Phenology assesment

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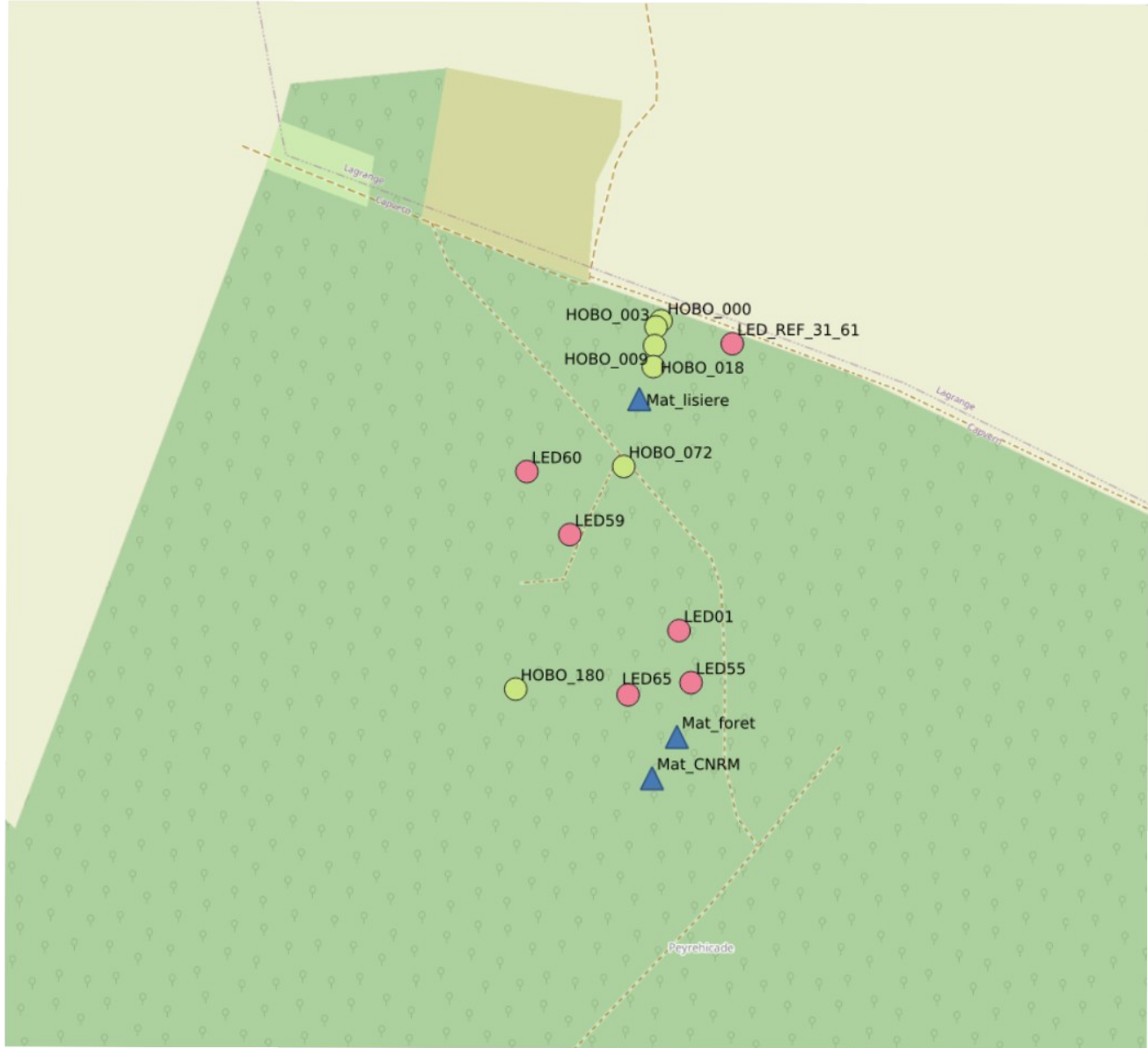
Principle

- Continuous measurement of Plant Area index
  - Brede, B.; Gastellu-Etchegorry, J.-P.; Lauret, N.; Baret, F.; Clevers, J.G.P.W.; Verbesselt, J.; Herold, M. Monitoring Forest Phenology and Leaf Area Index with the Autonomous, Low-Cost Transmittance Sensor PASTiS-57. Remote Sens. 2018, 10, 1032. https://doi.org/10.3390/rs10071032
  -
- Ponctual measurement of LAIeffective by Hemispherical pictures

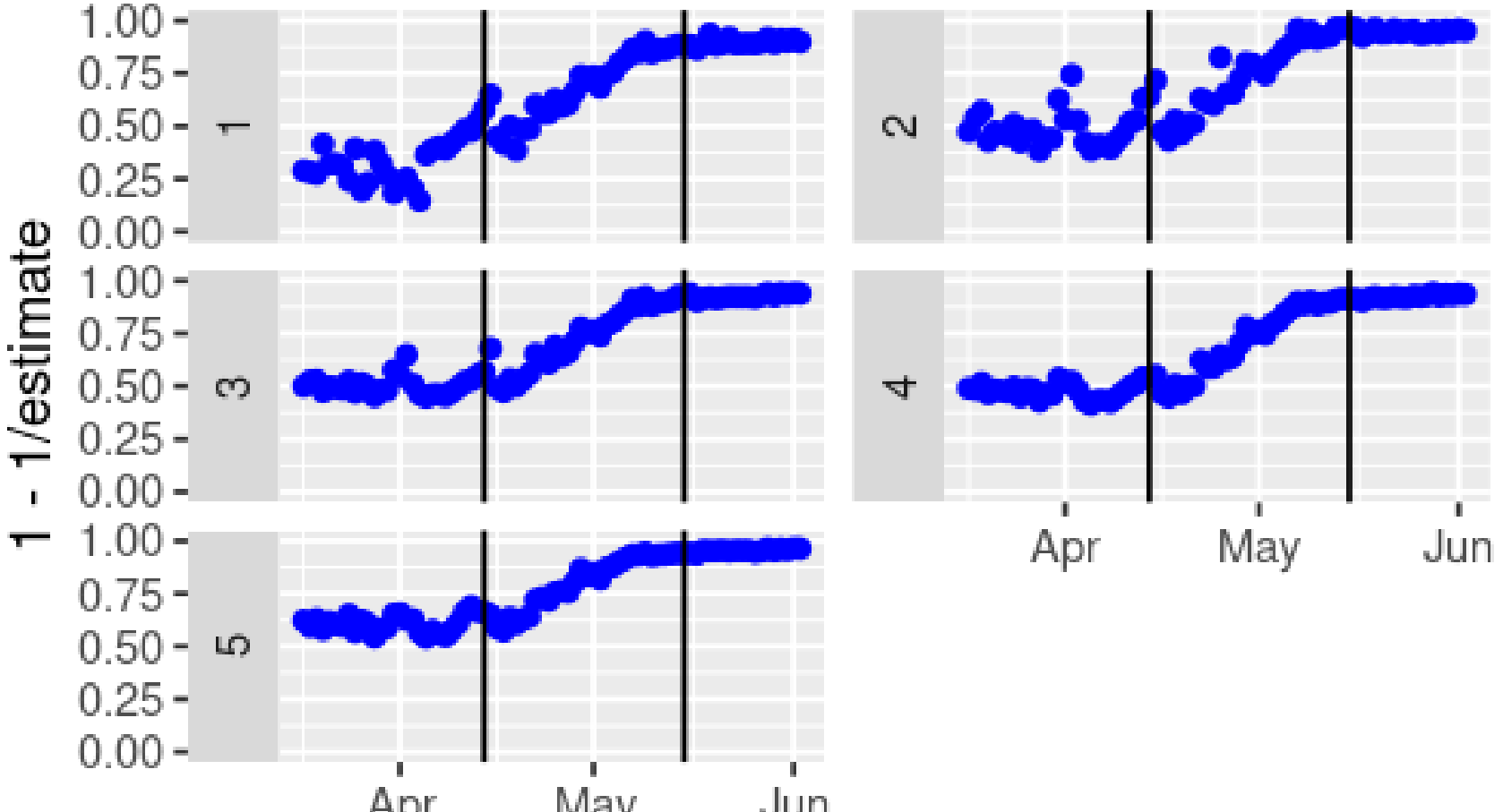

HOBO_003
HOBO_000
LED_REF_31_61
HOBO_009
HOBO_018
Mat_lisiere
LED60
HOBO_072
LED59
LED01
HOBO_180
LED65
LED55
Mat_foret
Mat_CNRM
Lagrange
Lagrange
Peyrehicade

14 April SOP3

15 mai 2023

Img5670.jpg

First Result : interception



To do

- Compute LAI from DHP picture
- Refine, Transform the interception timeserie in LAI timeserie.
- Estimation of LAI above 1 metre but there is a lot of leaves below 1 meter.

Other applications :
- measurement every minute of
diffuse radiation and temperature.
-> Compare with CNR4 data and Hobo.