B. The specific objectives of BOREAS are:

1. to improve understanding of the biological and physical processes and states which govern the exchanges of carbon, water, trace gases, energy, and heat between boreal forest ecosystems and the atmosphere with particular reference to those processes and states that may be sensitive to global change;

2. to develop the use of remote sensing techniques to transfer understanding of the above processes from local scales to regional scales; and

3. to provide personal development, research, and educational opportunities for individual researchers sponsored by both Parties participating in BOREAS.

ARTICLE 3

PARTICIPATION

A. The Parties shall conduct BOREAS as part of the U.S. and Canadian Global Change Research Programs. The goals and objectives of BOREAS are compatible with and have been endorsed by the International Geosphere-Biosphere Programme (IGBP) and the International Satellite Land Surface Climatology Project (ISLSCP) of the World Climate Research Program (WCRP). Preliminary scientific planning has determined that BOREAS will be a joint U.S.-Canada initiative in which NASA will lead the U.S. participation in this study and will coordinate the involvement of the National Oceanic and Atmospheric Administration (NOAA), the Environmental Protection Agency (EPA), and the National Science Foundation (NSF). The Canada Centre for Remote Sensing (CCRS) of the Surveys, Mapping, and Remote Sensing Sector will act on behalf of EMR to implement the Canadian contributions to this study. CCRS has been designated to lead the Canadian participation in the study in cooperation with the Canadian BOREAS Coordinating Committee (CBCC). The CBCC will coordinate the involvement of Forestry Canada, Environment Canada, Agriculture Canada, the National Research Council of Canada (NRC), and the Natural Sciences and Engineering Research Council of Canada (NSERC).