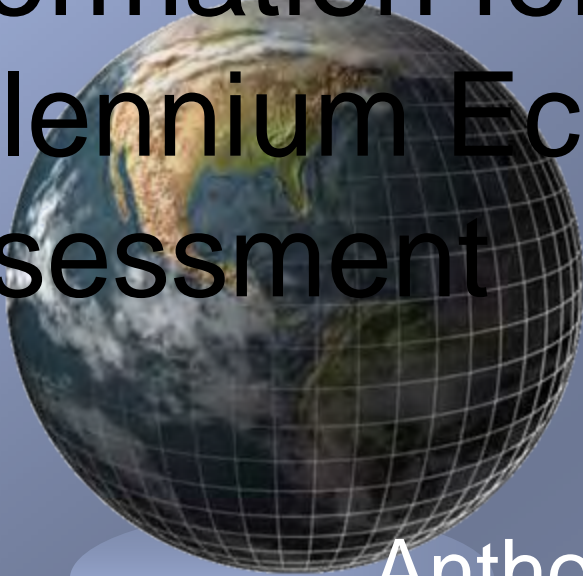


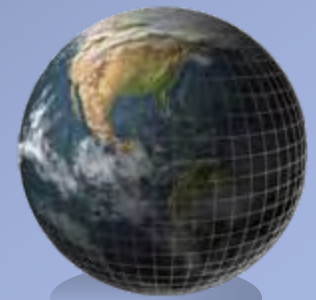
A Synthesis of Rapid Land-Cover Change Information for the Millennium Ecosystem Assessment



Anthony C. Janetos
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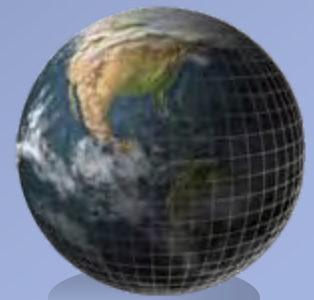
Rapid Land-Cover Change

- Millennium Ecosystem Assessment identified need for synthesis in Capetown planning meeting in Oct. 2001
- Collaborative effort among MA, IGBP/IHDP, GOFC/GOLD, NASA



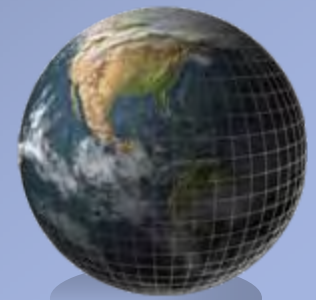
Rapid Land-Cover Change

- Realization that much information exists from remote sensing
- But remote sensing cannot be the only data and information source
- Focus on the last 2-3 decades of change



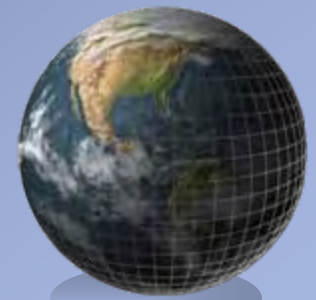
Rapid Land-Cover Change

- Took global data sets to begin and overlaid them in GIS
- Analysis and maps show where top % of total no. of pixels exceeded some reasonable threshold
- Looked at several different issues



Rapid Land-Cover Change

- Workshop participants received maps and analysis ahead of time
- Used workshop time to discuss methodology and review results
- Participants suggested a number of changes in data sets used, incorporation of regional results and knowledge



Rapid Land-Cover Change

- Forest data seem reasonable for the most part for humid tropical forest; scattered for other areas
- Global fire frequency data are a problem, especially at high latitudes
- Several errors of omission
- Desertification/land degradation could not be addressed with any confidence

