



DVM

Light

CO_2

Temperature

Atmospheric water content (e_s)

Soil moisture

Nutrients

1. Model forcing

2. Assimilation

3. Digital twin

Output

LAI

CO_2

Air temperature

Soil moisture

Soil temperature

RTM

Energy budget + hydrology balance + phenology cycles

Model outputs

Primary production

TS analysis

Value

Date

feb 2017 feb 2018 feb 2019 feb 2020