

# COLLOQUIUM

## **Phytoremediation at Argonne: Using plants to solve groundwater and soil contamination challenge**

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4:00 p.m. - Wilson Hall, One West

Green remediation of contaminated soil and groundwater involves strategies that maximize sustainability, reduce energy usage and emissions, reduce water usage, promote carbon neutrality, promote industrial materials reuse and recycling, and protect and preserve land resources.

At the 317 and 319 Areas at Argonne National Laboratory, past industrial practices resulted in contamination of soil and groundwater by tritium and solvents. As a remedial action, Argonne chose a phytoremediation system, relying on plants to remediate the subsurface. This talk will cover the rationale, design, implementation, monitoring, and lessons learned from this green remediation system.