Deliverable Report
EUDP Project: **GASP**

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Deliverable report: D4.1

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Date and version:　　*2021.06.07 (v1.0)*
Work Package:　　　 *WP 4 – 'Demonstration and commercial exploitation'*
Deliverable name:　　*D4.1 – 'Report on integration of data to commercial portals'*
Milestone status:　　**Completed**

Deliverable and task description

Task 4.1: To integrate GASP in the windPROSPECTING.com portal (EMD)

Deliverables and outcomes

The GASP dataset has been integrated into three EMD portals:

1) windprospecting.com (lightweight browser access)
2) windPRO (resource maps for detailed calculations)
3) EMD-API (direct machine access via e.g Python)

(1) Was released as beta on 21st of May. Final release is expected 1st of July.
(2) Was released with windPRO 3.5 as beta on 7th of June.
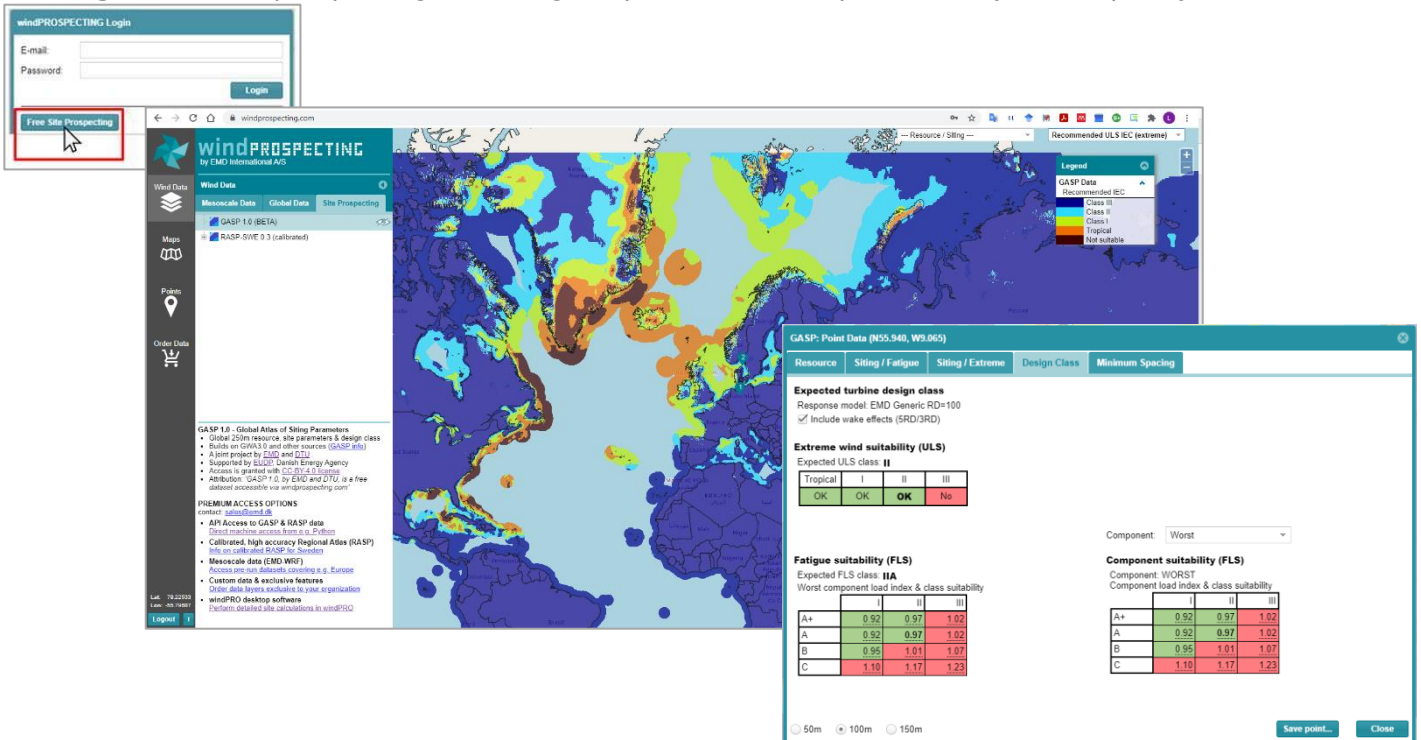(3) Is currently in beta and will be released during 2021.

Solutions

(1) Requires registration of a free "Prospecting account", and gives full access to the GASP dataset, both the spatial view of omnidirectional parameters and point view of the full set of directional parameters for each data point. Simply go to windprospecting.com and register the account. See figure 1 for an example.

(2) Requires an active windPRO license. The GASP data are integrated via a download tool that allows selection of an area of interest. The tool then converts the raw GASP-data from Netcdf to .siteres format and imports this into a windPRO result-layer which may be visualized and used in detailed energy and load assessments. (see figure 2)

(3) Requires a separate EMD-API license and allows the user to download the data directly from e.g. Python or R. For further details see: https://api.emd.dk/. (see figure 3)
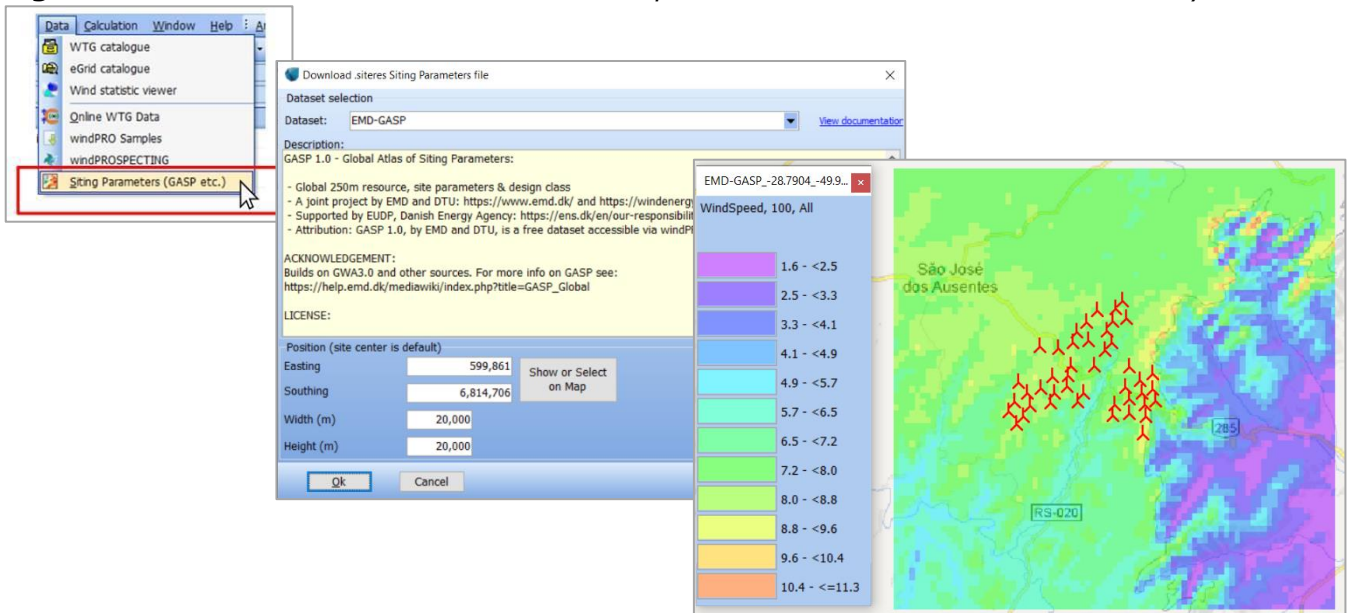
References

N/A

Figure 1: *windprospecting.com - login, spatial-view and point-view (click on point).*

Figure 2: *windPRO – GASP download tool and spatial view of the downloaded "result-layer".*

Figure 3: *EMD-API – start page.*