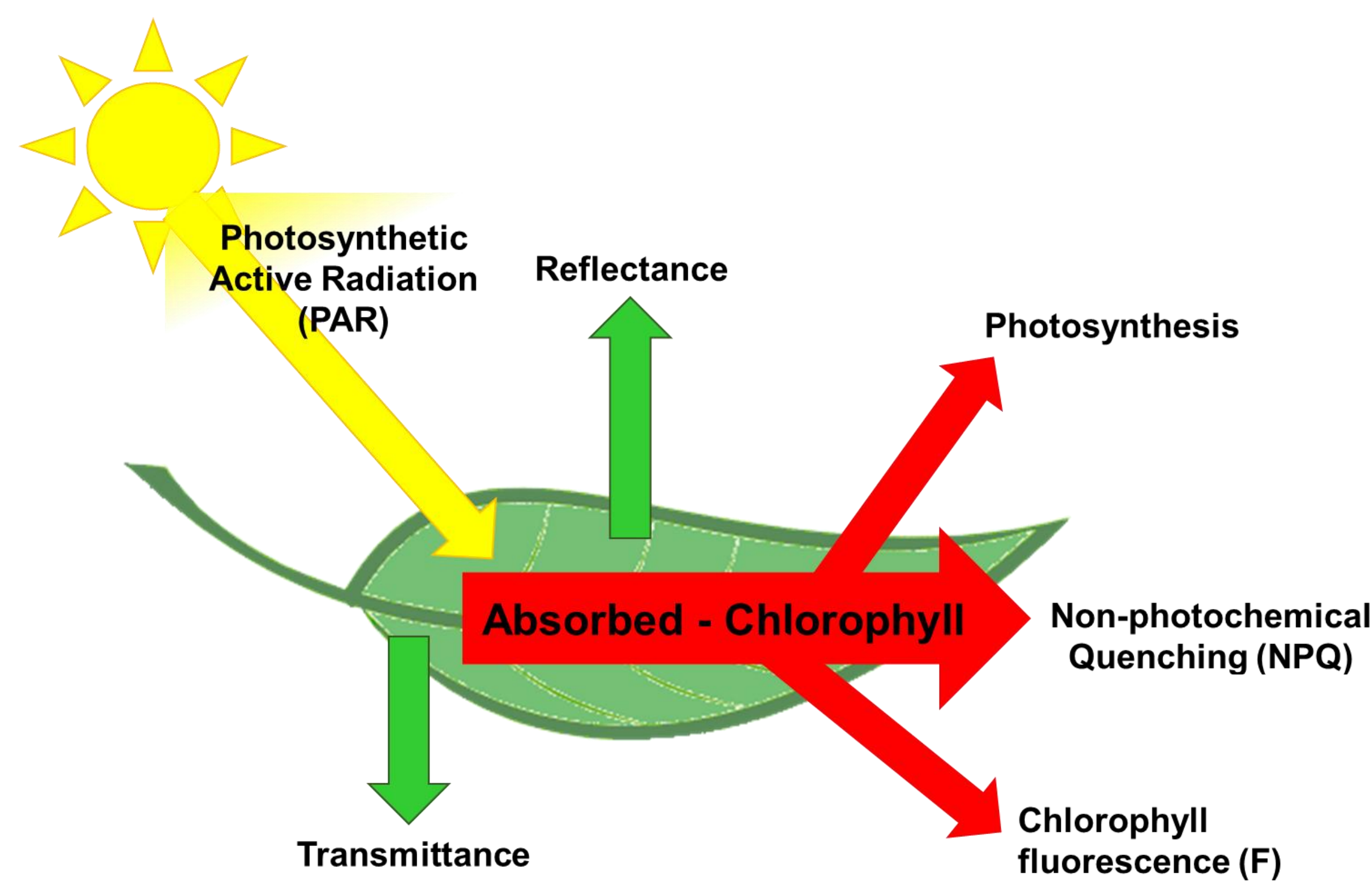
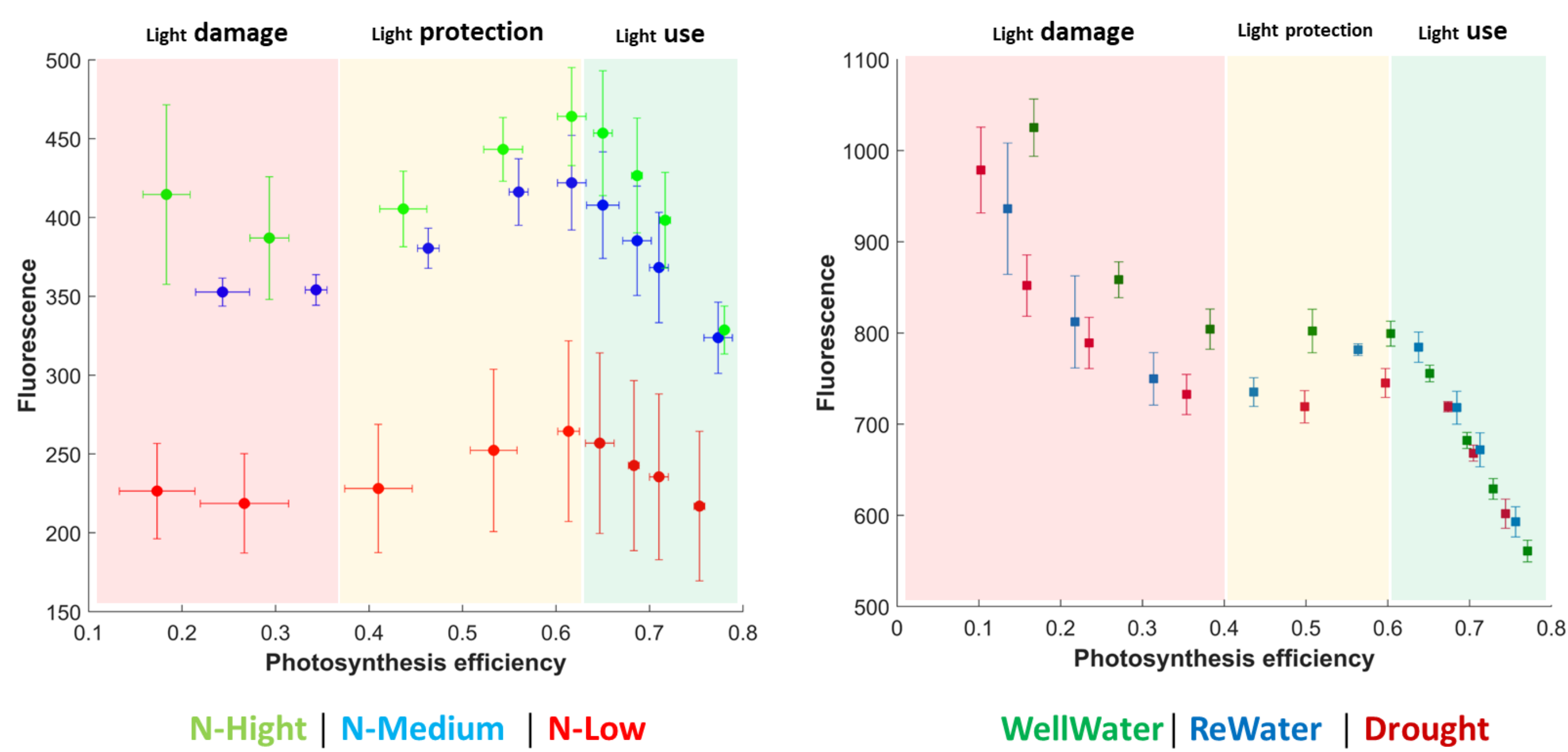


Functional based traits



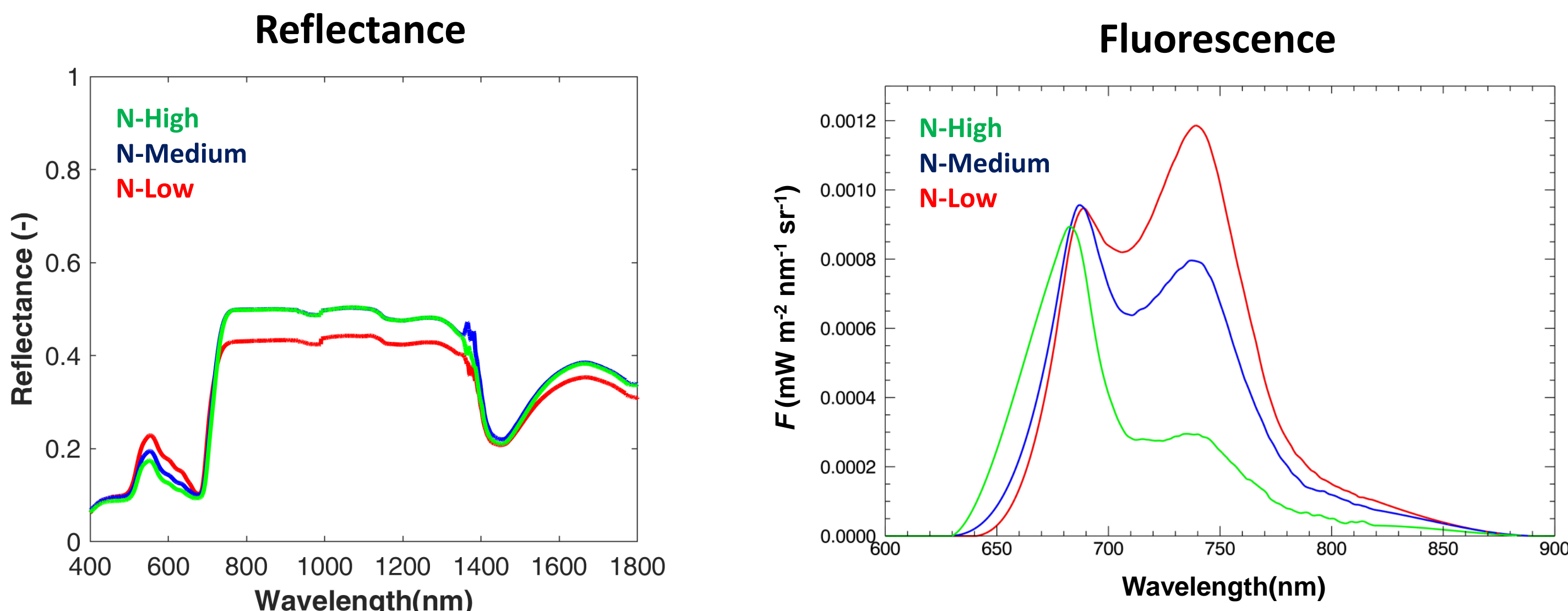
Complex relationship between *F* and photosynthesis



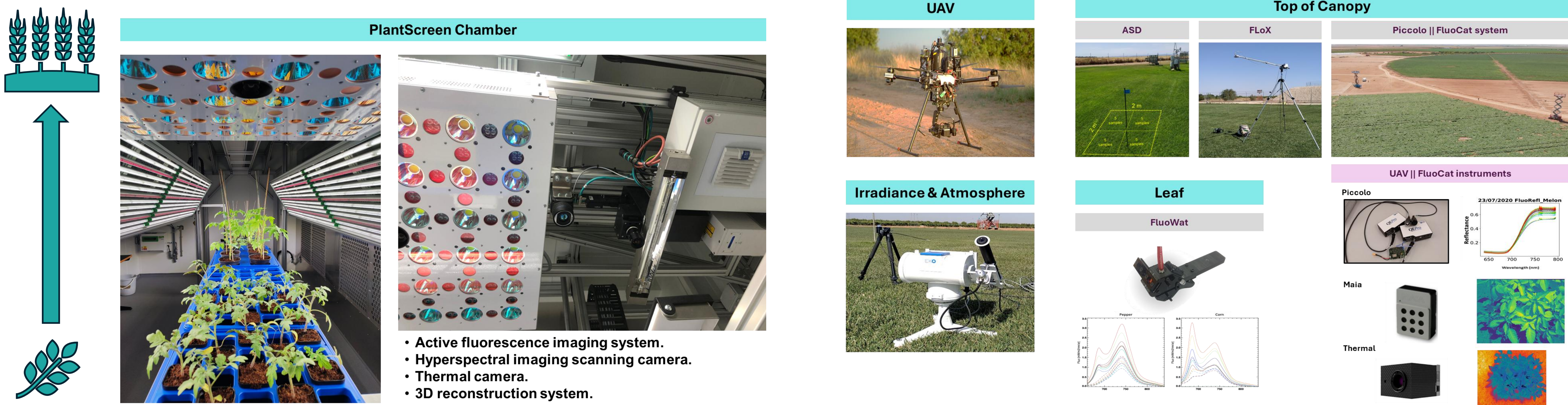
⇒ *F* depends in a first order on *APAR* and in a second order on *NPQ*

Remote monitoring of vegetation status

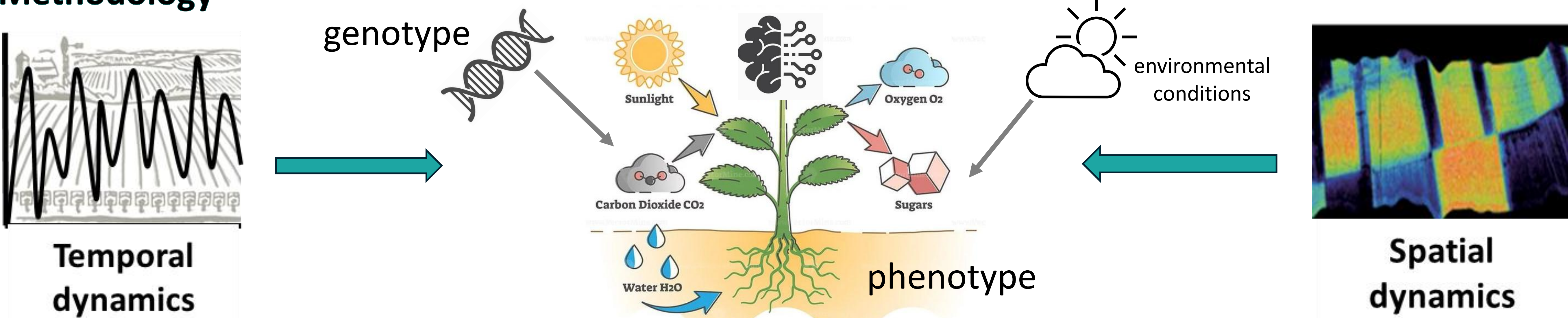
- ▶ **Reflected radiance** (bands combination or complete spectrum)
 - *Vegetation indices*: NDVI, PRI, NIRv, EVI.
 - *Biophysical traits*: fAPAR, LAI, fCover, Pigment content (chlorophyll, carotenoids, xanthophyll's)
 - *Functional traits*: APAR, Non-photochemical quenching (*NPQ*).
- ▶ **Emitted radiance**
 - *Functional traits*: Chlorophyll Fluorescence (*F*)
- ▶ **Surface temperature**



Laboratory and field measurements strategy



Methodology



Products

