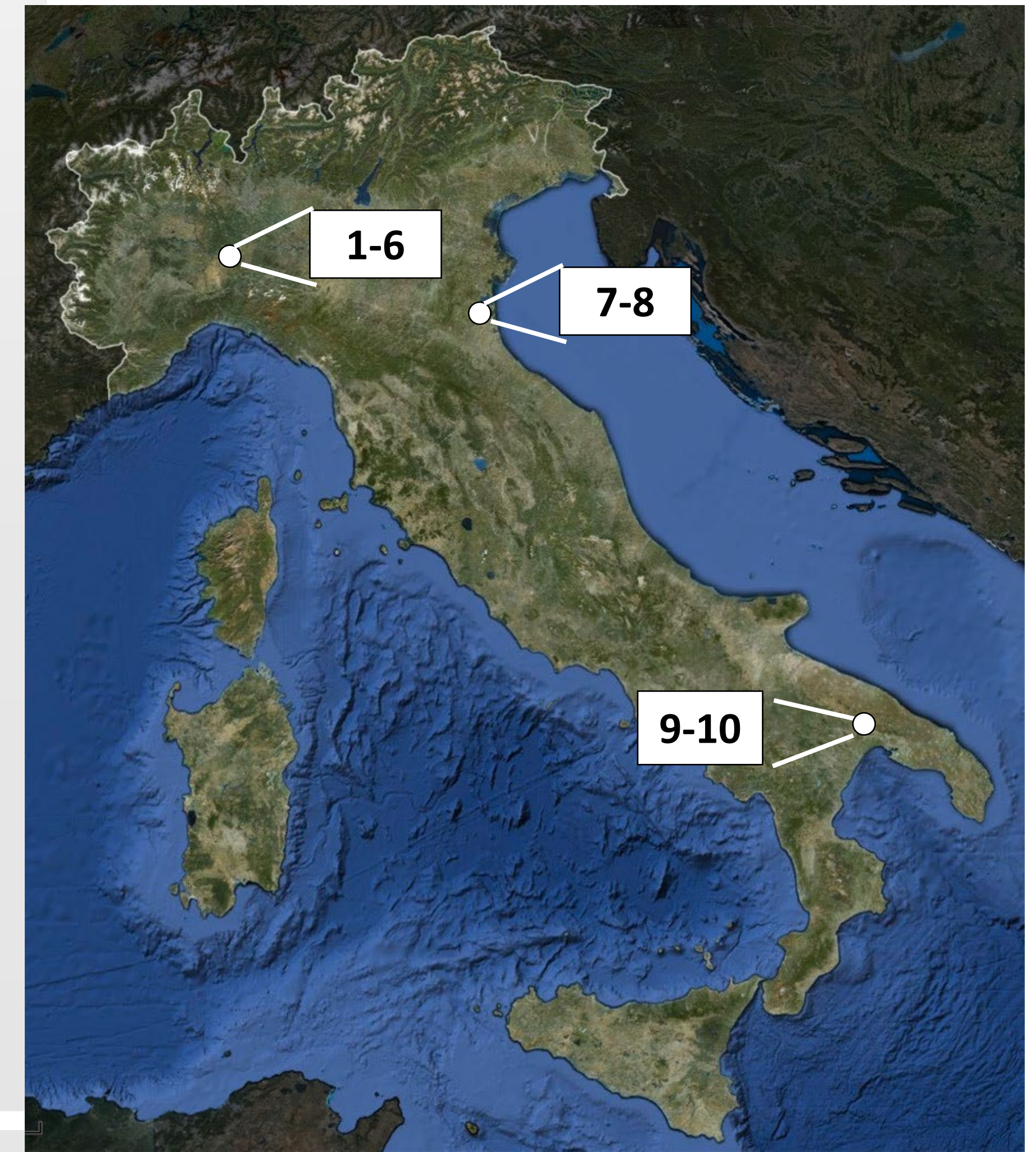


Responsible partner: Università Cattolica del Sacro Cuore; Novamont S.p.A.

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Biogeographical type: continental region

- a) Humid subtropical
- b) Temperate subcontinental

Area description, history and existing data: vegetable crops and vineyards (NVM), cereals, industrial tomato, biogas farms, and energy crops (UCSC)

Farms description:

Farm # (Management)	Main crop per field (Cropping system category)	Soil texture	Plastic use history (intentional)	Secondary sources of plastic	Other potential contaminants
1. (Conv) C	Cereals - tomato	Silty clay	Irrigation pipes (>20 years)	Tomato seedlings trays	Pesticides and herbicides
2. (Conv) C	Cereals - tomato	Sandy loamy	Irrigation pipes (>20 years)	Tomato seedlings trays; a river nearby one field; digestate application	Pesticides and herbicides
3. (Conv) C	Cereals - tomato	Silty clay loam	Irrigation pipes (>20 years)	Tomato seedlings trays; roads nearby the fields; manure, sludge, and compost application	Pesticides and herbicides
4. (Conv) C	Cereals - tomato	Silty clay loam	Irrigation pipes (>20 years)	None	Pesticides and herbicides
5. (Conv) C	Cereals - tomato	Silty loamy	Irrigation pipes (>20 years)	Tomato seedlings trays; roads nearby one field	Pesticides and herbicides
6. (Org)	Bioenergy crops (V); officinal herbs	Silty clay loamy	Plastic mulch	Urban area nearby the fields	None
7. (Org)	1. 2. Vegetables (V)	Medium-texture	Bio mulch film, drip tubes (> 10 years)	Harvest boxes	None
8. (Org)	1. Asparagus (V) 2. Tomato (V)	Sandy	1. None 2. Bio mulch film, drip tubes (> 10 years)	Packaging (fertilizer), road nearby the fields	None
9. (Conv)	1. Oat (C) 2. Vineyard (W)	Sandy-loam	1. None 2. Cover film, drip tubes, ropes (> 5 years)	Packaging (agrochemicals and fertilizer), road nearby the fields, compost	Pesticides
10. (Org)	1. 2. Vineyard (W)	Coarse-texture	Cover film, drip tubes, ropes (> 5 years)	Packaging (fertilizer), compost	None

Management: Conv conventional ; Org: organic ; Trans: transition from conventional to organic
Cropping system categories: C: Cereals dominated ; V:Vegetables dominated ; W: Woody plants



Industrial tomato field , Farm 3



Silage maize in biogas, Farm 2

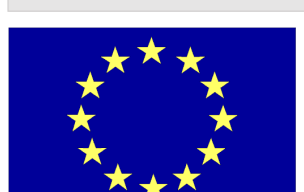


Officinal herbs, Farm 6



Vineyard, Farm 9

Stakeholders: CIO pomodoro (Tomato Inter-regional horticultural and fruit production Consortium), Coldiretti, FederBio



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