

Offshore Wind Accelerator:

Side by Side Analysis Best Practice

Clarification Questions

#	Question	Response
1	Is there currently any field data available from the OWA partners? If not, will a support in defining a suitable dataset be provided by the OWA partners? With "suitable dataset" means a dataset sufficiently rich to cover a wide range of WTGs operating conditions and critical events, whose analysis would be useful in the best practices' definition.	<p>Some datasets have been suggested by OWA partners, however, there is no guarantee that these will be made available to the selected bidder; access to any such dataset is at the discretion of the OWA partner.</p> <p>The suggested understanding of "suitable dataset" is in line with our thinking.</p>
2	"These data sets will be identified and categorised, with key characteristics identified, such as data source, duration, and other relevant elements". Will the dataset key characteristics be agreed with Carbon Trust and/or the OWA partners?	The selected bidder should suggest the criteria on which to assess datasets based on their knowledge of the subject area, further suggestions may be offered up by the OWA partners. The ultimate criteria should be agreed on by all parties.
3	<p><i>"The contractor may explore several methods and return with the one is considered the best based on:</i></p> <ul style="list-style-type: none"> <i>Filters and range of filters</i> <i>Sensitivity to meta parameter changes (the sector size, bin sizes, power limits, wind limits)</i> <i>Boundaries of the validity of the proposed method</i> <i>AEP uncertainty</i> 	The aspects listed are purely suggestions, and the OWA partners would welcome further aspects outside of those listed if the bidder thinks appropriate. If the bidder believes it is of value to focus purely on a subset of these aspects, then that should be suggested and backed up with reasoning.

	<ul style="list-style-type: none"> • <i>Statistical significance</i> <p>Does the selected method have to consider <u>all</u> these aspects? Or can the study focus on a subset of those points?</p>	
4	Is the algorithm/software (eventually developed during the project) considered as an output? Or, will the list of the best practices and the description of the method deemed the best one be considered the only outcomes required at the end of project?	The algorithm/software is not outlined explicitly as a project deliverable, however, the methodology behind the algorithm/software is (D04/D05).
5	Is the analysis intended to assess upgrades to turbines rather than any other performance changes?	Both hardware and software upgrades are the principle use cases, where a potential upgrade has been identified and the uplift needs to be validated.
6	Is the scope for assessing hardware upgrades only or include software upgrades which can be toggled?	See above
7	Is there any requirement to build a consensus between stakeholders on methodology (i.e. OEMs as well as Owners and Operators)?	The initial aim is to have the best practice guidance for the OWA partners, however, through industry dissemination we hope to involve all appropriate stakeholders such that a consensus can be agreed further down the line; therefore a consensus is not specifically sought after as a direct result of this project.
8	In reference to the Contractor Conditions, will these be open to amendments subject to review from our legal team?	Minor amendments to the contractor conditions may be made, any amendments will need to be approved by our legal team and the OWA Steering Committee. Please list any contract amendments as part of your tender submission.

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On page 11 of the Tender Description Document, for the project deliverables for WP3, it states "*D07: Final report including the interim reports D01, D02 and D05 the data sets and subsequent analysis, industry dissemination and conclusions*". Does this mean there is a requirement to submit the entire data sets (i.e. the 10-minute SCADA data from multiple wind farms) used for the project?

There is no need to submit the entire dataset as a deliverable, we would simply be looking for the list of datasets used as per D02.