

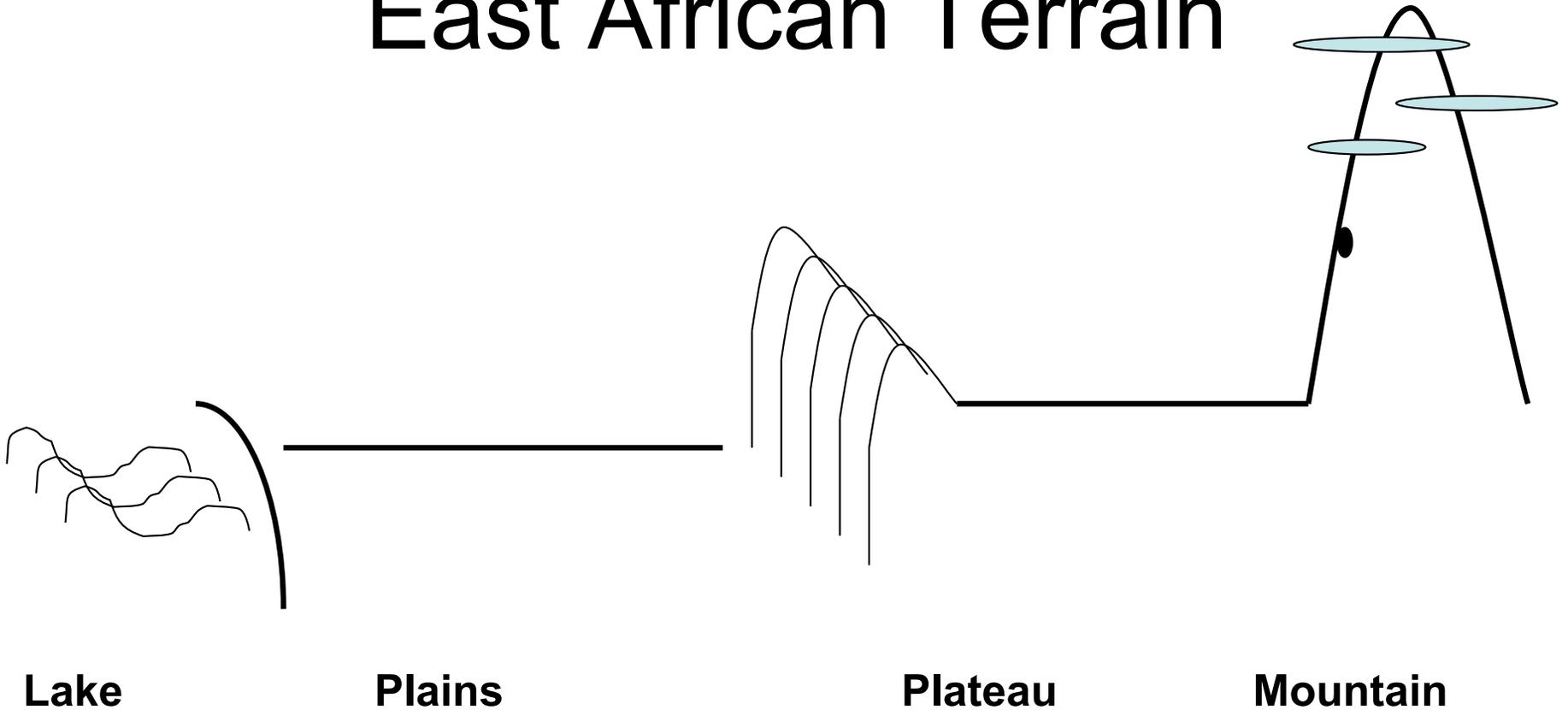
Africa, Agriculture, Adaptation

Snowmass 2011

Structure

- Fixed (in short run)
 - Poverty – therefore sectoral composition
 - Terrain
- “Shocks” (exogenous changes)
- Responses
 - Populations
 - Governments
- Institutions: A natural experiment. Study this!

East African Terrain



Farming

- Arable
 - Location
 - Moisture and soils
- Change: Population increase
 - yields movement to the extensive margin
- Forms of insurance
 - Property rights
 - Risk/return trade-off

Pastoralism

- Location
 - Moisture regime
- Property
 - Cattle
 - Land options

Response to Shocks

- Arable
 - Cattle/charcoal/labor
 - Impact on non-agricultural sector
- Pastoralists
 - Default on contracts
 - Conflict

Prognostication and Mitigation

- Underdevelopment and conflict
- Mitigation
 - Government spending and markets
 - Famine relief
- Longer term
 - Emigration
 - Foreign trade

Experiment

- Authoritarianism
 - Interest group politics
 - Urban bias
- Institutional reform
 - Electoral politics
 - Policy change
- Economic response

Study This