# CP vs FP Paper outline

## 3 main messages

1. The effect of forest on landslides might be underestimated
2. climate change isn’t the only factor that leads to landslides
3. The need to apply probabilistic approach in forest management and landslide studies (knowledge gap)

# Outline

1 Introduction

* can slightly mention Cariboo?

2 Role of Forest in slope stability

* cohesion
* pore pressure
  + ET

3 Past studies on forest harvesting and landslide frequencies

* determinism
  + lack of temporal analysis
  + small scale
  + calculate frequency density of landslides happening in the watershed (number of landslides/ area) then compare pre- and post-harvest
    - doesn’t tease out how landslide frequencies change with time
    - example from Jakob 2000:

A table with numbers and text

AI-generated content may be incorrect.

* examples:
  + (Johnson et al., 2007)
  + (Guthrie, 2002)
  + (Jakob, 2000)
  + (Imaizumi et al., 2008)

4 Attribution science in landslides

* causal framework
* the need to develop regional analysis
  + soil fatigue/ threshold behavior
  + citation
    - (Wood et al., 2015)
    - “While most research tends to centre on basin scale landsliding, focusing on modelling and understanding the mechanisms and precursors that lead to landslide initiation, understanding the relationship between landsliding and climate change is a regional-scale problem which needs to be assessed at this level through regional-scale studies.” (Wood et al., 2015)
* past examples: landslide frequencies under climate change
* landslide pdf methods (still learning)
  + [Landslide inventories and their statistical properties](zotero://note/u/UJ8MMI6R/) (Malamud et al., 2004)

# Questions

1. Do the three messages align with your vision?
2. Do we need to talk about Cariboo? How much do we talk about it?
3. Should we mention groundwater? Maybe in the scope of analysis part or under role of forest part?

# To research

* Attribution science
* Modern causal inference
* Soil fatigue/ threshold behavior

# Currently working on

* Familiarize with the landslide pdf method
* Find more papers that implement this method and see if they’re taking the stochastic approach

# Goals for next week

* Summarize the RS reports that I already have
* Continue with landslide papers
* Organize useful papers from undergrad thesis for 1st and 2nd section

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