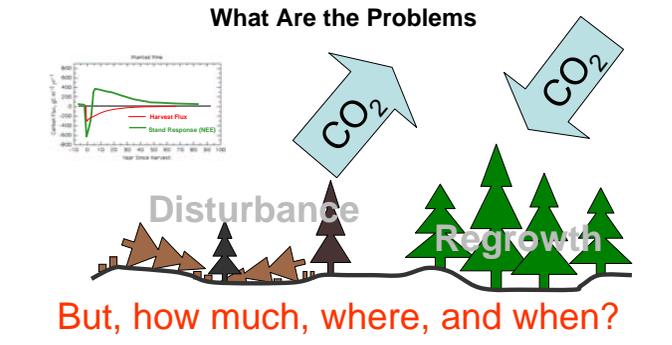


# North American Forest Disturbance and Regrowth Since 1972

Empirical Assessment with Field Measurements and Satellite Remotely Sensed Observations.  
 In Support of the Interagency North American Carbon Program (NACP) and NASA Carbon Management Program

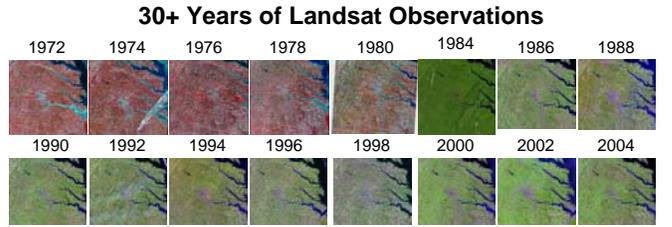
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### Research Objectives

The primary NACP goal is to define contemporary trends in the carbon balance of the North American continent. This, in part, can be accomplished by documenting the recent history of forest disturbance and regrowth. We are combining analysis of US Forest Service field measurements and remotely sensed observations to achieve this goal. In this study we are evaluating:

- 30 + years of U.S. (& Canada) disturbance regimes
- Successional regrowth in the US (& Canada) within each disturbance regime
- Transfer of these monitoring protocols to operational use in the USFS Forest Inventory and Analysis (FIA) program



It often takes no more than 3 – 4 years before a major disturbance becomes obscured due to successional regrowth. In order to capture the major disturbances and establish the post-disturbance history, we propose to map disturbances on a bi-annual basis for selected scenes using the 30+ years of Landsat image archive.

