

## Appendix 1: NNRR Agenda

### NATIONAL NUTRIENT REUSE AND RECOVERY FORUM

Hosted by the International Institute for Sustainable Development  
in partnership with ECCC and MOECC

Ontario Investment and Trade Centre, 250 Yonge Street, 35<sup>th</sup> Floor  
Thursday, March 8, 2018

#### Registration 8:30 a.m. Coffee and Continental Breakfast

**Welcome – Setting the stage 8:50 a.m.** – Dr. Hank Venema, Introductions

- MOECC – Tom Kaszas
- Lake Erie Action Plan – Madhu Malhotra/Sandy George
- Ontario Environmental Commissioner’s Office – Ellen Schwartzel
- Sustainable Phosphorous Alliance – Dr. James Esler

#### Canadian Context, Nutrient Initiatives and Opportunities

**Keynote Speaker: Dr. Don Mavinic, UBC**

- Global, national and provincial perspectives through examples
- Fraser Valley dairy issues (e.g., leading recovery work from dairy cows, P recovery, energy and GHG factors)
- **Dr. Celine Vaneckhaute, Laval University**
- Leading nutrient recovery workshops/pilot projects in Quebec

**Chris Thornton, European Sustainability Phosphorous Platform (ESPP)**

- How EU platform operates and key current projects to inspire us

#### Bio Break – 10:30 a.m. – 10:45 a.m.

**Kathleen McTavish/Ryan Carlow/Phil Dick: UofGuelph/ECCC/OMAFRA**

- Identifying the status of P flows in Ontario
- Life-cycle temperature and nutrients

**Dr. Richard Grosshans, IISD**

- P recovery from cattails, Lake Winnipeg Bioeconomy Project
- Manitoba livestock and phosphorous issues

**PANEL DISCUSSION – 11:20 a.m. – 12:00 p.m.**

**LUNCH 12:00 p.m. – 12:50 p.m.**

**Agricultural Perspectives – Rural and Urban; Technologies; Economic Instruments**

**Tlequan Zhang, Ag Canada**

- Agricultural hotspots in Canada
- 6 in Ontario, 2 in Lake Erie Basin (description) and implications

**Keith Reid & Christine Brown, AG Canada/OMAFRA**

Opportunities and challenges for agriculture's contribution to the circular nutrient economy

- On-farm reuse of nutrients

**Everglades Foundation**

- George Barley Water Prize – Top 10 technology teams compete for \$10M grand prize in removing and recovering P from fresh water
- Holland Marsh Ontario cold temperature test site

**Mike Dougherty, Lystek**

- Circular economy success story drivers? Future issues and opportunities
- A commercialized treatment technology, biosolids/non-hazardous wastes

**Bio Break 2:05 p.m. – 2:20 p.m.**

**Brandon Moffat, Stormfisher Environmental Ltd.**

- On- and off-farm anaerobic digesters and digestate reuse
- What prompted invention? Future issues and opportunities

**Rachel Lee, Ostara**

- Recovery opportunities from urban and rural wastewater sources
- How Ostara evaluates business opportunities? Drivers? Future

**Theresa MacIntyre-Morris & Ann Huber, York Region/SRG**

- SRG (Treated WW application to sod farms), 2-year pilot
- Greenhouse Nutrient Feedwater, 4-year pilot

**Mike Walters, LSRCA – LSPOP**

- Lake Simcoe Region Conservation Authority to present on the pending Lake Simcoe Phosphorous Offsetting Program for Stormwater Works

**GROUP DISCUSSION 3:20 p.m. – 4:30 p.m.**

**Everglades Foundation Technology Competitors Tradeshow Event**

**Post-Forum Networking Event with Wine and Cheese Reception Hosted by the Everglades Foundation until 5:45 p.m.**