

# Offshore Wind Energy Data Quality Report

## Overview of Data Quality Dimensions

- 1. **\*\*Volledigheid (Completeness)\*\***: Checks for missing values in the dataset.
- 2. **\*\*Uniciteit (Uniqueness)\*\***: Identifies duplicate rows, and checks for ID and date consistency.
- 3. **\*\*Actualiteit (Timeliness)\*\***: Verifies if the data is up-to-date and within the correct date range.
- 4. **\*\*Validiteit (Validity)\*\***: Checks if the data conforms to predefined valid values for classification, granularity, and activity.
- 5. **\*\*Consistentie (Consistency)\*\***: Ensures temporal consistency between `validfrom` and `validto`.

Data Dimension	Check Result
Volledigheid (Completeness)	0 missing values
Uniciteit (Uniqueness)	0 duplicate rows
Actualiteit (Timeliness)	0 outdated rows
Validiteit (Validity)	Invalid classifications: 0, Invalid granularities: 0, Invalid activities: 0
Consistentie (Consistency)	0 rows with invalid validto > validfrom