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| **Applications for remote sensing in the voluntary forest carbon market** |
| Although the Voluntary Carbon Market (VCM) is still relatively small today, valued between $1 - $2B/year, the global compliance market scale is $850B or more. There is reason to be optimistic about the growth potential of the VCM as the number of corporations making emission-reduction and net-zero commitments continues to increase. With this growing demand for carbon credits, an influx of remote sensing solutions for carbon quantification have entered the market. When compared to ground-based inventory solutions, remote sensing could offer higher accuracy for carbon inventory which may support greater transparency, and ultimately, development of higher-quality forest carbon credits available. Because of this, it is vital that the remote sensing community understand the complexities of the forest carbon project development so that scientists can support the inclusion of remote sensing as a carbon quantification tool in forest carbon projects. This talk will provide an overview of the process of developing a high-quality forest carbon project, highlighting how remote sensing can play a role in forest carbon quantification. |