



Scaling SIF to the leaf level from the canopy level and quantifying the main driver that influences its flow on three contrasting canopy structures

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Canopy structures

Vertical

Horizontal

Illustration of SIF760 photon escape scenarios

SIF760 escape main driver

Prediction of SIF760 escape

With SIF760 drivers

Validationset

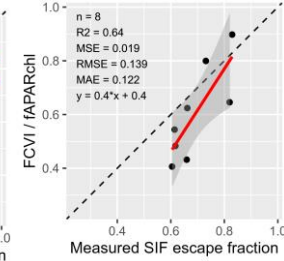
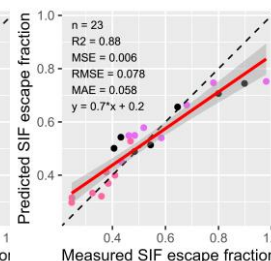
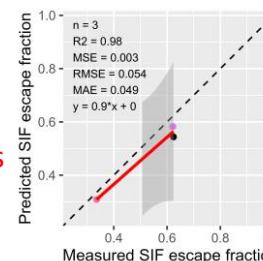
Trainingset

With canopy reflectance from early flowering

Maize



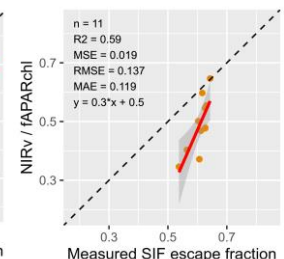
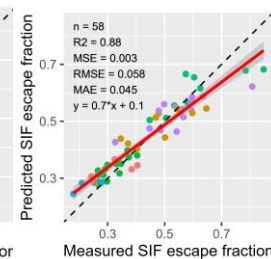
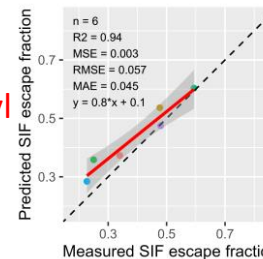
Leaf extremities angles



Beans



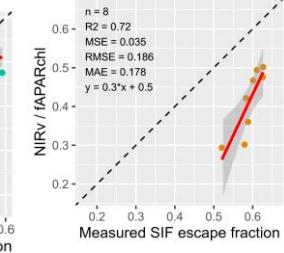
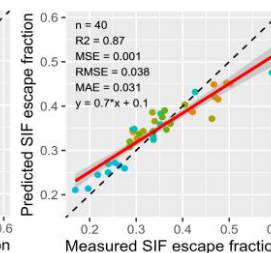
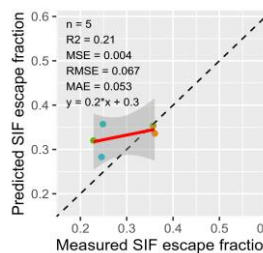
Chlorophyll content



Wheat



Leaf Area



* Each color in scatterplot represents one BBCH