# SoilCare plenary meeting 2018 May $29^{\text {th }}$ - June $1^{\text {st }}$, Billund (DK) 

## CASE STUDY:

9 - Italy, Veneto Region
PRINCIPAL SOIL THREATS: soil organic
matter loss

## SICS:

Combining conservation agriculture practices with deep rooting cover crop (e.g. tillage radish) to improve crop performances in NE Italy

## STUDY SITE:

- 2 agronomic managements
- conventional tillage (CV), conservation agriculture (CA)
- 2 soil covering types
- deep-rooting cover crop (DR-CC) vs bare soil
- 2 replicates (rep. 1, rep. 2)

- Main crop: maize


## WP3: STAKEHOLDER INVOLVEMENT

Main bullet points of discussion:

- Tillage radish establishment in silty soils: seeding and germination issues
- Tillage radish life cycle as related to maize one: obstacles and possible issues
- Challenges of no-tillage management adoption and weed control in sub humid climate: is it possible to apply no-tillage management without the use of glyphosate?

WP4/5: ASSESSMENT METHODOLOGY AND MONITORING

- Soil organic carbon (SOC) $\rightarrow$ Modified Walkley-Black method
- Soil compaction (bulk density «BD», penetration resistance «PR»)
- BD $\rightarrow$ core method
- PR $\rightarrow$ digital cone-penetrometer
- Crop yield: at harvest
- Crop biomass: dry weight (1 $\mathrm{m}^{2}$ estimation)
- Soil cover (photography, $1 \mathrm{~m}^{2}$ )


## WP7: POLICY ANALYSIS

- Interview (academic, regional and national policymakers)
- Contribution to local regulation review

