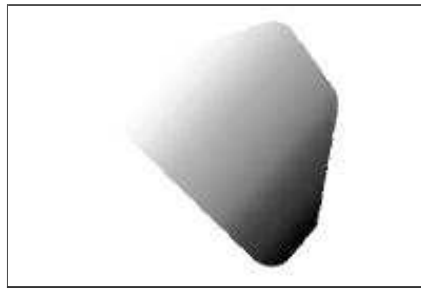


Calculated mean wind speed at 100 m for Borssele zone (May 2015)

Raster Dataset



Tags

Borssele, wind speed, Ecofys

Summary

This information can be used as input for wind farm modelling, yield assessments and business case calculations for offshore wind farms to be developed in the Borssele wind farm area.

Description

Calculated mean wind speed at 100 m for Borssele zone, based on wind measurements at Meteomast IJmuiden, extrapolated to the zone with KNMI KNW mesoscale model. See Ecofys report "Borssele Offshore Wind Farm Zone Wind Resource Assessment" dated May 2015. RVO reference WOZ1500020.

Credits

Ecofys, KNMI

Use limitations

1. This report has been produced using industry standard models and information available at the date of this report. This report does not imply that these standard models nor this information is not subject to change, which may occur and may influence the conclusions and accuracy of the findings of this report.
2. Ecofys always recommends basing the wind climate calculations on on-site wind measurement campaigns to guarantee the highest accuracy and lowest uncertainty in the calculation. If such data is not available, Ecofys bases its characterisation of the local wind climate on the best available wind speed data and/or on estimates thereof. The availability and quality of such data directly impacts the quality and uncertainty of the calculations. Ecofys accepts no liability for any loss or damage suffered by the client and/or third parties stemming from any conclusions based on data supplied by parties other than Ecofys and used by Ecofys in preparing this report.
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Extent

West	2.720126	East	3.199142
North	51.831294	South	51.534172

Scale Range**Maximum (zoomed in)** 1:5,000**Minimum (zoomed out)** 1:150,000,000**ArcGIS Metadata ►****Topics and Keywords ►**

THEMES OR CATEGORIES OF THE RESOURCE climatologyMeteorologyAtmosphere

* CONTENT TYPE Downloadable Data

*Hide Topics and Keywords ▲***Citation ►**

TITLE Calculated mean wind speed at 100 m for Borssele zone (May 2015)

ALTERNATE TITLES Borssele 100 m wind speed map

CREATION DATE 2015-05-13 00:00:00

PUBLICATION DATE 2015-05-13 00:00:00

REVISION DATE 2015-05-27 00:00:00

PRESENTATION FORMATS * digital map

RESOURCE IDENTIFIER

VALUE ECO/HLS/D10001

*Hide Citation ▲***Resource Details ►**

DATASET LANGUAGES * English (UNITED KINGDOM)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * grid

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.3.0.4322

CREDITS

Ecofys, KNMI

ARCGIS ITEM PROPERTIES

* NAME WIND_KNMI_Calculated mean wind speed at 100 m for Borssele zone (May 2015)_20150513_HLS.asc

* LOCATION file:///\\ecofyswnd-001.cloudapp.net\data\$\Data\GIS Offshore\Project\Borselle\Documents\asc grid export\WIND_KNMI_Calculated mean wind speed at 100 m for Borssele zone (May 2015)_20150513_HLS.asc

* ACCESS PROTOCOL Local Area Network

*Hide Resource Details ▲***Extents ►**

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE 2.720126

* EAST LONGITUDE 3.199142

* NORTH LATITUDE 51.831294
 * SOUTH LATITUDE 51.534172
 * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 480714.224518
 * EAST LONGITUDE 513722.608505
 * SOUTH LATITUDE 5709266.163458
 * NORTH LATITUDE 5742274.547444
 * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Helen Pater
 ORGANIZATION'S NAME Ecofys
 CONTACT'S POSITION GIS Consultant
 CONTACT'S ROLE resource provider

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY not planned

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

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ACCESS CONSTRAINTS copyright
USE CONSTRAINTS copyright

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

```
* TYPE Projected
* GEOGRAPHIC COORDINATE REFERENCE GCS_ETRS_1989
* PROJECTION ETRS_1989_Transverse_Mercator
* COORDINATE REFERENCE DETAILS
  PROJECTED COORDINATE SYSTEM
    X ORIGIN -5120900
    Y ORIGIN -9998100
    XY SCALE 450445547.3910538
    Z ORIGIN -100000
    Z SCALE 10000
    M ORIGIN -100000
    M SCALE 10000
    XY TOLERANCE 0.001
    Z TOLERANCE 0.001
    M TOLERANCE 0.001
    HIGH PRECISION true
    WELL-KNOWN TEXT PROJCS["ETRS_1989_Transverse_Mercator",GEOGCS
["GCS_ETRS_1989",DATUM["D_ETRS_1989",SPHEROID
["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER
["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PARAMETER
["Central_Meridian",3.0],PARAMETER["Scale_Factor",0.9996],PARAMETER
["Latitude_Of_Origin",0.0],UNIT["Meter",1.0]]
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REFERENCE SYSTEM IDENTIFIER

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DIMENSION horizontal
VALUE 25831
CODESPACE EPSG
```

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

GEORECTIFIED GRID ►

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* NUMBER OF DIMENSIONS 2
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AXIS DIMENSIONS PROPERTIES

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DIMENSION TYPE column (x-axis)
* DIMENSION SIZE 229
* RESOLUTION 144.141415 m (meter)
```

AXIS DIMENSIONS PROPERTIES

DIMENSION TYPE row (y-axis)
 * DIMENSION SIZE 229
 * RESOLUTION 144.141415 m (meter)

* CELL GEOMETRY area
 * POINT IN PIXEL center

* TRANSFORMATION PARAMETERS ARE AVAILABLE Yes

* CHECK POINTS ARE AVAILABLE No

CORNER POINTS

* POINT 480714.224518 5709266.163458
 * POINT 480714.224518 5742274.547444
 * POINT 513722.608505 5742274.547444
 * POINT 513722.608505 5709266.163458

* CENTER POINT 497218.416512 5725770.355451

Hide Georectified Grid ▲

ARCGIS RASTER PROPERTIES ►

GENERAL INFORMATION

* PIXEL DEPTH 32
 * COMPRESSION TYPE None
 * NUMBER OF BANDS 1
 * RASTER FORMAT AAIGrid
 * SOURCE TYPE continuous
 * PIXEL TYPE floating point
 * NO DATA VALUE -2e+037
 * HAS COLORMAP No
 * HAS PYRAMIDS No

Hide ArcGIS Raster Properties ▲

Hide Spatial Data Properties ▲

Spatial Data Content ►

IMAGE DESCRIPTION

* TYPE OF INFORMATION image

BAND INFORMATION

* DESCRIPTION Band_1
 * MAXIMUM VALUE 9.680041
 * MINIMUM VALUE 9.328701
 * NUMBER OF BITS PER VALUE 32

Hide Spatial Data Content ▲

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

Hide Scope of quality information ▲

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ►

DIMENSION horizontal

EVALUATION TYPE direct internal

[Hide Data quality report - Conceptual consistency ▲](#)

[Hide Data Quality ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME Raster Dataset

VERSION 1

[Hide Distribution ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (UNITED KINGDOM)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER ECO/HLS/M10001

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset

SCOPE NAME * dataset

* LAST UPDATE 2015-05-28

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE North American Profile of ISO19115 2003

STANDARD OR PROFILE USED TO EDIT METADATA NAP

CREATED IN ARCGIS FOR THE ITEM 2015-05-28 16:23:09

LAST MODIFIED IN ARCGIS FOR THE ITEM 2015-05-28 18:01:03

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2015-05-28 18:01:03

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Helen Pater

ORGANIZATION'S NAME Ecofys

CONTACT'S POSITION GIS Consultant

CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

ADDRESS

TYPE

E-MAIL ADDRESS h.saehr@ecofys.com

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY not planned

Hide Metadata Maintenance ▲

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲