
ACG031-06

Room: 301B

Time: May 28 10:11-10:30

Remote sensing of ecosystem changes in the arctic region

Keiji Kushida^{1*}

¹University of Toyama

Changes in boreal forests and tundra in the arctic regions are remarked in cooperation with temperature increase there. Especially, the change in the greenhouse-gas budget and the ecosystem changes caused by wildfire may be concerned with positive feedback effects to the warming. Interpretation of the changes of the arctic ecosystems in the geographically spread areas has been studied using earth observation satellite images, which were accumulated in the past thirty years. In this presentation, I review these studies and introduce our current studies. Most of all, I focused on vegetation changes in tundra and the evaluation of boreal forest fires.

Keywords: Remote sensing, arctic, ecosystem