Deliverable Summary Report: D1.2

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Work Package: *WP 1 – 'Satellite data and derived product'*
Deliverable name: *D1.2 – 'Dynamic roughness layers prepared for mesoscale modeling '*
*Deliverable status:*   *Completed*

Deliverable description

The purpose of this deliverable is deliver dynamic roughness layers for Innowind for mesoscale modelling. Two tracks are followed:

1) Land cover based approach. Completed
2) Forest height approach. Work in progress. This is additional work identified during the project course that is currently being investigated

Activities and tasks completed

DHI GRAS has in dialogue with the project partners developed a land cover processing chain that via look-up tables of surface roughness (provided by DTU WIND) convert land cover classes (processed and analysed at DHI GRAS using Sentinel data) to surface roughness. The model is globally available in 10 meter resolution

Deliverables and outcomes

■	0 - 0.4
□	0.5 - 0.9
□	1 - 1.4
■	1.5 - 1.9
■	> 2
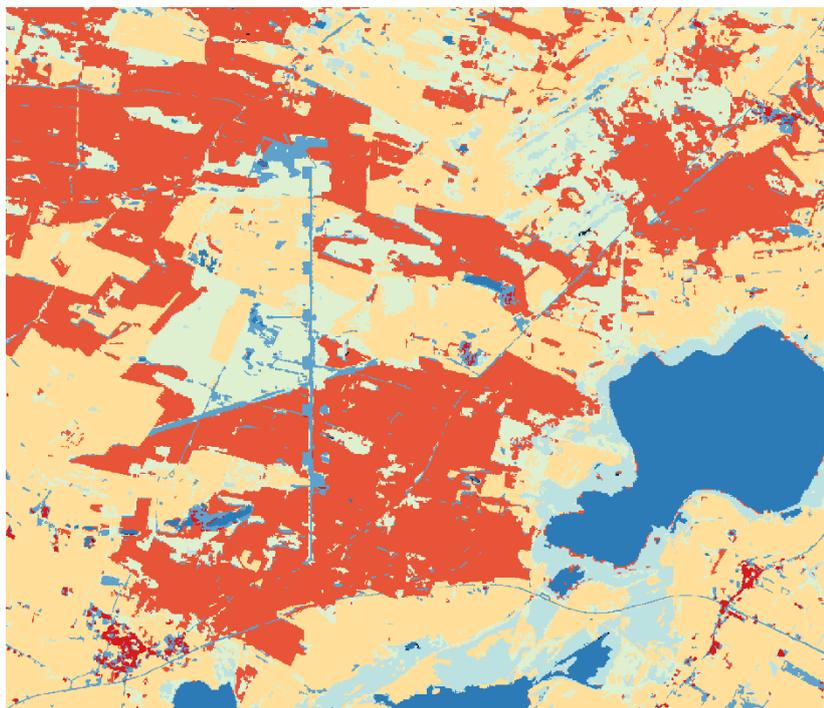
Surface roughness illustrated for Østerild using Sentinel data.