

Structured Decision Making

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February 2024



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Recap

- Board discussed the AMP process, flow of information to the Board, and Board decision making
- SDM was presented as a potential decision-making model that can be integrated in the existing process
- Board members wanted to know SDM details with examples
- Subject matter expert presentation/workshop on SDM

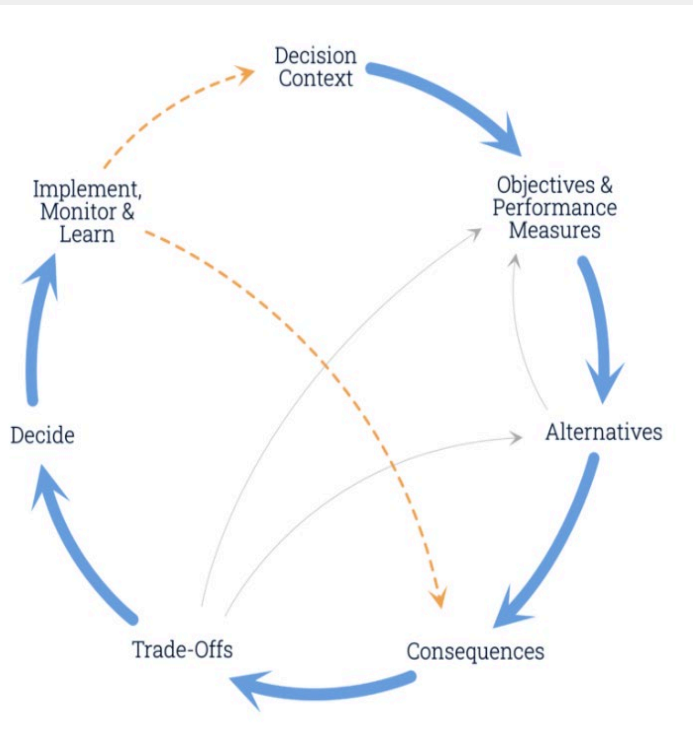


SDM Brief Overview

- A version of multi-criteria decision analysis model best suited for multi-attribute problems
- A formal study of decision alternatives, trade-offs and consequences - explicitly evaluates all
- Hailed as best suited for when:
 - There is a group or a panel deciding
 - There is a desire to explore a problem transparently and accountably
 - A decision framework is needed that can be updated regularly
 - Face to face contact helps build relationship
 - Does take time but helps with understanding of complex issues
 - Values and facts
- A seven step iterative process



SDM: Seven Steps



1. Define the Decision Context
2. Objectives and Performance Measures
3. Develop Alternatives
4. Estimate Consequences
5. Evaluate Trade-offs
6. Decide
7. Implement, Monitor and Learn



SDM Consequences Table

Objective	Unit	Status Quo	Alternative 1	Alternative 2	Alternative 3
Caribou Population					
Abundance (short term)	# of animals	200	230	210	250
Abundance (long term)	# of animals	200	300	275	330
Distribution	# of herds	3	3	4	4
Self-sufficiency	1 – 5 scale	2	2	2	3
Environmental					
Biodiversity	1 – 5 Scale	3	3	3	3
Sustainable Harvest					
Animals harvested	# of animals	0	20	8	25
Recreation					
Accessible Area	Km2	5,000	5,000	3,000	3,000
Economy					
Cost to Government	\$M / year	1	1	2.5	4
Cost to Industry	\$M / year	0	0	6	6
Benefit – GDP	\$M / year	0	0	-5	-5
Benefit – Jobs	# / year	0	10	-150	-90

Legend

Performs Best
Performs Worst

- Consequences table summarizes expected performance of each alternatives
 - Creates a shared understanding (known and unknowns); and exposes key trade-offs across objectives
 - Separates technical judgements (estimates) and value judgements on the selection of preferred alternative
- Source: Compass Resources

Next Steps: SDM Workshop

- Two-day SDM workshop: April 9-10, in-person.
- Expert facilitators: Sarah Converse & Alex McInturff with Washington Cooperative Fish and Wildlife Research Unit at University of Washington

TFW Policy is developing a model for the program

- Board can adopt the same, adopt one node of it, or expect to receive SDM process output for decisions

End of Report