



Presentation Overview

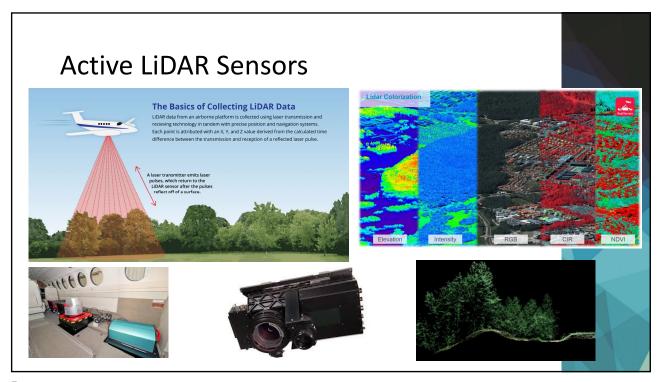
- Remote Sensing Basics
- What is LiDAR
- LiDAR Vegetation Metrics
- Multi and Hyperspectral imagery
- Vegetation Analytics
- Bringing the data together for meaningful analytics
- Questions and Discussions



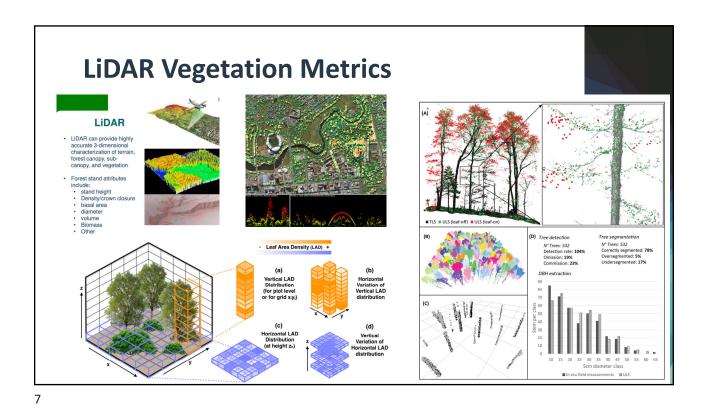
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What is LiDAR

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So what is remote sensing? INTRODUCTION TO REMOTE SENSING **Definition:** Remote sensing is an art and science of obtaining information about an object or feature without physically coming in contact with that object Active sensors emit energy in order to scan objects and areas whereupon a sensor then detects and measures the radiation that is reflected or backscattered from the target. RADAR and LiDAR are examples of active remote sensing where the time delay between emission and return is measured, establishing the location, speed and direction of an object. Passive sensors gather radiation that is emitted or reflected by the object or surrounding areas. Reflected sunlight is the most common source of radiation measured by passive sensors. Examples of passive remote sensors include film photography, infrared, charge-coupled devices, and

