



SCENARIO:

MANAGING FOR WATER CLARITY

(PART 2 — ADAPTATION)

Setting the scene

The lake has undergone a transformation. How do you adapt to the new normal?

As a group, read the scenario below, then **discuss**:

5 minutes: Land use change in your watershed has reduced water clarity in the lake. How could the system change as a result?

5 minutes: How could your organization adapt its management actions to support the system post-transformation?

Record your thoughts to share with the group.

Scenario

The lake's watershed is changing. New farming activity means additional nutrients from crop fertilizers and livestock rearing are flowing into the lake. Plus, new development is increasing impervious surface cover, including roads and parking lots, which generate salt- and pollutant-laden runoff that flows into surface waters.

Consider

- Changes in land use are here to stay, and water clarity will be affected. What are some potential futures for the lake? Imagine several possible outcomes.
- What management actions could your lake organization take to support lake health and promote water clarity as surrounding land use changes?

Remember to think about how impacts from other lakes, lake organizations, and management groups (*cross-scale linkages*) could shape changes in the lake.