## Lecture 12 – Forests

- 1. Forest Management Practices In Canada
- 2. Forest Fires
- 3. Forests and Endangered Species
- 4. Forestry and Climate Change

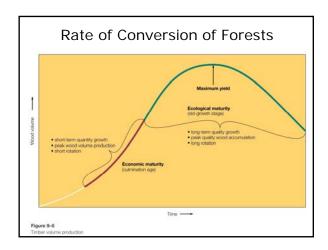
# **Key Concepts**

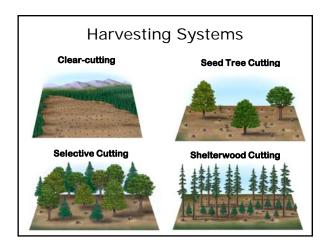
- Who manages Canada's forests
- Rates of forest conversions
- Harvesting systems, the impacts of clearcutting, reforestation; trends
- Trends in use of biocides
- Forest fires and the impacts of the mountain pine beetle
- Forests and species at risk
- Climate Change and the role of Forests

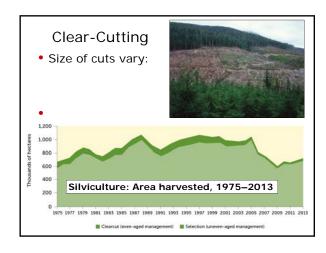
### 1. Forest Management Practices In Canada

- Provinces responsible for:
- Federal and territories:
- Private landowners:

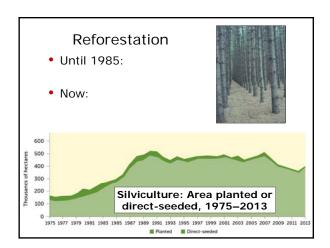


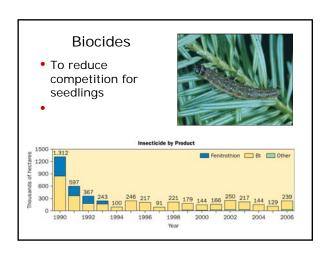












#### 2. Forest Fires

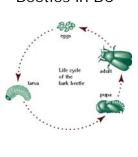
• Suppression in firedominated systems has resulted in:







## Mountain Pine Beetles in BC







# Mountain Pine Beetles in BC (2)





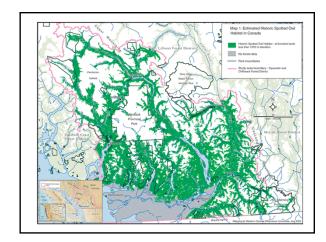


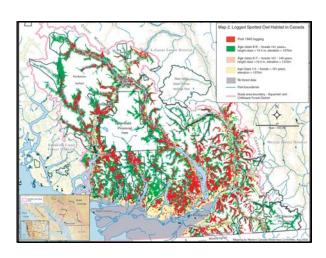


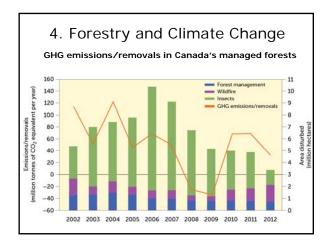
• C	rests and Endangered Species of species considered at risk in anada:	
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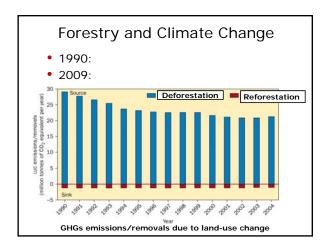












#### Conclusion

- Canada's forests are now changing mostly as a result of human management, rather because of natural processes
- The techniques used to preserve the timber value of these forests, and the methods to harvest them have profound environmental impacts
- They have also several unintended impacts such as increasing the potential for wildfires, and endangering rare species

# TO DO!

- 1. Next lecture: Minerals and Energy
- 2. Listen to Podcasts: Minerals and Energy Units 1 to 3
- 3. Tutorials **this week:** Debates week #1; bring the "Debate Evaluation Form"