Part II: Evidence for the ecological effects of microplastic pollution through ecosystem-based experimentation”**

Diane Orihel, Queen’s University

11 h 50 **“Characterizing the exposure and effect of microplastics to freshwater and terrestrial biota”**

Ryan Prosser, University of Guelph

12 h 05 – 12 h 30 Pause

- 12 h 30 **“Investigating microplastics as an interference agent in root-soil-microbial interactions”**
Cameron Proctor, University of Windsor
- 12 h 45 **“Effects of sub-chronic exposure of mice to nanoplastics on male reproductive tissues”**
Daniel Cyr, Institut national de la recherche scientifique
- 13 h 00 **“Microcosm study of the effects of polyester microfibre on indigenous marine amphipods: the implication for the Strait of Georgia ecosystem”**
Oladimeji Iwalaye, University of British Columbia and Oceanwise
- 13 h 15 **“Polyethylene microplastic beads are pulverized in the digestive system of a cricket, but with little impact on insect growth rates”**
Heath MacMillan, Carleton University
- 13 h 30 **“Occurrence and Ecotoxicological Effects of Micro/Nanoplastics in Saskatchewan Watersheds”**
Yao Yao, University of Regina
- 13 h 45 **“Plastic degradation at sea and in the laboratory”**
Emilien Pelletier, L'Université du Québec à Rimouski
- Méthodes analytiques**
- 14 h 00 **“Novel Approaches to Detect and Image the Smallest Plastics”**
Nathalie Tufenkji, McGill University

14 h 15 – 14 h 30 Pause

14 h 30 - 15 h 30

**Groupe interministériel fédéral sur la science du plastique
Environnement et Changement climatique Canada, Santé
Canada, Relations Couronne-Indigène et Affaires du Nord
Canada, Conseil national de recherches Canada, Pêches et
Océans Canada, Agriculture et Agroalimentaire Canada.**

15 h 30 – 15 h 45

Remarques de clôture

*Matt Cloutier, Directeur Général, Stratégies en Sciences et Technologie, de la
Direction générale des sciences et de la technologie d'Environnement et
Changement Climatique Canada*