



Webinar November 10, 2017 Combined Wind Resource Assessment HKZ

Questions: from the audience

Answers given by: Anthony Crockford (Ecofys), Sofia Boutsikoudi (Ecofys), Erik Holtslag (Ecofys) and Frank van Erp (Netherlands Enterprise Agency)

Question:

How far is the Long Term point located from the Lidar?

Answer:

The distance between LE Goeree (long-term reference) and the centre point of HKZ is 52 km. Both locations are at a similar distance from the coast (~20 km for LE Goeree and ~24 km for HKZ centre).

Question:

Why did you not use IJmuiden for WRA1?

Answer:

The OWEZ mast was chosen over the IJmuiden mast based on its proximity and better match with the expected wind climate. The IJmuiden mast is expected to be representative for further offshore conditions, whereas the OWEZ mast is expected to better represent possible near coastal characteristics.

Remark:

WRA1 and WRA2 are not completely independent since measurements from offshore e.g. OWEZ are used in EMD ConWx model to fine-tune.

Response:

It is indeed possible that for the EMD ConWx model wind or pressure measurements from existing offshore masts and platforms are used to fine-tune its settings, although no evidence of that is known to Ecofys WTTS. *So do all global weather models (GWM, used as a basis for ConWx) as they base themselves on pressure data collected at (WMO-compliant) meteorological stations or platforms, meaning that no single data source derived from a GWM can be seen as entirely independent.* The impact of this on the analyses presented is expected to be negligible, and, as already stated in the WRA2 report, complete independence cannot be created.