Julie Krämer

Exploring diversity effects on light interception and crop phy siology by downscaling full-spectrum SIF

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Sunlight

Solar-induced fluorescence (SIF)

Water

Nitrate

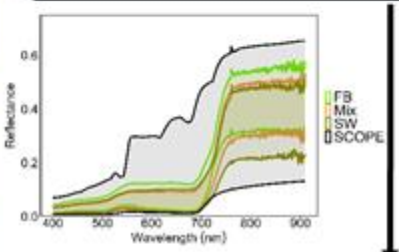
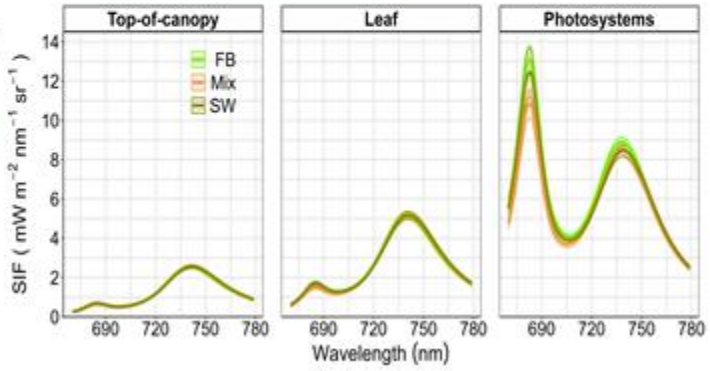
Spectral training data base (SCOPE 2.1)

Hybrid RTM inversion (using GPR)

Spectral fitting method

Downscaling

Variable estimation

Scattering parameter f_{esc}

Absorbed light ($APAR_{Chl}$)