

International Lessons in Lidars

Matt Smith

Context

ZX Lidars have been on the market for nearly 20 years. Used in 100+ countries and their varied climates.

As an industry we have explored how we can realise lidar data value wherever wind measurements are needed.

Applications in wind

1. Lidars can be used on their own
2. Lidars really add value to site assessment
3. Lidars are accepted for site suitability
4. Lidars can assist construction
5. Lidars can be used for formal Power Curve Tests
6. Lidars offer excellent operational data

Evidence

- IEC classifications
- Case studies of lidar only
- Offshore wind

Wind Lidars are Bankable. You are not on your own, ZX Lidars are used everywhere!



Download the full paper
Evidencing how ZX Lidars have measured in a variety of climates and conditions for a variety of applications

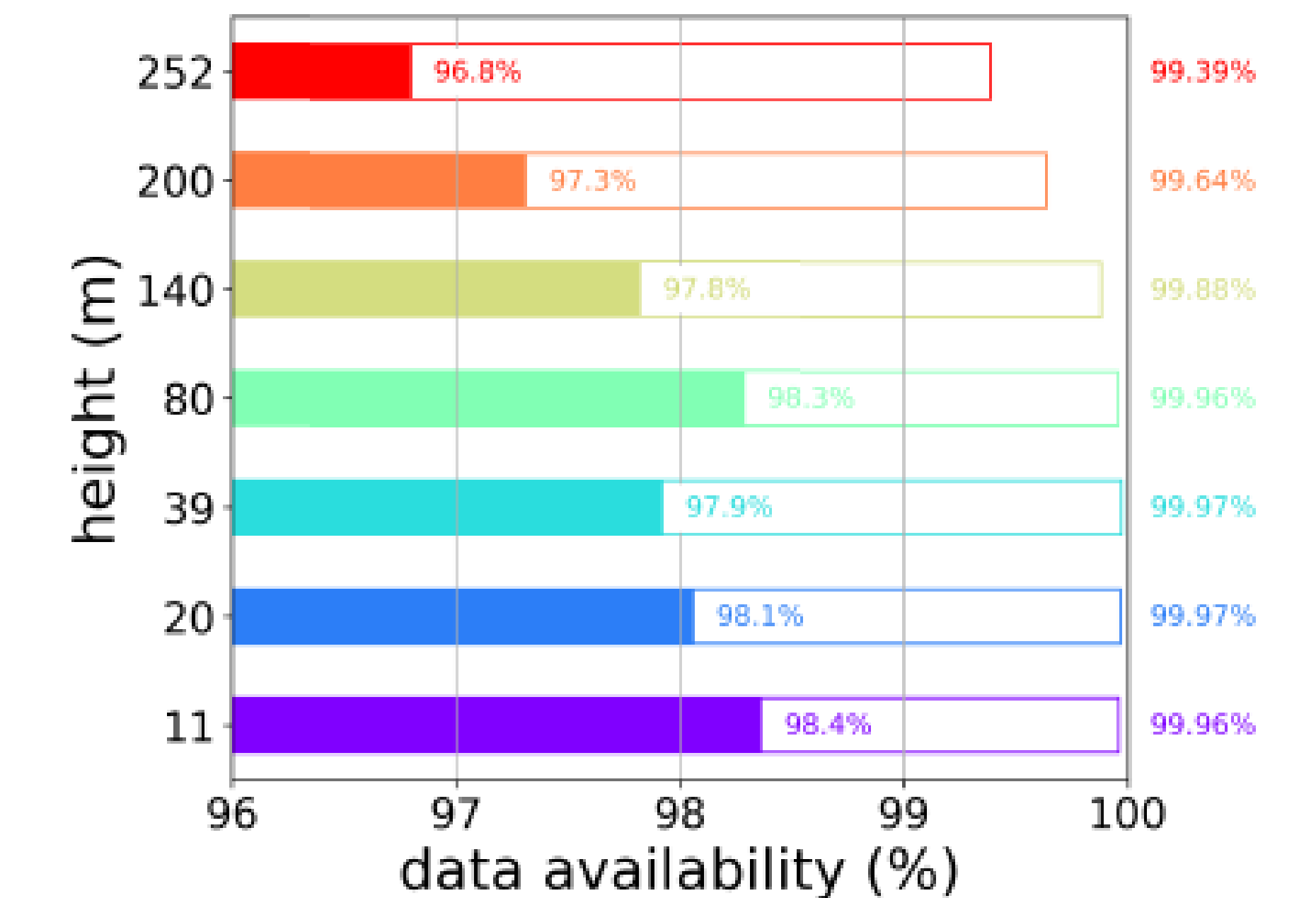
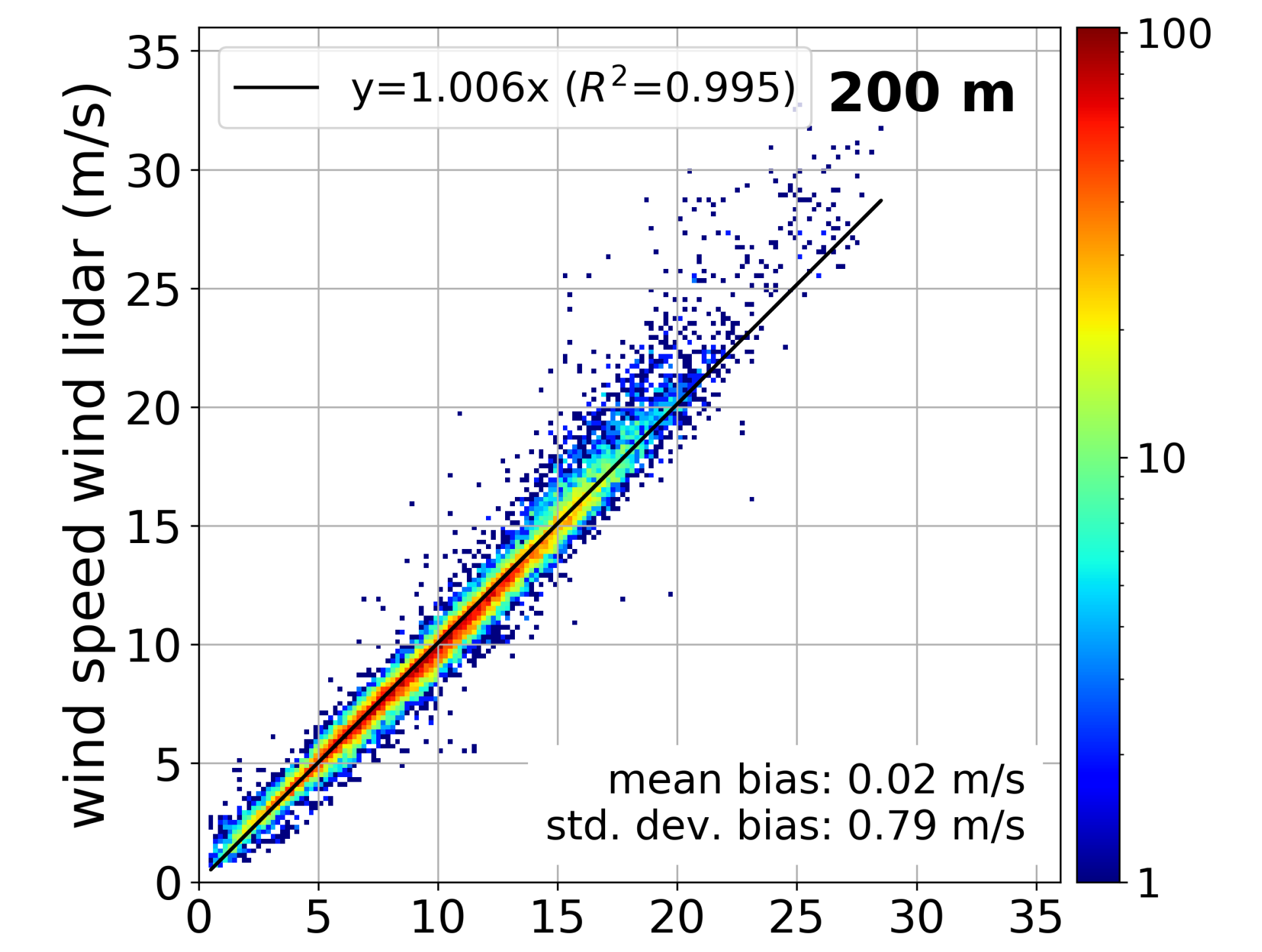
What next?

- There is some regionalism
- There is often a “fear” of doing something “new”
- We need to share our experiences as an industry

**RESOURCE
&TECH**



Examples of long-term data availability and correlation ¹



Acknowledgements – Carbon Trust OWA, The IEC, the IEA, CFARS

¹ “A two-year intercomparison of CW focusing wind lidar and tall mast wind measurements at Cabauw”. – Knoop, Bosveld, Haij & Apituley

ZX Lidars