Sustainable Forest Management: From Concept to Practice in Two Canadian Model Forests

R. Keith Jones
McGregor Model Forest
David Andison
Foothills Model Forest





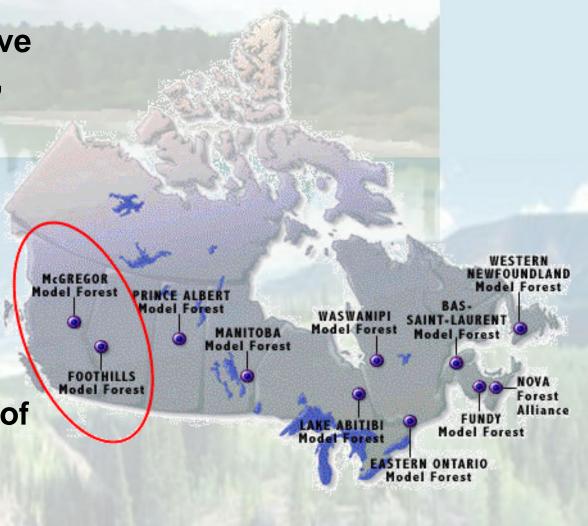


Canadian Model Forest Program

 Unique and creative mixture of people, knowledge, tools and processes

 Contributed individually

Common:
 ecological
 knowledge base
 and development of
 new management
 strategies and
 practices



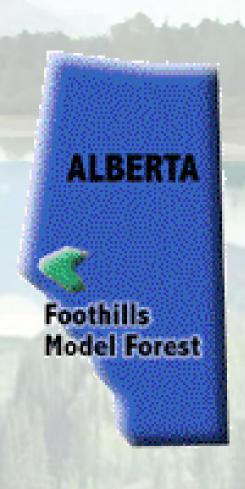
McGregor Model Forest

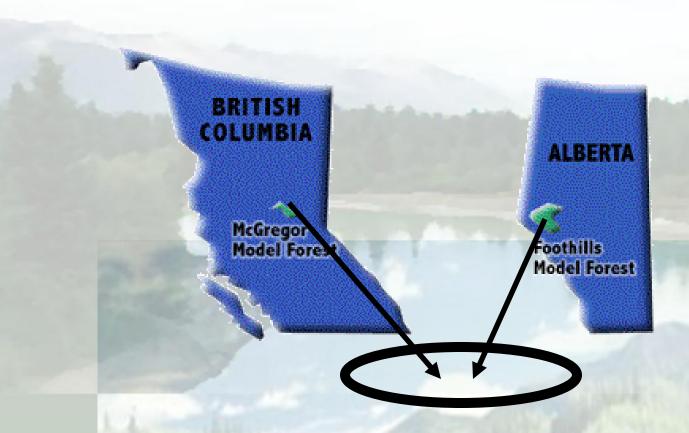
- Central BritishColumbia
- The McGregor
 Approach to
 Sustainable Forest
 Management
- Five integrated sustainable forest management tools



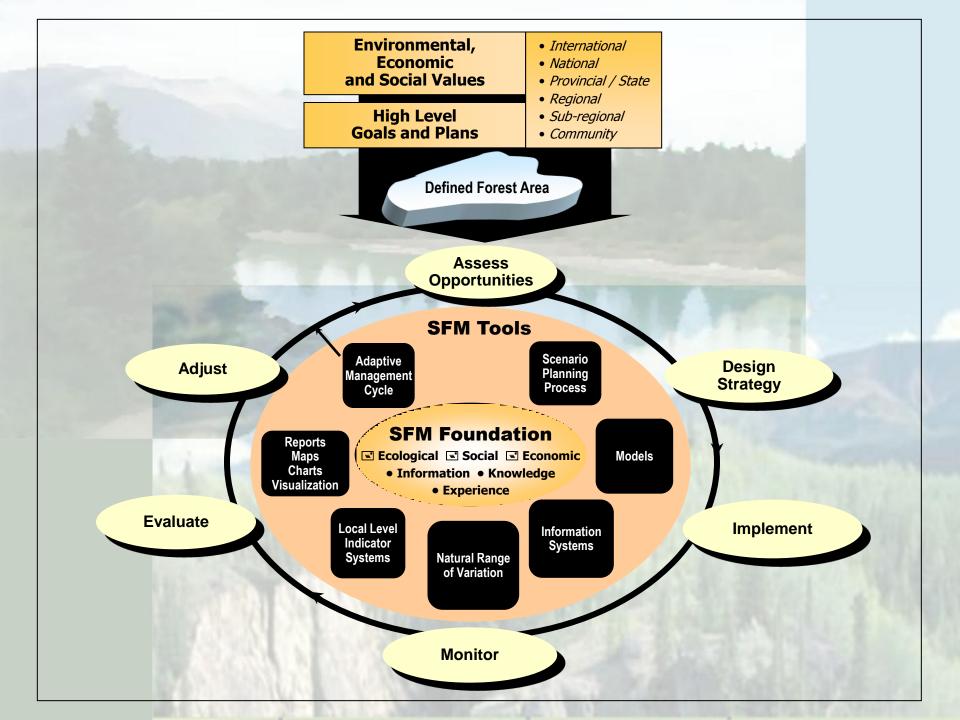
FoothillsModel Forest

- West-CentralAlberta
- Different and complementarySFM challenges
- ComprehensiveNaturalDisturbanceProgram





Opportunity to integrate the sustainable forest management approaches developed by each model forest



McGregor Approach to Sustainable Forest Management

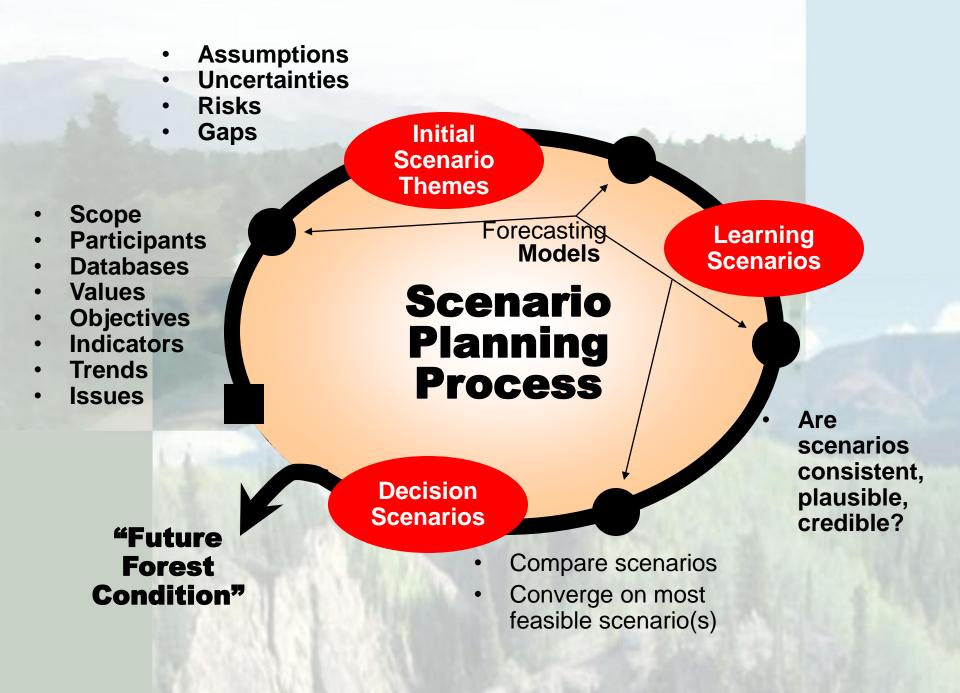
BRITISH COLUMBIA

> McGregor Model Forest

- ScenarioPlanning
- Models
- Visualisation

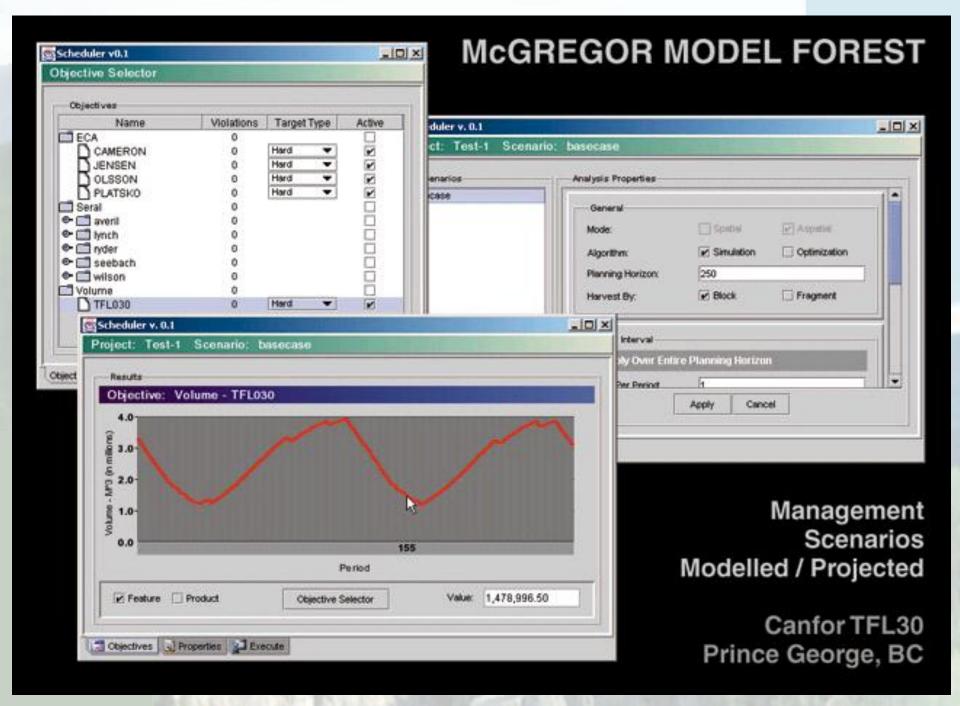
Scenario Planning

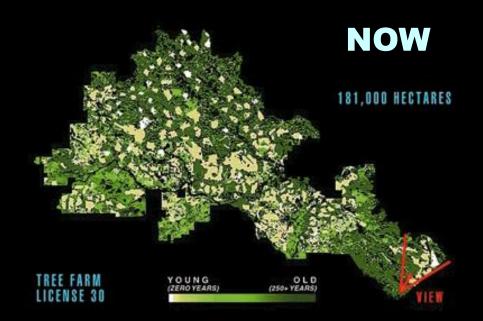
- Disciplined method for imagining possible futures
- Series of narratives
- Benefits of varied perspectives of participants
- Multiple factors, shared human experience



Models

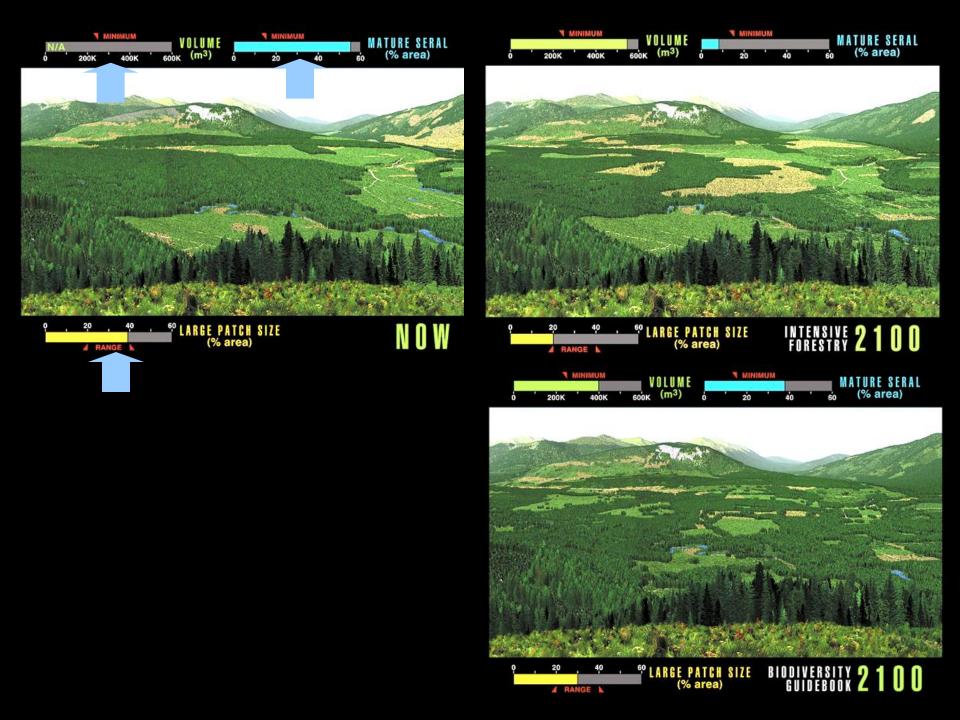
- Support scenario planning process
- Feasibility, ability to achieve desired outcomes
- Comprehensive GIS databases
- Spatially and temporally explicit forecasting models
- Treatment and scheduling models
- Up to 6 million ha











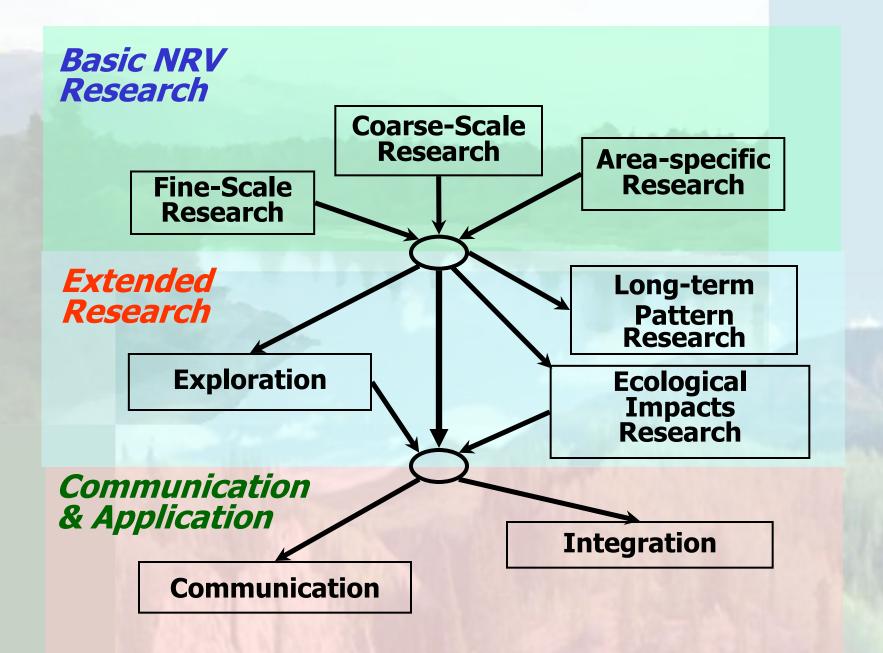
Foothills Model Forest Natural Disturbance Program

ALBERTA
Foothills
Model Forest

- Natural disturbance an ecological process to guide management
- Fine filter (species) approach limitations
- Landscape dynamics over time and space – Coarse filter approach
- Understand then, manage for the natural range of variation
- Management can approximate this

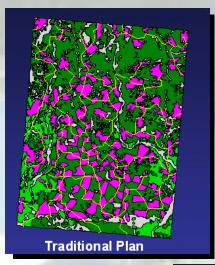






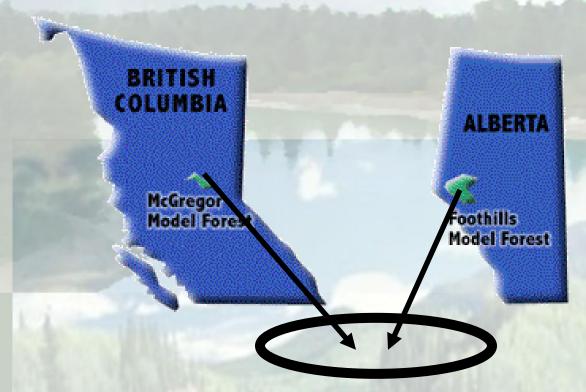
Natural Disturbance Program

- Defendable, quantifiable foundation of knowledge
- Demonstrate how integral disturbance is to forests
- Objective measurable foundation for building SFM scenarios
- Ideally suited to defining indicators and targets

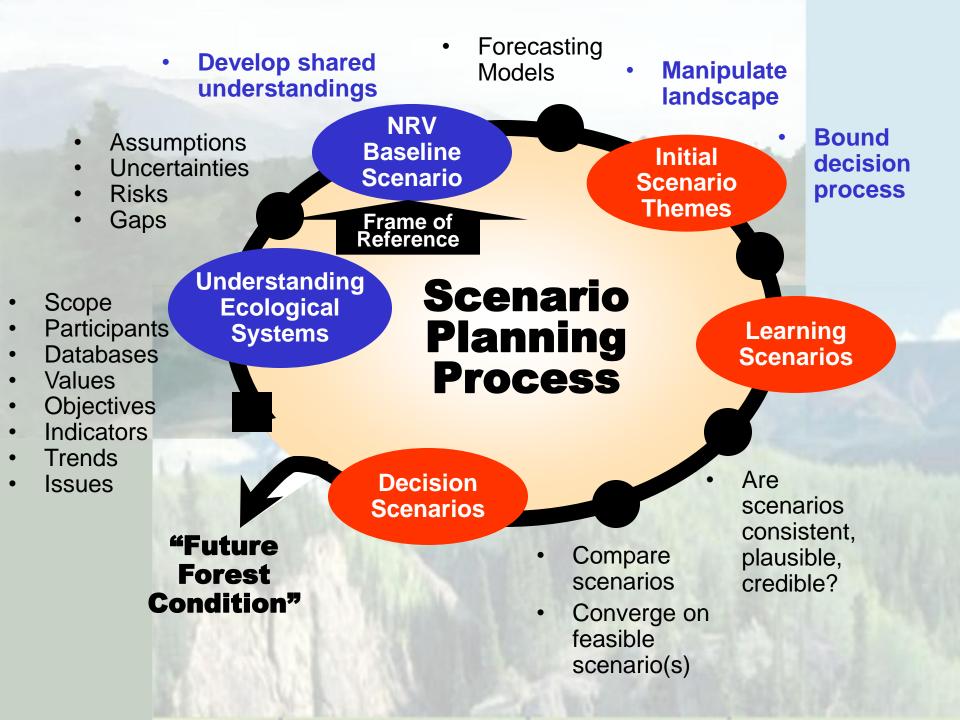




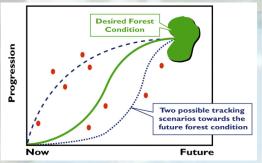
Integration of Approaches

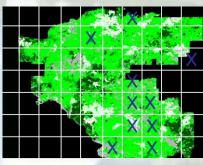


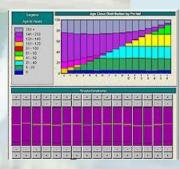
Opportunity to integrate the sustainable forest management approaches developed by each model forest



Conclusions

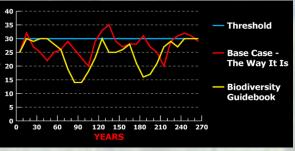












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- Alberta Sustainable Resource Development
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