



Netherlands Enterprise Agency

End users consultation Site characterisation Final results

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Goal

- > Collect feedback from end users with regards to;
 - Usage of data
 - Developments within the dataset
 - RVO's role within the site characterisation

- > Use feedback to prepare a site characterisation strategy for future Wind Farm Zones



Conducted 21 interviews

Branch organisations
Developers
Subcontractors

- > Goal achievement
- > Use of dataset
- > Development of data package
- > Costs versus achievement
- > Roles and responsibilities
- > Spin off
- > Innovation and multi-use
- > Communication



Goal achievement

- › Dataset significantly reduces financial risk and costs
- › Dataset accelerates realisation, at least after the award decision
- › Dataset reduces (sea-going) risks after award decision
- › Dataset has limited influence on market participation in the Netherlands



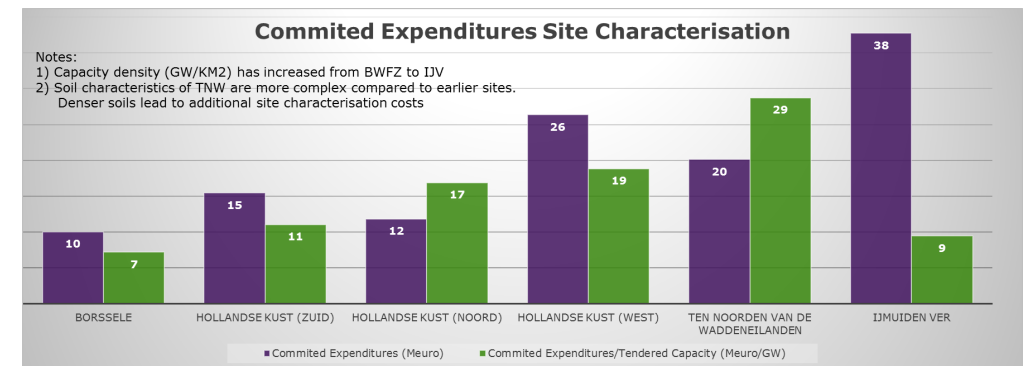
Usage of data

- > Timely available dataset of this quality supports level playing field and market access
- > Global leading dataset, comprehensive, complete, and reliable
- > Dataset minimum required for investment decision
- > Entire dataset is used, developments of added value
- > Certification supports financing and reduces discussions about data quality
- > Major differences between users



Dataset cost

- > Cost of site characterisation are competitive, effective, and efficient
- > If not done by RVO, developers (all) have to make similar investment





Proposed further developments for site characterisation

- > Wind gradient determination
- > Models for larger areas and longer term measurements
- > Data and experiences from existing projects (construction and operation)
- > Data management
 - Access
 - Integration
 - Interpretation
 - Visualisation (3D/4D)
- > Support measurements for ecology
- > Innovation (autonomous vessels, emission reductions)
- > *Example* wind farm layout
- > Hydrogen landing data



Data disclosure, innovation and communication

- › Improve data management so data is more manageable for users
- › Data package sufficient to enable current innovations and multi-use
- › Communication is good, market feels heard and involved



Conclusions

- Effective and efficient site characterisation package
- Contributes to level playing field and goal achievement
- Developments on the right track