

# Relationships

GTOS – International Observing Systems

GOFC

CEOS and other IGOS partners (FAO/UNEP/IGBP)

NASA

- ESE Science / Applications (Operational R and D) and Education / Data and Info Services

(national push for societal relevance to our global change research)

LCLUC – process and prediction studies / data sets / methods R and D

# Program Goals

**LCLUC will use NASA remote sensing technology to improve our understanding of human interaction with the environment, and thus provide a foundation for sustainable use and management of our natural resources.**

**The goal of the ESE LCLUC Program is to further the understanding of the consequences of land-cover and land-use change for continued provision of ecological goods and services.**

**The ultimate objective of the LCLUC program is to develop the capability to perform repeated global inventories of land-cover from space, and to develop the scientific understanding and models necessary to simulate the processes taking place, and evaluate the consequences of observed and predicted changes.**

# Program Direction

- Drivers of LCLUC – process/case studies
- Impacts of LCLUC on biogeochem-carbon et al., water, .....
- Prediction
  - of LCLUC and associated impacts
  - of impacts of climate change on LCLUC
- Develop improved methods – models and analysis techniques
- Apply and secure the necessary NASA and IGOS observations
  - Systematic – high resolution/moderate resolution
  - Experimental
- Transition methods and findings to operational applications – societal relevance
- Longer term goals: underpinning science of sustainability - vulnerability

# Project Scientist Activities

- LCLUC WEB Site
  - Your abstracts
  - Bibliography – your publications and papers that should be read
  - Your own project Web Site
- LCLUC Brochure
  - Program objectives and LCLUC significant results
- LCLUC Book '01 promote and explain the science agenda
  - Case study results papers – drivers/impacts/ prediction
  - Review papers
  - Preliminary synthesis papers
  - Kluwer Press, Holland ?
- USGCRP – the 10 year agenda
  - (interagency group)
  - Developing a science community research agenda

# Project Scientist Activities

- **Advocacy Landsat Follow-on / NPP /DMSP / Recovery**
- **Next Meeting ? – GOF C (topical/regional) meetings / carbon meetings /**
- **Upcoming NRA – help with reviews**
- **Follow-up on Proposed Workshops**
  - **China GOF C ( LCLUC support – international participation )**
  - **GOF C Fire Workshop ‘01 Validation Focus**
- **Proposed Data enhancements**
  - **WGISS Test Bed – information service (multi-satellite fire demo)**
  - **TRFIC server in Russia**