



# Natallia Leuchanka<sup>1,2</sup> Co-Authors: Catherine Ashcraft<sup>1,2</sup>, Weiwei Mo<sup>3</sup>, Cuihong Song<sup>3</sup> University of New Hampshire Department of Natural Resources and the Environment<sup>1</sup> Environmental Planning, Policy, and Sustainability Lab<sup>2</sup> Department of Civil and Environmental Engineering<sup>3</sup> Participatory System Dynamics Simulation (PSDS)How can PSDS help us solve 'wicked problems? Technical Social & & Physical Political Complexity Complexity Soft Hard Methods Methods SDM RPS Next Steps • Stakeholder Assessment o Semi-structured interviews • RPS design • Context, stakeholders, issues, interests, positions, dam management decision alternatives, constraints, etc. • PSDS workshop design: integration of SDM and RPS • Evaluation advancement o Both SDM & RPS face similar evaluation challenges Evaluate participatory and Ο environmental outcomes We Want Your Thoughts! (lift sticky note)

What do dams mean to you?

How do you think science can be better used in decision-making?