Using Airborne and Space Lasers to Measure Forests

Airborne lasers can be used to create maps of forest height, volume, biomass, and carbon across 100's of square kilometers. However, due to expense of the data collects, larger areas, e.g., states, provinces, continents, require that airborne and space lidars be employed as sampling tools to estimate forest biomass and carbon across large, remote areas where the acquisition of ground-based measurements might be difficult, expensive, or dangerous. This presentation will explore how these data are collected, processed, and integrated with ground measurements to assess forest resources worldwide.

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