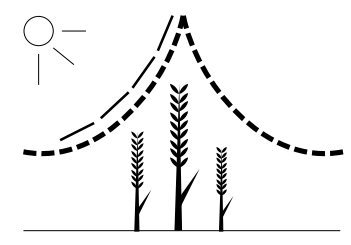


02_A - GRID

Agrivoltaics and agricultural production



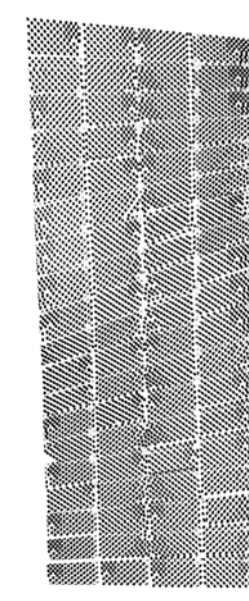
Agrivoltaics for Noah's ark
Fabiano Spano architect



Site_General Data

Plot surface
86.245 m²

Rice production
517 t (86.245 x 6)



Project_PV Data

Production
3 MWp

Cover
21,7 %

Total power
3.669 MWh / Yr



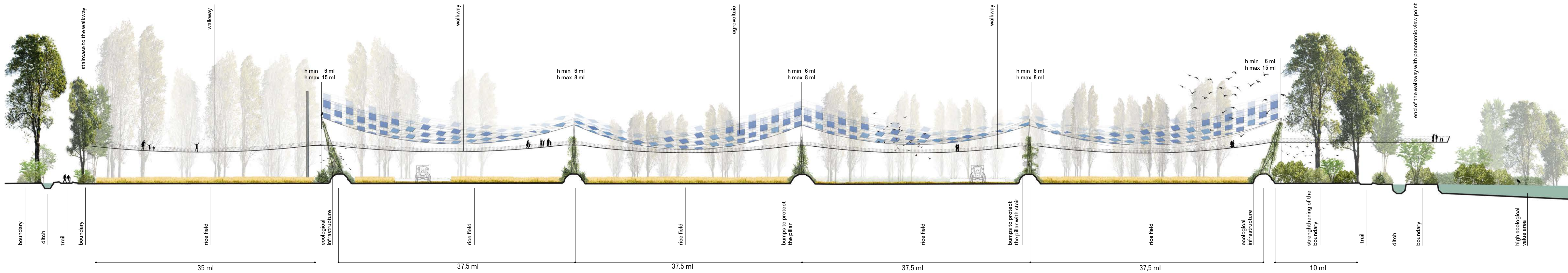
Project_Rice field

Rice field surface
82.029 m²

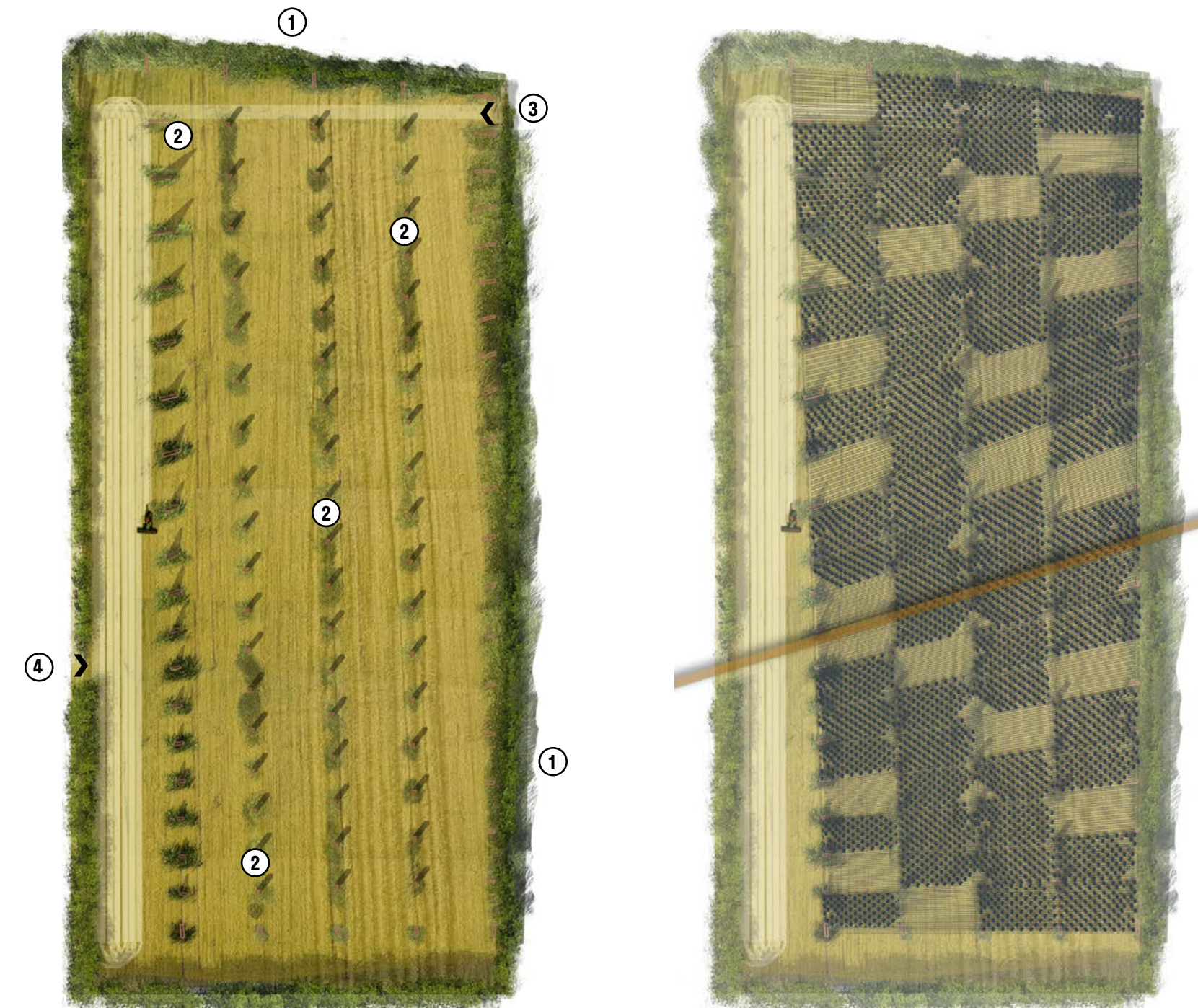
Rice production
451 t (82.029x5,5)

Ecological infrastructure
6.216 m²

Tensile model



Production model



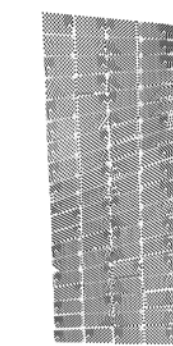
Project_Level 1

① ② New plantings

- Acer campestre
- Cornus sanguinea
- Alnus glutinosa
- Corylus avellana
- Betula pendula
- Euonymus europaeus
- Fraxinus ornus
- Frangula alnus
- Prunus avium
- Ligustrum vulgare
- Quercus cerris
- Prunus spinosa
- Salix alba
- Salix cinerea
- Ulmus minor
- Viburnum opulus

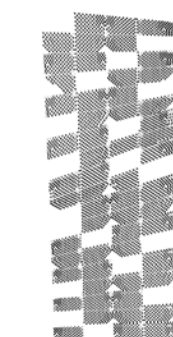
③ Vehicle gate ④ Pedestrian gate

Project_level 2 PV Data



Configuration A 3 MWp
System surface : 64.754 m²
PV panels surface : 14.069 m²
Cover : 21,7 %

Arrays n° : 76
Sub - fields n° : 19
PV Panels : 7904 x 380 Wp
Total power generated : 3669 MWh / Yr



Configuration B 2,25 MWp
System surface : 51.948 M²
PV panels surface : 10.551 m²
Cover : 20,3 %

Arrays n° : 57
Sub - fields n° : 19
PV Panels : 5928 x 380 Wp
Total power generated : 2752 MWh / Yr

