

Over view of the UNIFORM project

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CO₂ emitted from forest fire/peat fire is approximate 8 billion ton per year. Extinction of a forest fire is one of the most effective activities for the reduction of CO₂ emission. We develop the satellite called the UNIFORM (UNiversity International FORmation Mission) that detect a forest fire by 10um micro bolometer camera at an early stage for contributing to digestive activities. This 50 kg class satellite realizes low cost, quick fabrication, and on-demand operation and we are planning the constellation operation of 3 satellites in this mission. We introduce the overview of the mission and specification of satellites in this presentation.