



LIFE AGRESTIC

Reduction of Agricultural GReenhouse gases EmiSsions
Through Innovative Cropping systems
LIFE17 CCM/IT/000062

Action C.3 - Cropping systems in demonstration sites

Horta srl
Via Sant'Alberto 327, Ravenna
7-8 luglio 2019
2° VISITA DI MONITORAGGIO



Action C.3 - Cropping systems in demonstration sites

Sub-action C3.1 – Cropping systems management

- HORTA defined the agronomic protocols for the management of plots for both N- and C- Efficient Cropping System (ECS) and Conventional Cropping System (CCS).
- Agronomic operations will be carried out by the farmers with the supervision of HORTA in E1 and E3, and SSSA in E2.
- In particular, for ECSs all crop operations will be carried out according to alerts/outputs provided by Horta DSS



Action C.3 - Cropping systems in demonstration sites

Sub-action C3.2 – Data collection and analysis

HORTA (for E1 and E3) and SSSA (for E2) will collect data about:

- yield performances (for all of the crops, for each crop a list of relevant data is defined)
- growth and phenotypic characteristics of cultivated species and catch crops (growth stages, biomass of product and residues, C and N content)
- external inputs for cultivation (technical inputs, energy and manpower)
- weather conditions (rain, leaf wetness duration, air temperature, relative humidity, wind and solar radiation)
- soil characteristics



Action C.3 - Ravenna

Intercropping catch crop in wheat



Pea plot march 2020



Tomato plot may 2020



Maize and Pea plots may 2020



Action C.3 – Pisa June 2020

Chickpea



Sunflower



Wheat and intercropping catch crop



Maize



Barley and intercropping catch crop



Action C.3 – Foggia

Sunflower June 2020
CCS ECS



Wheat and intercropping catch crop



Barley and Lentil plots

