

Milestone report: CM2

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Work Package: WP 4 – 'Demonstration and commercial exploitation'
Milestone name: CM2 – 'GASP concept demonstrated on commercial high accuracy regional data set'
Milestone status: **Completed**

Milestone description

Commercial Milestone 2 (CM2) covers demonstration of the application of the GASP concept to create a high accuracy **R**egional **A**tlas of **S**iting **P**arameters (RASP). Based on talks with the commercial partners Nordex and RWE, it was decided to create a high accuracy commercial dataset calibrated for Sweden (RASP-SWE).

Deliverables and outcomes

High accuracy data layers covering Sweden have been generated for two heights of h=100m and h=150m. Both layers can be chosen as a dataset in windprospecting.com for the user-logins which are granted access.

Solutions

RASP-SWE data layers are calibrated by a heteroscedastic Gaussian Process Regression (GPR) machine learning method. The GPR is trained using multiple high-quality measurements of the relevant siting parameters across Sweden, together with geospatial predictors derived from recent regional and global databases.

References

N/A