



## Structural complexity: from the laser scanner to the forest inventory Nicolas Cattaneo 1, Luc Sirois 1, Mar

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For **ecosystem-based management**, it is important to assess the departures from "natural conditions" in managed stands...

Managed

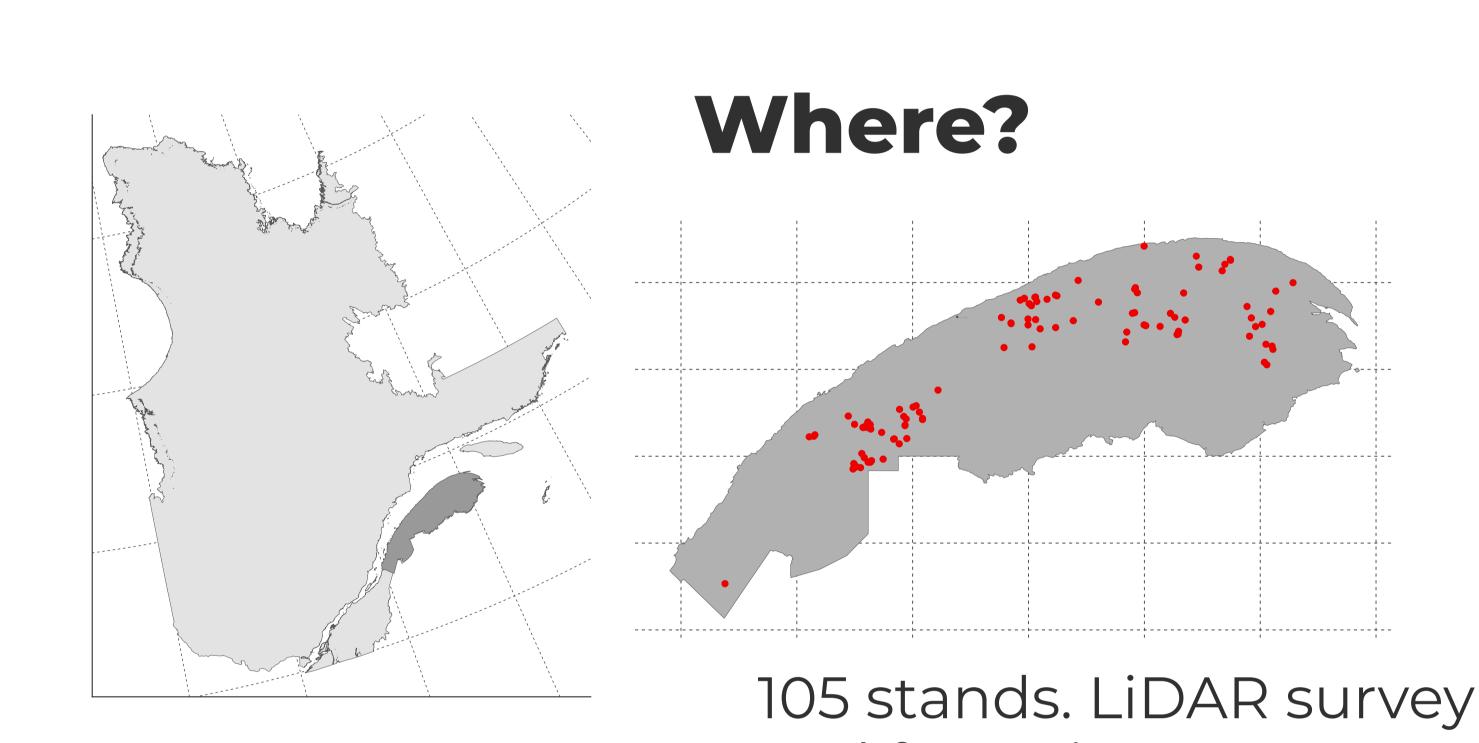
... by analyzing differences in

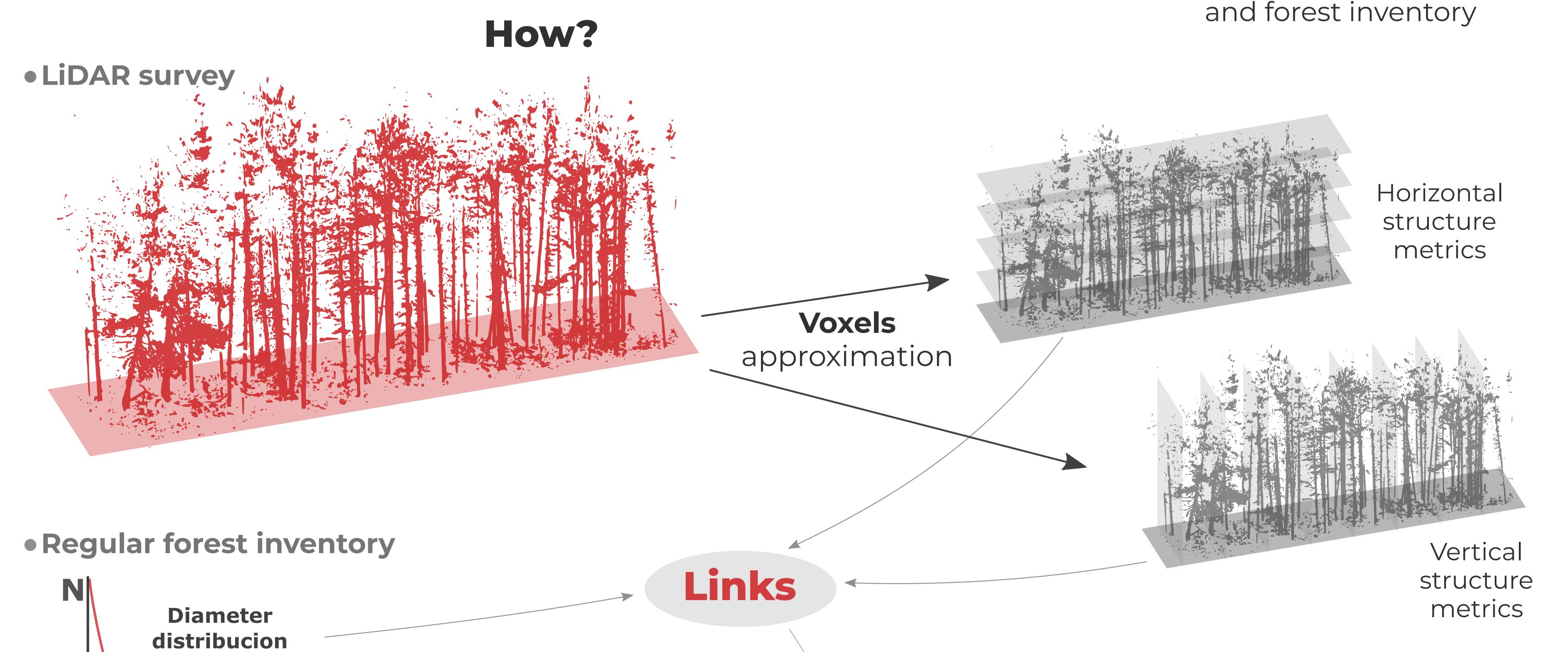
key attributes

(such as horizontal and vertical structure) with respect to **unmanaged stands** 

## Objetives

- Develop methods to directly **quantify structural variability** of natural balsam fir stands using terrestrial and drone LiDAR data.
- Model the links between diametral distribution, horizontal and vertical structure and dead wood.





What? The links between structural complexity metrics and the diametral distribution of live and dead trees will help to translate information from new technologies to the one obtained from traditionally collected data and define targets of structural complexity for managed stands.

dbh

(live and dead trees)