

# Engineering With Nature®

## Dow's Valuing Nature Journey

Wednesday, 10 February 2021, 10:00 CT

Register Here:

<https://ems8.intellor.com?do=register&t=1&p=836738>

You must pre-register to receive a join link, dial-in number, access code, and unique Attendee ID for the event.

### How a Multinational Chemical Corporation is Realizing Value by Incorporating Nature in Its Business Decisions

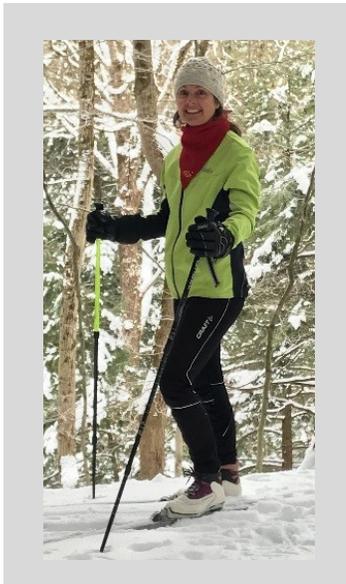
In this presentation you'll hear from representatives from Dow and The Nature Conservancy on Dow's commitment to identifying \$1B in net present value through the Valuing Nature Goal, tools and work processes developed to support the goal, as well as challenges and successes in driving culture change. The team will also present on two projects in the goal portfolio including a remediation project that transformed a coal ash pond into a municipal stormwater wetland in Midland, Michigan and Dow's ongoing efforts to transition to zero freshwater intake via watershed level engagement and green and gray infrastructure at its site in Terneuzen, The Netherlands.



- **Value Case for the Nature Goal: Tools, Work Processes, and Culture Change**  
France Guertin, Dow Environmental Technology Center, Engineered Natural Technology Leader and Valuing Nature Technology Leader
- **Dow & TNC Collaboration**  
Jennifer Molnar, The Nature Conservancy, Managing Director & Lead Scientist
- **Riverside Wetlands and ESII Tool**  
Betsy Witt, Dow Environmental Remediation and Restoration, Remediation Leader
- **Dow Terneuzen Water Management - Zero Freshwater Intake by 2025**  
Neils Groot, Dow Environmental Technology Center, Water Subject Matter Expert & HZ University Water Technology Professor

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## Guest Speakers



### FRANCE GUERTIN

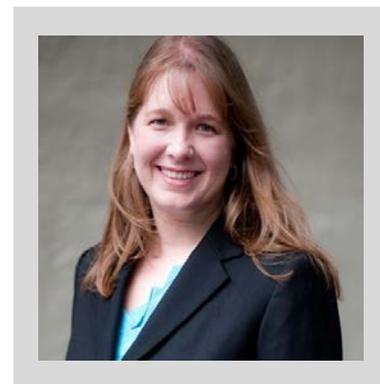
Dow Environmental Technology Center, Engineered Natural Technology Leader and Valuing Nature Technology Leader

France Guertin is Dow Chemical Company's senior technology manager of Engineered Natural Technologies as part of the Global environmental Technology Center. In this role, France serves as the technical lead for the Dow's Nature Goal working with manufacturing sites and businesses to implement projects and tools that plan, manage and invest in smarter, more productive ways that fit seamlessly within Nature. She started her career in 1986 with Dow Chemical Canada where she worked in various technologies and manufacturing roles for twelve years in both the US and Canada. She then took a leave from Dow to travel around the world and work in the renewable energy sector for a non-profit organization, The

Pembina Institute and Northern Power Systems in Vermont. Always looking for the perfect venue to create sustainable solutions, she recently completed a professional certificate in Biomimicry. Exploring the science of Biomimicry, she has realized that "Chemistry" is at the heart of creating a sustainable world.

### JENNIFER MOLNAR

The Nature Conservancy,  
Managing Director and Lead Scientist



Jen Molnar is lead scientist and managing director of The Nature Conservancy's Center for Sustainability Science, developing scalable conservation solutions that leverage business and policy. Jen has over 20 years of experience using science to improve decision-making, including through research, global assessments, corporate practice innovations, and environmental remediation. She is science lead for the TNC-Dow Chemical Company collaboration, which led to Dow's ground-breaking 10-year Valuing Nature Goal – a commitment to assess nature in all of their projects, aiming to generate \$1B in economic value by 2025. Her program also provides technical leadership in a collaboration with Syngenta, co-developing solutions and accountability for a \$2B investment commitment to shift their R&D and business models to create sustainable agriculture solutions. She has led interdisciplinary global research teams for the last decade, most recently as TNC's Director of Science.

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### BETSY WITT

Dow Environmental Remediation and Restoration,  
Remediation Leader

Betsy Witt Witt is a Remediation Leader in Dow's Environmental Remediation and Restoration Group (ER&R). She has responsibility for the Operation, Maintenance and Monitoring activities at sites in Michigan and across the mid-west. In her role, Betsy is responsible for managing environmental liabilities at both active and legacy sites. She

defines the management strategies and works with service providers to identify opportunities for technical enhancement to maintain compliance and accelerate advancement of sites toward closure. Betsy is charter member of the Nature Based Remediation Team, whose initiative is to transform Dow's remediation strategy to apply nature systems as a preferred solution. In addition to her role in ER&R, Betsy is a co-leader of Dow's 2025 Valuing Nature Goal which has recognized greater than \$400MM in value through business driven projects that reduce environmental impacts since 2015.

As a co-leader of the goal Betsy is involved in internal and external communications, work process alignment, and project consulting.

### NIELS GROOT

Dow Environmental Technology Center, Water Subject Matter  
Expert and HZ University Water Technology Professor

Niels Groot (1955), PhD, is employed at The Dow Chemical Company, located in Terneuzen, the Netherlands. He studied Chemical Technology at Eindhoven University of Technology, receiving a PhD in catalysis in 1984. He started his career in Dow at the R&D department. After fulfilling roles at various production facilities he focused on technology implementation and project management.

Currently he is within the Environmental Technology Center as a specialist on water and wastewater systems supporting plants globally. Over the past decades he was leading different teams to develop and implement a rigorous water management strategy for the Terneuzen site. As of 2011 Niels is a part-time professor in Water Technology at the University of Applied Sciences in Vlissingen, the Netherlands.

