# Future Forest Ecosystems Scientific Council

# Climate Change Adaptation Research Program

Evelyn Hamilton

FFESC representative

BC Ministry of Forests and Range, Research Branch

# Outline

- Future  Forest Ecosystems Initiative (FFEI)
- Future Forest Ecosystems Scientific Council (FFESC)
- Climate Change Adaptation Research Program
- Questions?

# Future Forest Ecosystems Initiative (FFEI)

- **Purpose:**
  - adapt BC's forest & range management framework to a changing climate
- **Desired outcomes:**
  - Resilient ecosystems
  - Ongoing flow of ecosystem goods & services
- **Delivery goals:**
  - Operationalize ecological resilience approaches
  - Build knowledge base
  - Adapt management framework

# FFEI Accomplishments

- 3 year strategic plan developed
- Infrastructure (programs, inter-disciplinary teams)
- Partnerships - FIA-FSP, FFESC
- Scientific foundation papers
- Groundwork in key areas (next slide)

# FFEI Status

**Groundwork:**

- Models – climate, ecosystem changes
- Monitoring indictators
- Provincial vulnerability assessment (biophysical)
- Various research projects
- Interim policies (e.g., seed transfer, species selection)

# Future Forest Ecosystems Scientific Council (FFESC)

- **Purpose:**
  - Support research that will inform adaptation of B.C.'s forest & range management framework
- **Council:**
  - UBC (Dr. Jack Sadler, Dean of Forestry; Dr. Cindy Prescott, Associate Dean of Forestry)
  - UNBC (Dr. Bill McGill, Dean of College of Science & Management; Dr. Kathy Lewis, Chair, Ecosystem Science & Management Program)
  - MFR (Jim Snetsinger, Chief Forester; Gerry Still, Chair; Tom Niemann; Evelyn Hamilton)
  - FFESC Secretariat (Wendy Johnston, UBC; Sybille Haeussler, UNBC; Kristine Weese, MFR; w/assistance from Vis-à-vis Consulting (Alison Nicholson) and FORREX

# FFESC Research Program

- $4 million over 2 years (now – Dec 2011)
- Research scope:
  - ✓Impact assessments (biophysical, ecological)
  - ✓Vulnerability assessments (social, economic)
  - ✓Adaptation strategies (actions to reduce vulnerability)
  - ✓Integration (monitoring/adjusting response)

# FFESC Guiding Principles

- ✓ Interdisciplinary approach:
  - Teams should be inter-disciplinary
  - Projects should address cross-disciplinary, cross-scale challenges
- ✓ Scientist – practitioner partnerships:
  - Teams should work with clients (policy makers, practitioners, community stakeholders)
- ✓ Research scope:
  - Projects must address relevant research topics/needs

# Questions ?