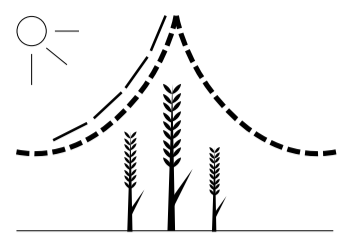


# 03\_A - GRID

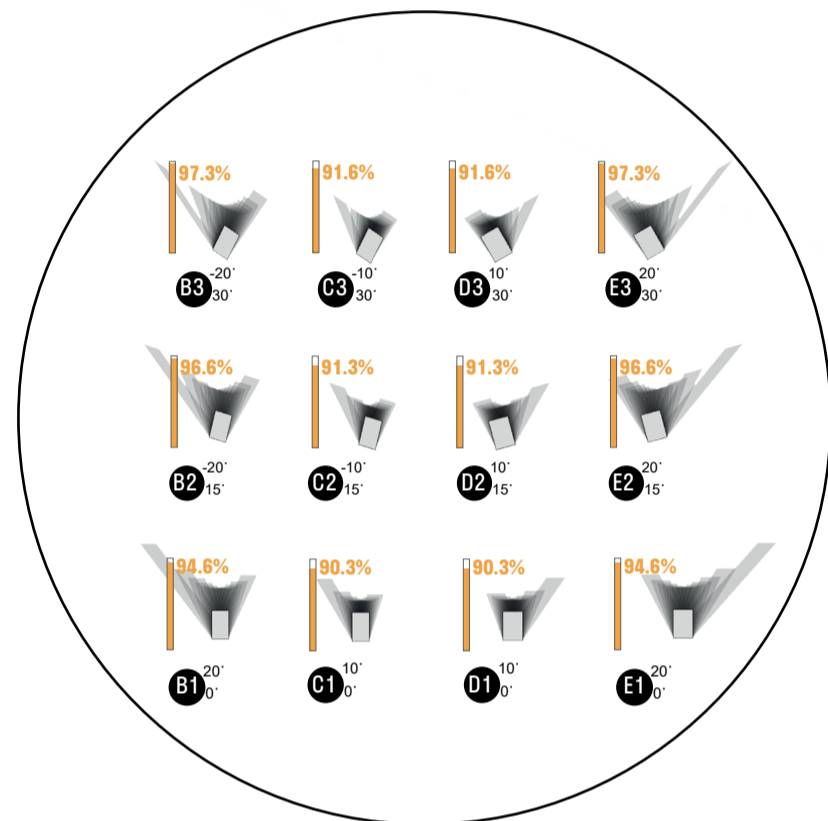
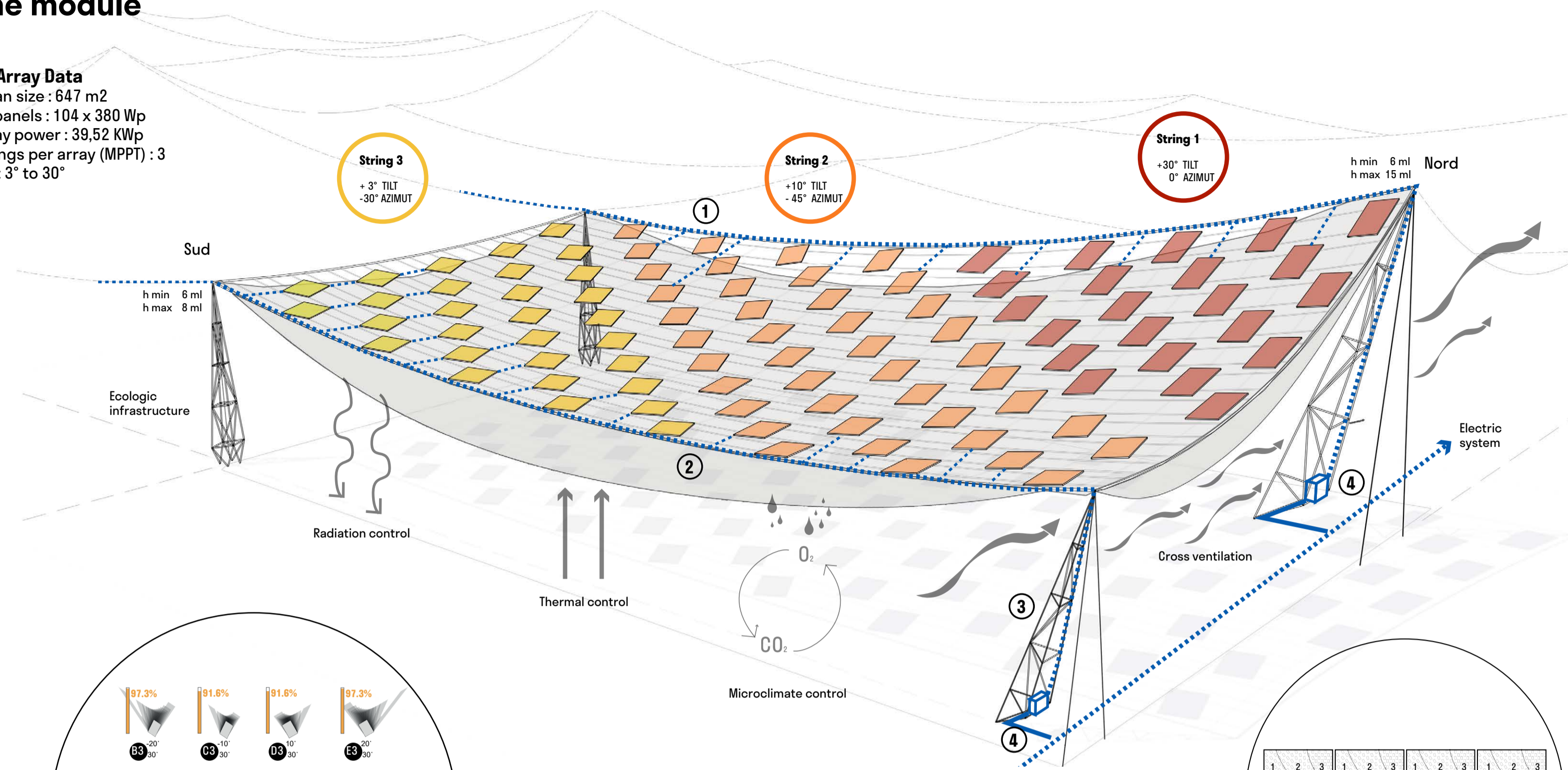
Agrivoltatics and energy production



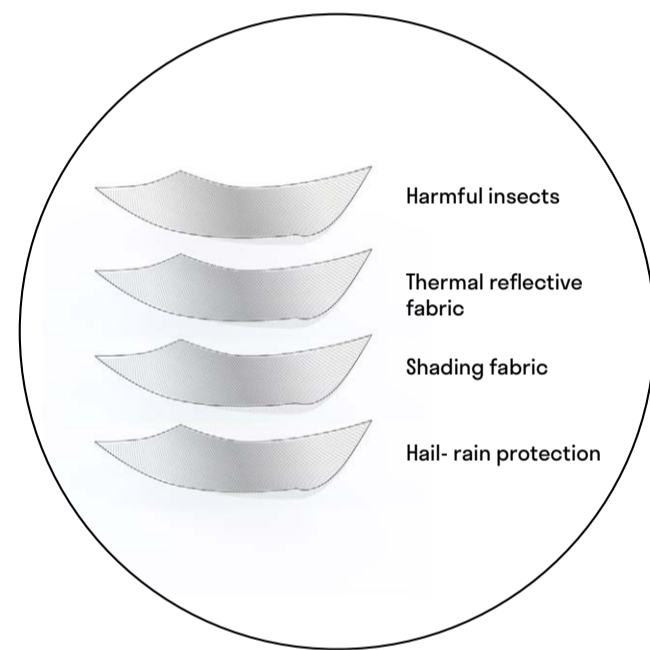
Agrivoltatics for Noah's ark  
Fabiano Spano architect

## The module

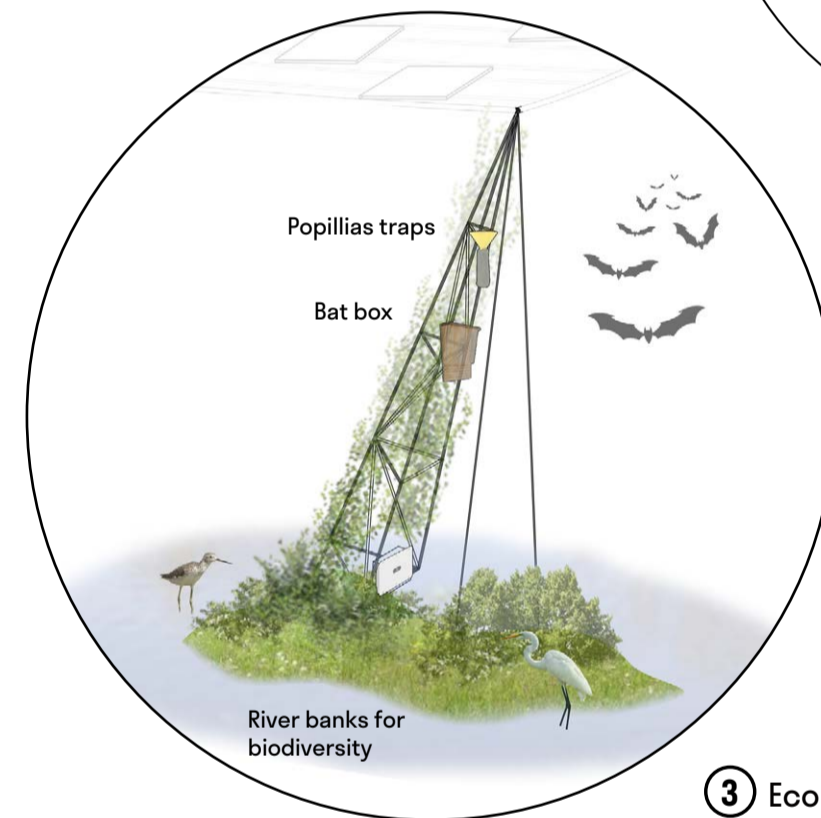
**PV Array Data**  
Mean size : 647 m2  
PV panels : 104 x 380 Wp  
Array power : 39,52 KWp  
Strings per array (MPPT) : 3  
Tilt : 3° to 30°



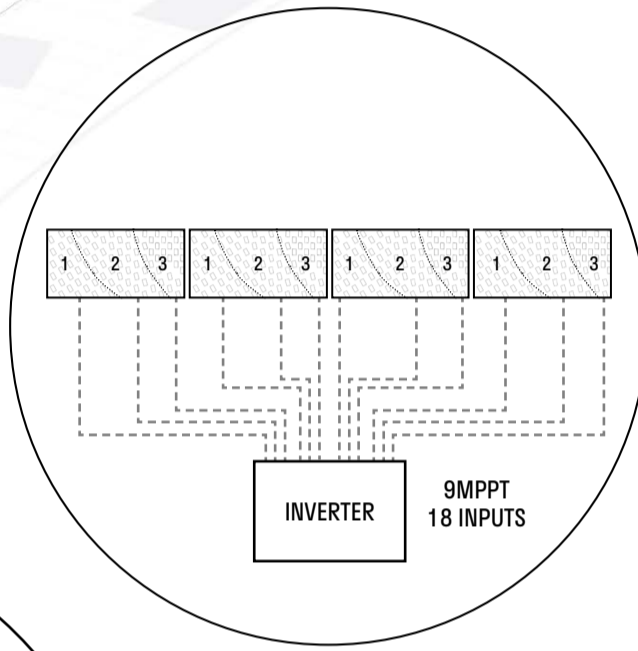
1 Solar matrix



2 Agrotexile options

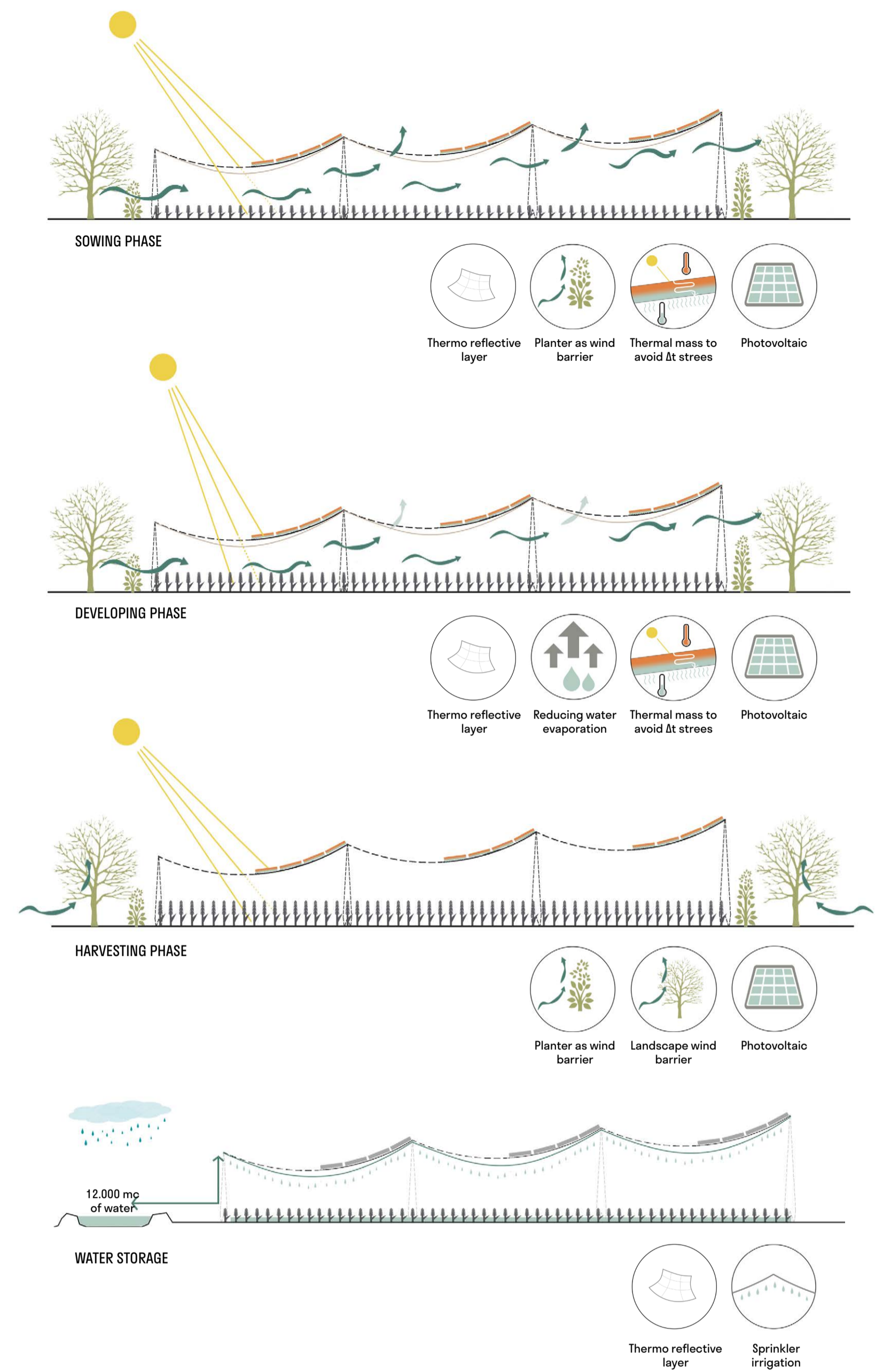


3 Ecologic infrastructure



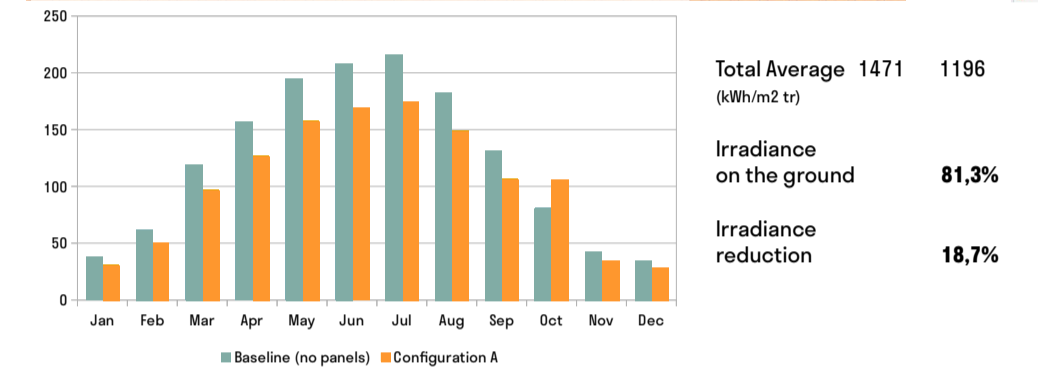
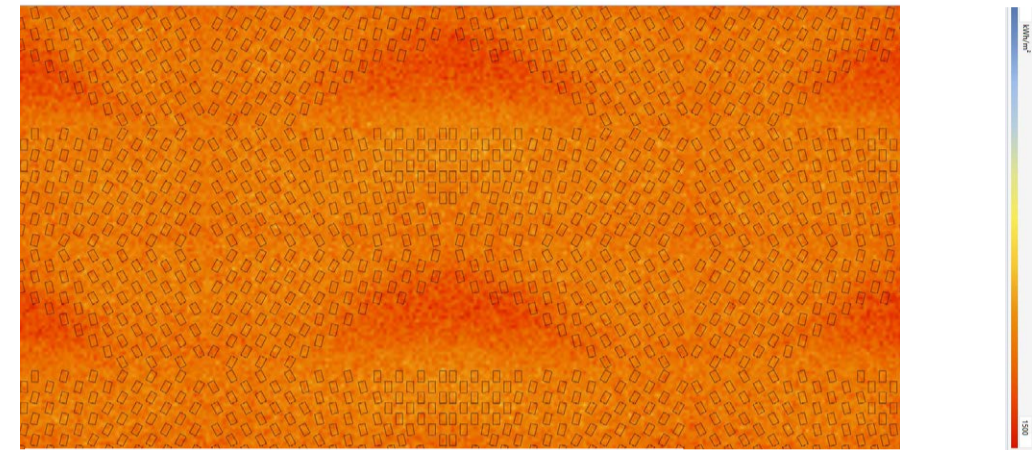
4 Electric diagram

## Climate change model

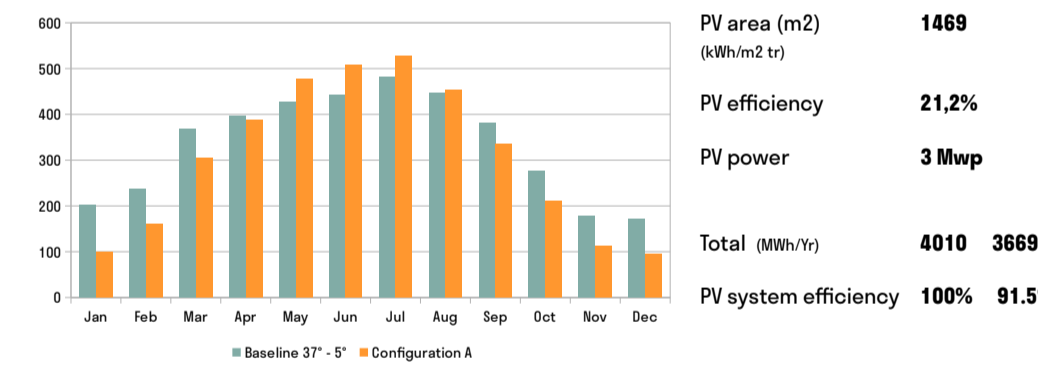
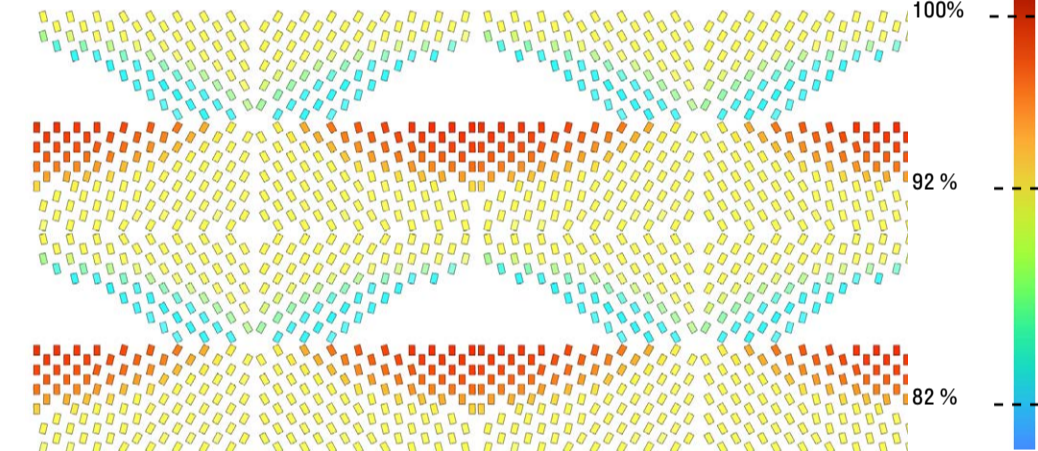


## Solar model

Irradiance reduction -18,7%



## PV Production simulation 91,5%



## Experience