Overview of Structured Decision Making

Description
This self-paced course for an Overview of Structured Decision Making (SDM) is designed to offer natural resource managers a rational framework and techniques to assist in making higher quality decisions.

You will learn the PrOACT process, a helpful roadmap to evaluate ideas, adjust criteria to suit your individual situation, and apply systematic thinking to reach decisions with clear goals.

You will explore the benefits of thinking in terms of probability when making decisions in natural resource management and demonstrate how the different elements of risk assessment can be brought together to achieve smart decision making.

Course Objectives
- Articulate the relevance and benefit of using a formal, transparent decision making process instead of a descriptive decision making process
- Define the elements in PrOACT: Process, Objectives, Actions, Consequences, Trade-Offs and optimization
- Use the PrOACT process and step through a multi-objective natural resource problem
- Formulate objectives and weight them appropriately
- Critically evaluate alternatives, consequences, and trade-offs to a natural resource situation
- Identify the risks and prioritize reduction measures based on a strategy
- Use adaptive management techniques to help reduce uncertainty in your management plans

Target Audience
Managers or Project Leaders. Anyone who has decision making authority either individually or as part of a team.

Topics
Introduction to Structured Decision Making
Module A - Why Structured Decision Making
Module B - Problem Definition
Module C - Determining Objectives
Module D - Developing Alternatives
Module E - Consequences
Module F - Psychology of Decision Making
Module G - Trade-Offs: Optimization and Analytical Method
Module H - Making Decisions with Multiple Objectives
Module I - Making Decisions Under Risk
Module J - Uncertainty, Monitoring and Adaptive Management