



Space-Based Measurement of Forest Properties for Carbon Cycle Research

Workshop

6 – 10 November 2017

Forests are crucial elements of the Earth system and one of Earth's most precious resource. Forests sustain a myriad of ecosystems that provide habitats for many flora and fauna, yielding rich resources for human development and providing an important sink in the global carbon cycle. In response to the need to monitor these ecosystems, ESA, NASA and DLR are developing the BIOMASS, GEDI, NISAR and Tandem-L missions. These missions will use innovative SAR and Lidar technologies to measure forest structure parameters (such as forest height and forest biomass) and their change with time on a global scale with much more precision than possible today. They are expected to be in orbit within the next five years, providing a unique and powerful combination of techniques to monitor Earth's forests.

Conveners

Anny Cazenave, International Space Science Institute, Bern, Switzerland
Ralph Dubayah, University of Maryland, Washington, USA
Teodolina Lopez, International Space Science Institute, Bern, Switzerland
Shaun Quegan, University of Sheffield, Sheffield, UK
Klaus Scipal, European Space Agency – ESTEC, Noordwijk, the Netherlands
Thuy le Toan, Centre d'Etudes Spatiales de la Biosphère, Toulouse, France



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