

Reference panel for remote sensing studies at Järvelja, Estonia

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A reference panel for the support of spectroscopic remote sensing measurements was built at Järvelja, Estonia, $58^{\circ}16'5.98''\text{N}$ $27^{\circ}18'15.43''\text{E}$ in 2010 (Fig.1). There is no natural surface in Estonia which is large and homogeneous and stable enough to serve as a reference for remote sensing spectroscopic measurements. The Järvelja reference is a 10 m x 10 m horizontal concrete panel which is protected from weather conditions by a removable roof.

The reflectance of the panel surface has been measured on a 1m grid with a field spectroradiometer in the spectral range of 350..2500 nm.



Figure 1: The perspective view of the Järvelja reference taken onboard an UAV