

Questions

- What are the combined biogeochemical and biogeophysical effects of land-use change on Earth System dynamics (past-future)?
- How can data from multiple time periods, sources, quantities etc. best be combined into a common coherent product to satisfy community modeling needs?
- *How can future needs for food, fuel, and fiber, be met while minimizing negative effects of land-use changes?*
- *What are the feedbacks between climate change and future land-use change?*

To do for CMIP6

1. Repeat and mature the LUH process (more data, more terms, increased resolution, longer period, better communication)
2. Work to standardize products, and usage of products
3. Focus: links between LU change, LC change, C fluxes, Biophys.
4. New emphasis: LU management, policy relevance, uncertainty
5. New scenarios, esp. with added normative considerations
6. Expand RCP-RF definition to include biophysical
7. Joint harmonization of LU emissions and LU changes
8. Jointly study ESMs, IAMs, and IAVs to define effective data requirements (resolution, precision, etc)
9. Prepare for coupled human-physical models
10. Consider LUMiP