

Using multispectral and lidar remote sensing to measure carbon stocks of a beetle-killed forest

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Interactions between mountain pine beetle outbreaks and climate

1. Climate affects mountain pine beetle populations

2. Mountain pine beetle outbreaks affect climate

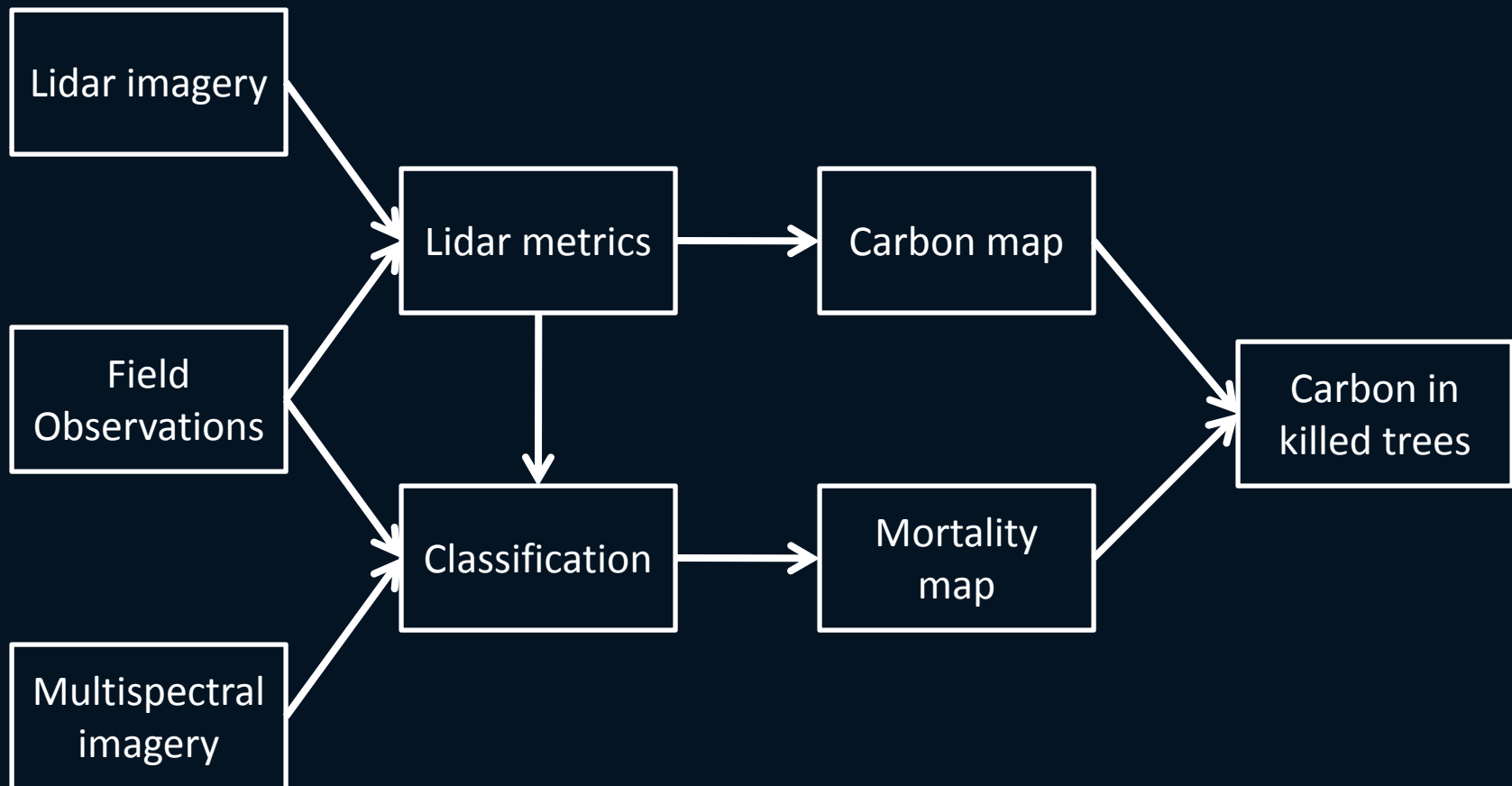
- Killed trees no longer photosynthesize and eventually decompose
- If severe enough, forests can act as carbon sources for many years (Kurz et al. 2008)



View beetle-killed trees near the Sawtooth Range in Idaho

Research Goal

- Quantify carbon contained in beetle-killed trees across a landscape in Idaho



Study Area

