

Expected results:

1) Land cover scenarios

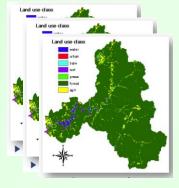


Fig 2: Land cover of Soyang watershed

Cross-cutting Issues:

- How sophisticated must models be? 1.
- Linkage between ecological and socio-economic models? 2.
- 3. Which policy, climate and market scenarios?
- 4. Optimization of ecosystem services?

Ecosystem services trade-offs and synergies



Fig 3: Negative (red) and postive (blue) correlations between pairs of ecosystem services (from Raudsepp-Hearne et al. 2010)

3) Optimization of land use



reduce conflicts and inefficiencies

References:

Foley et al. (2005): Global consequences of land use. Science 309: 570-4

Raudsepp-Hearne, C., Peterson, G., & Bennett, E. (2010). Ecosystem service bundles for analyzing tradeoffs in diverse landscapes. Proceedings of the National Academy of Sciences, 107(11), 5242-5247.