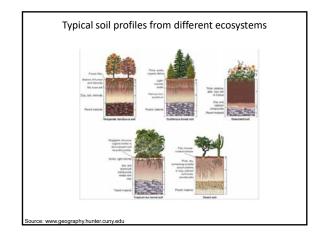


## 

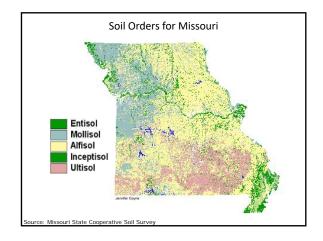
## Biotic components that may impact landscape pattern Species interactions Mutualism (++), Commensalism (+0), Predation, Herbivory, Parasitism (+-), Amensalism (0-), Competition (--)

Soil formation factors

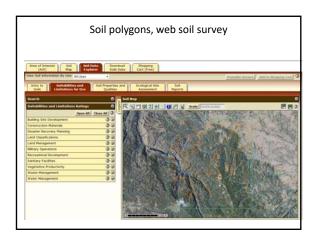
Soil = f(parent material, topography, organisms, climate and time)

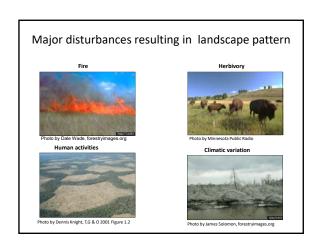


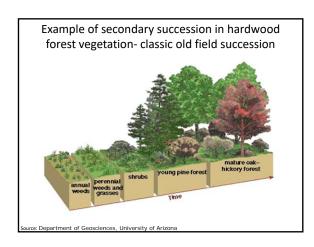


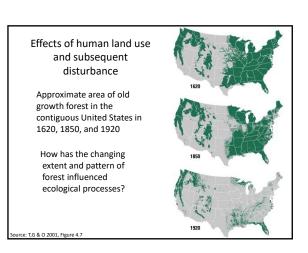


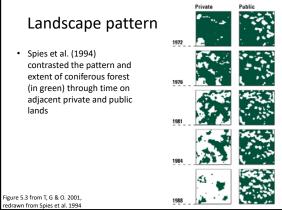


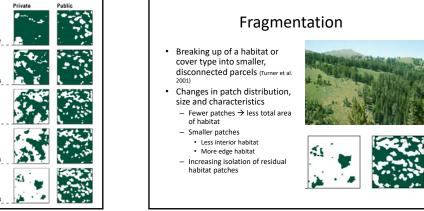


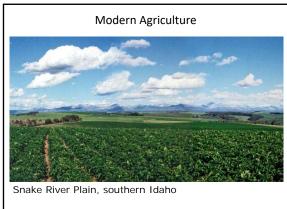


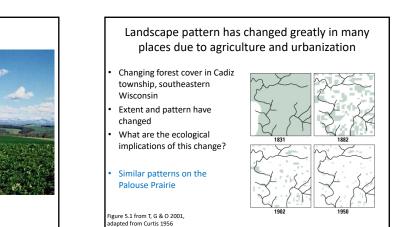


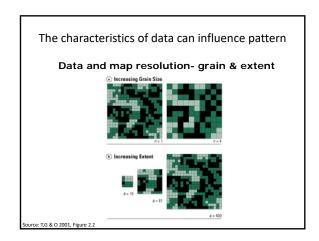


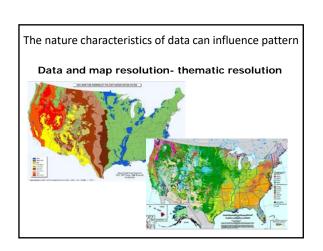


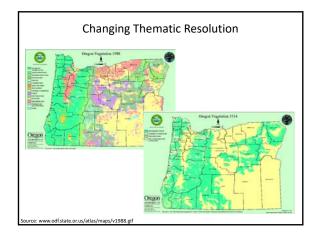












## What are the limitations to increasing thematic resolution?

- Increased data requirements
- Increased computational time
- Decreased map accuracy
- The important variables may actually be masked by more classes

## **Summary points**

- Pattern may be caused by both abiotic and biotic factors
- These factors' influences may be nearly static (e.g. topography) or dynamic (e.g. disturbance)
- Some factors are a combination of abiotic (e.g. climate) and biotic factors (e.g. herbivory)
- Humans play an increasing role in the pattern of landscapes
- The nature of our data may result in different patterns