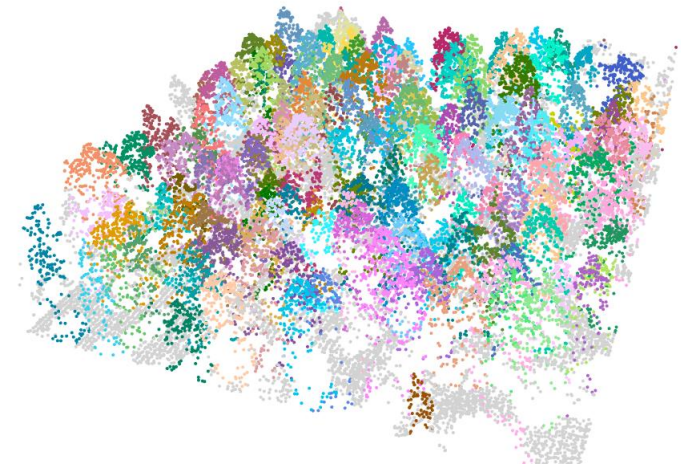
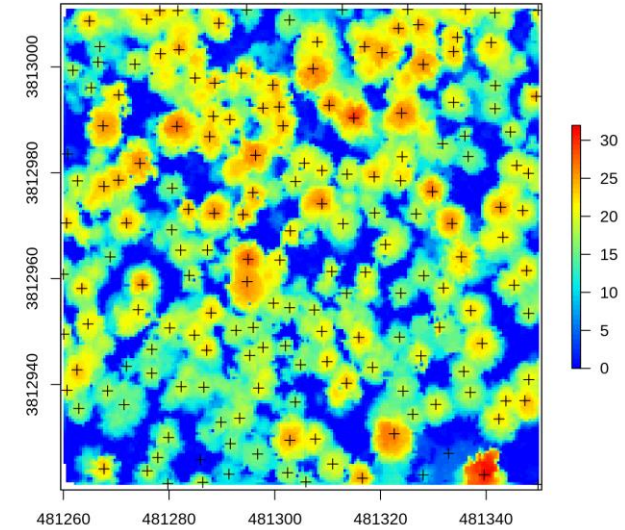
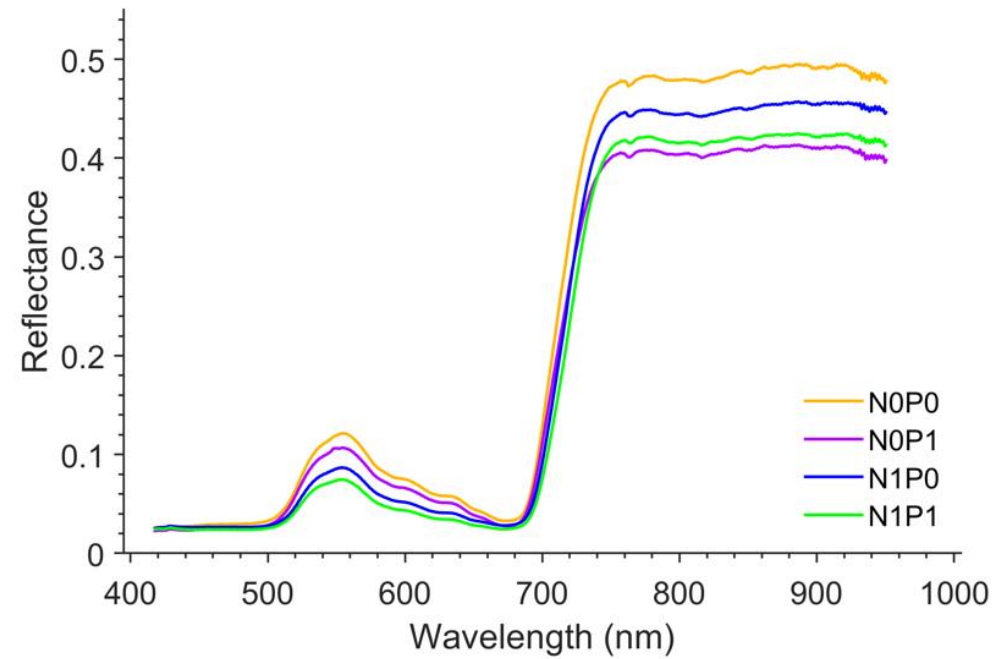
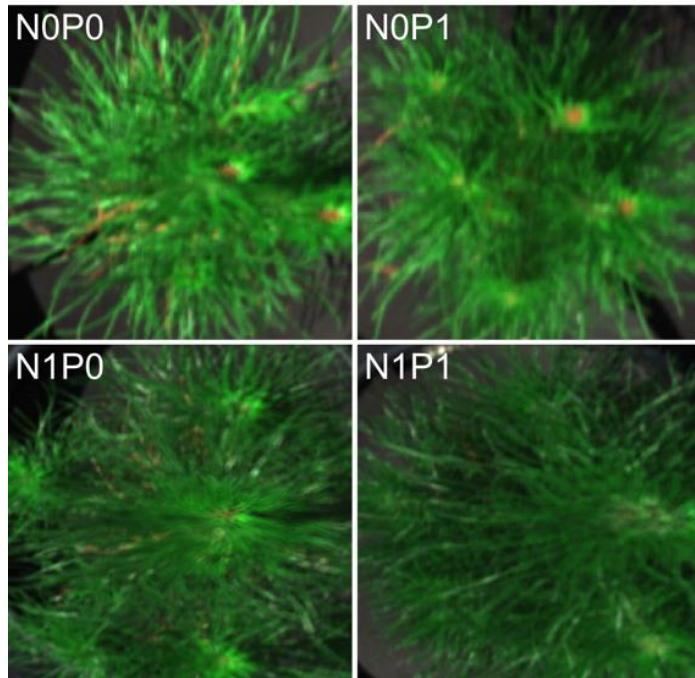


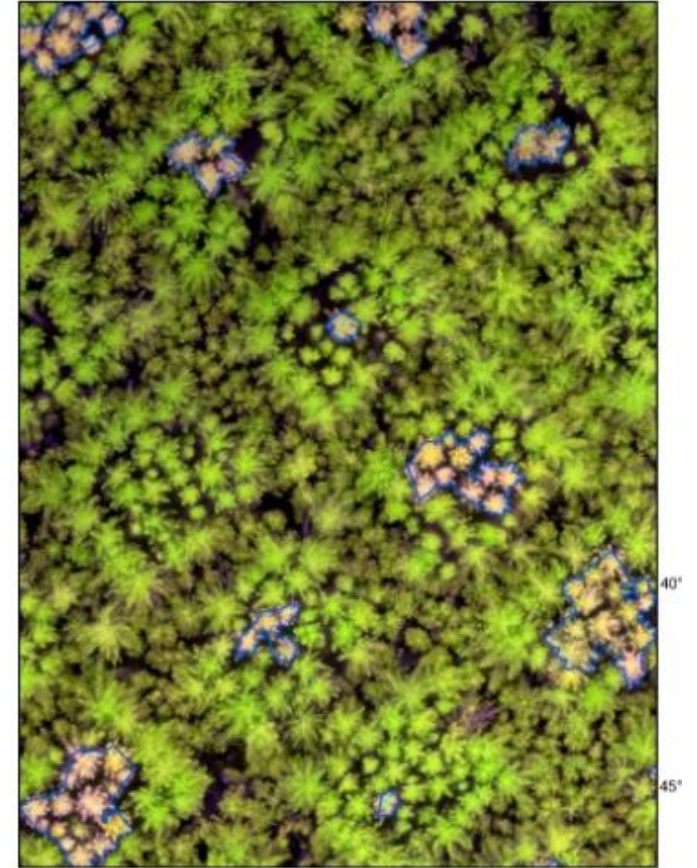
Remote Sensing Cluster Group meeting

November 13, 2023



Cluster group background and purpose

- Formed in 2011, co-led by Aaron Gunn and Michael Watt
- Current membership of the group is 132, comprising mostly industry participants
- Broad purpose of the group is to facilitate the transfer of knowledge from specialists to industry allowing science uptake



Presentation overview

Time	Topic	Speaker
1.00 – 1.10 pm	Introduction	Michael Watt
1.10 – 1.30 pm	Progress towards an RNC monitoring system	Andrew Holdaway
1.30 – 1.50 pm	Capturing NZ at scale (Aerial Survey's imagery database, PGF LiDAR datasets, 3D mesh models)	Steve Smith
1.50 – 2.10 pm	The Uptake and Barriers of Geospatial Technologies in New Zealand's Plantation Forestry Sector (2023)	Anna Manning
2.10 – 2.30 pm	Annual update on Tools For Foresters initiative	Robin Hartley
2.30 – 2.35 pm	Summary	Michael Watt
2.35 – 2.55 pm	Break	
2.55 – 3.00 pm	Session introduction	Aaron Gunn
3.00 – 3.20 pm	From Shared Datasets to Fake Datasets – an update on deep learning work at Scion	Nicolò Camarretta/Grant Pearse
3.20 – 3.40 pm	Advances in tree detection models, methods and delivery	Pete Watt/Abdullah Madawi
3.40 – 4.00 pm	In-house lidar for forestry companies? An appraisal of the DJI L1 sensor for forest inventory	Sadeepa Jayathunga/ Robin Hartley
4.00 – 4.20 pm	Terrestrial LiDAR (update on implementation for inventory) & Single Tree LiDAR imputation – the current hurdle for implementation	David Herries
4.20 – 4.30 pm	Summary	Aaron Gunn
4.30 – 5.00 pm	Questions/Discussion	