

6. Attributing causes of regional climate change

6c. Land use and resource management

- Rephrase chapter title to *land cover* – includes *land use* and *vegetation dynamics* both of which exert feedbacks to regional climate
- Review historical land cover changes
 - Studies showing that past climate variations have been influenced by land cover changes provide "evidence" of the existence of feedbacks
- Is it likely that current land cover trends will continue or change in the future?
 - Depends on what decisions are made in agriculture/forestry sectors i.e. resource management
 - Review future land cover change scenarios

- Which feedbacks are associated with presumed future changes in land cover trends?
 - Review biophysical feedbacks (regional in character), e.g. albedo and hydrological cycle feedbacks
 - Review biogeochemical feedbacks (however often discussed in a global context) – may be regionally relevant in terms of carbon sources/sinks
- What else can be included in resource management?
 - water resource management?