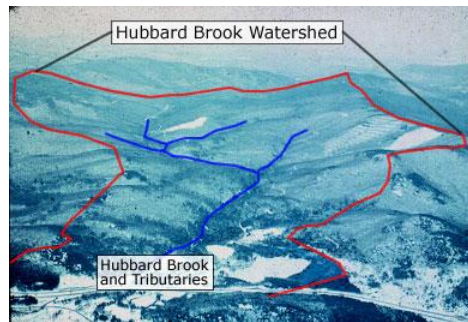
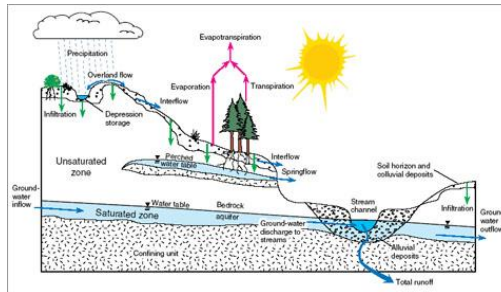
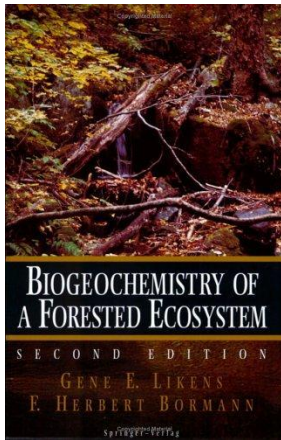
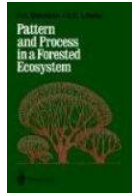


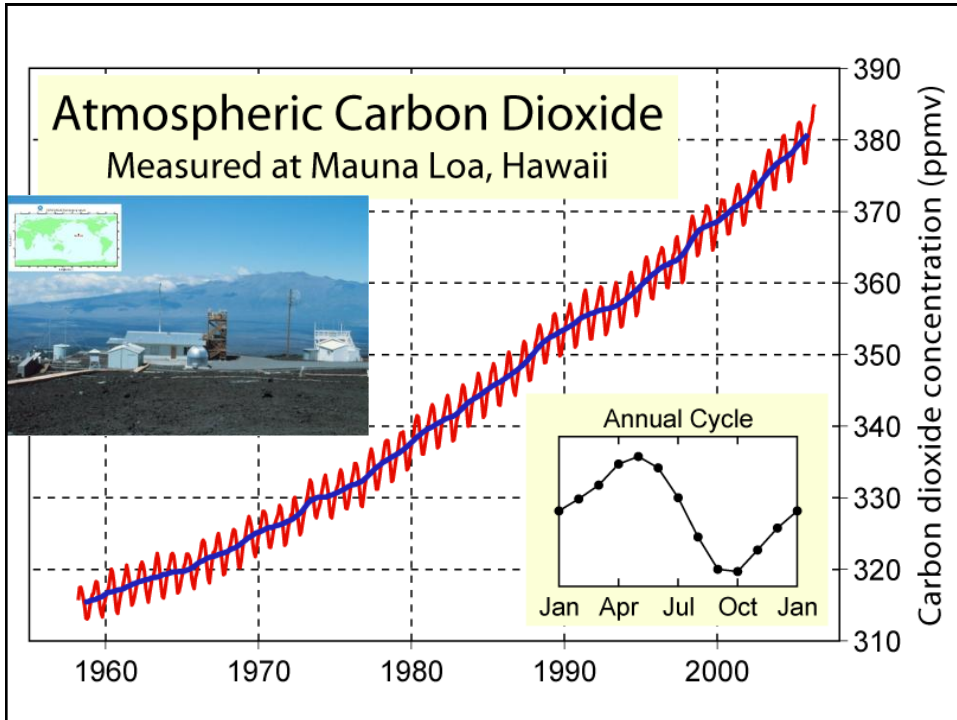


# LTER dan REDD: Perlukah?

Ani Mardiasuti

LTER





The US  
**Long Term Ecological Research**  
Network

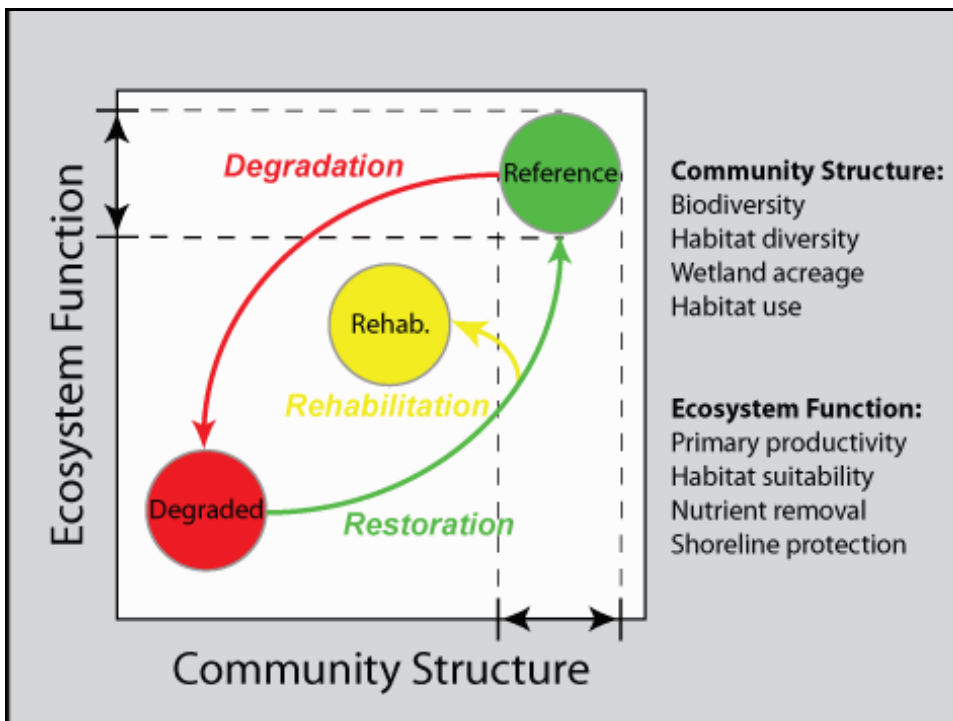
**LTER**  
europe

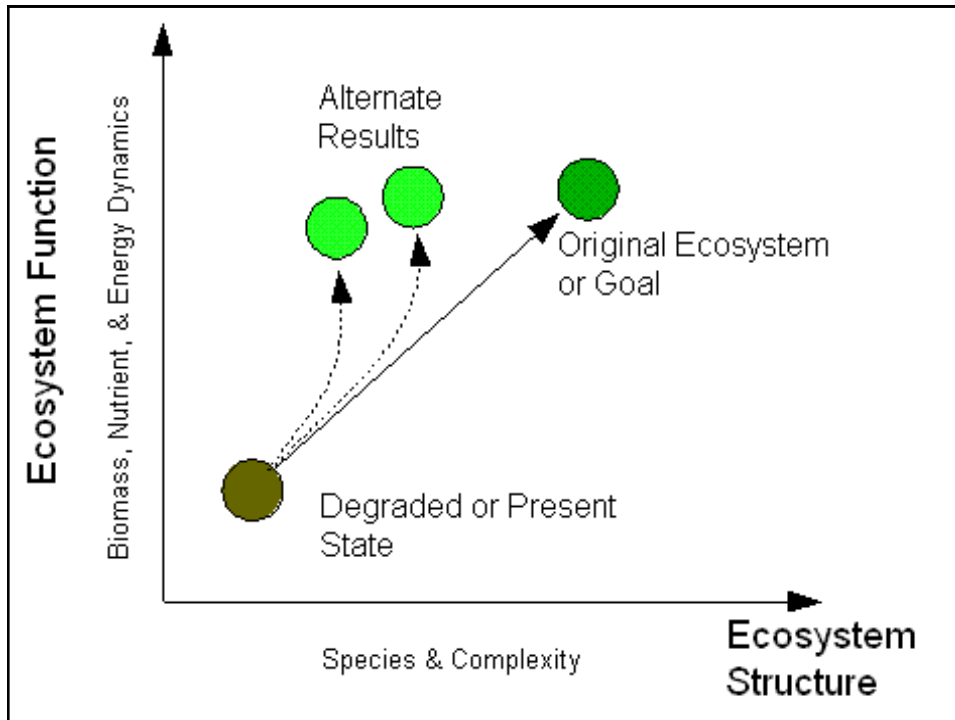
**ILTER**

## US LTER: Core Research Areas

26 field sites

1. Primary production
2. Population studies
3. Movement of organic matter
4. Movement of inorganic matter
5. Disturbance patterns





## From LTER to LTSER

- LTER: to better understand ecosystems
- Structure, functions, and response to environmental, societal and economic drivers; development of management options
- LTER: natural sciences → human dimension → Long Term Socio-Economic and Ecological research (LTSER)

## REDD: Long Term Research

- Biomass
- Productivity
- Ecosystem/community response:
  - resilience ('speed')
  - resistance ('avoid')
  - stability ('return')
- Succession
- Nutrient and water cycle
- Abiotic factors
- Human dimension
- NCAS

## REDD

- Current system: **reducing** → new plantation
- Target ID: **avoiding** deforestation and degradation
  - National Park system
  - Permanent standing stock
  - Incentive for local people

**REDD**  
Reducing Emissions from Deforestation and Forest Degradation



- Existing vision, objectives, target, methods
- Indicators: species, ecosystem, biotic/abiotic condition, socio-economic indicator, policy indicator
- Structure of metadata
- Research for other purposes
- LTER for REDD
- LTER Network? ILTER?