



Watershed Nutrient Inventories - Opportunities and Needs

September 20, 2019

2:30 pm (eastern), 1:30 pm (central), 12:30 pm (mountain), 11:30 am (pacific)

Nutrient inventories and budgets are valuable tools that can guide decisions for both voluntary and mandatory nutrient management practices from farm to regional scale. Nutrient inventories of various scales provide different perspectives, and there are tradeoffs between scope and detail. This webinar will focus on nitrogen and phosphorus inventories at two watershed scales, and how manure nutrients are incorporated. The webinar will also discuss opportunities to continually improve both the calculation methods and application of the results. *An application for continuing education credit for Certified Crop Advisors (CCAs) and members of the American Registry of Professional Animal Scientists (ARPAS) will be submitted.*



Dr. Robert Sabo is an ORISE Research Fellow at the EPA's Office of Research and Development. Robert received his Ph.D. at the University of Maryland Center for Environmental Science where he was broadly trained as an ecosystem scientist. At EPA, he leads the development of national assessments of the status and trends of nitrogen and phosphorus, inventorying the fluxes of these key nutrients across the contiguous US. These foundational datasets are being used to better understand the risks to aquatic systems across the US. In addition, they are being leveraged by various organizations to communicate the status of nitrogen and phosphorus cycles to local stakeholders. Phone: 202-564-9421; Email: Sabo.Robert@epa.gov

Dr. Mahmoud Sharara is an assistant professor and extension specialist at North Carolina State University (NCSU), Department of Biological and Agricultural Engineering (BAE). His specialty is animal waste management and processing into value-added products. He received his Ph.D. in Agricultural and Biological Engineering from the University of Arkansas. Before joining NCSU faculty, he was a postdoctoral research associate at the University of Wisconsin-Madison. Phone: 919-515-8242; E-mail: m_sharara@ncsu.edu



Erin Cortus joined the Department of Bioproducts and Biosystems Engineering at the University of Minnesota in August 2017. Dr. Cortus' program works with producers and communities to understand and continually improve the quality and productivity of livestock environments. Born and raised in Saskatchewan, she earned her Bachelor of Agricultural and Bioresource Engineering degree and Ph.D. at the University of Saskatchewan, and also spent time at Purdue University and South Dakota State University. Erin will be the moderator for this webinar. Phone: (612) 625-828; Email: ecortus@umn.edu

How Do I Participate?

On the day of the webinar, go to lpec.org/live-webinar-information/ to download the speaker's power point presentations and connect to the virtual meeting room. First time viewers should also follow the steps at: lpec.org/how-do-i-participate-in-a-webcast/.

This webinar is brought to you by the LPE Learning Community and the S1074 Multistate Project *Future Challenges in Animal Production Systems: Seeking Solutions through Focused Facilitation*.

The LPE Learning Community is a project dedicated to the vision that individuals involved in public policy issues, animal production, and delivery of technical services for confined animal systems should have on-demand access to the nation's best science-based resources. See our website at: lpec.org.