

Responsible partner: CHQ Technologies

Contact person:

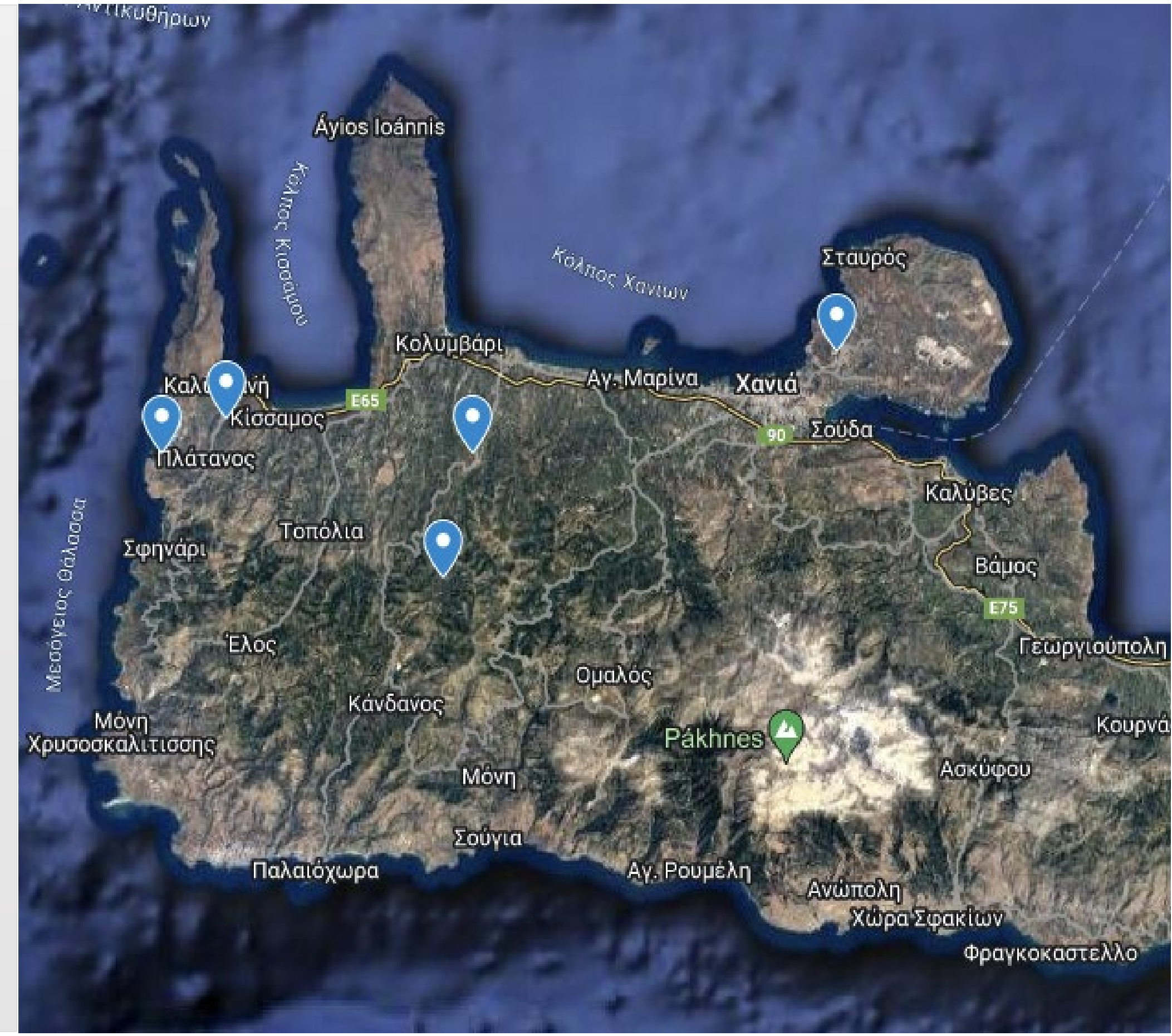
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Biogeographical type: Mediterranean

Area description, history and existing data: Northern and central part of Chania Prefecture. The area is characterized by moderate mediterranean climate, with a mean temperature of 17.2°C and mean annual precipitation of 853 mm.



Main objectives : To assess the concentration, type and impact of microplastics in soils due to greenhouse cover and collection nets in olives and vegetable crops from Greece.

Farms description:

Farm	Crop rotation	Soil	Plastic use history (intentional)	Secondary sources of plastic sources
Farm 1 (C)	Olive trees	Loamy Sand	Olive beating equipment, nets	Water bottles, food packaging
Farm 2 (C)	Olive trees	Loamy Sand	Olive beating equipment, nets	Road, water bottles, food packaging
Farm 3 (C)	Olive trees	Loamy Sand	Olive beating equipment, nets	Water bottles, food packaging
Farm 4 (C)	Olive trees	Sandy Loam	Olive beating equipment, nets, irrigation pipes	Road, water bottles, food packaging
Farm 5 (C)	Olive trees	Loamy Sand	Olive beating equipment, nets, irrigation pipes	Water bottles, food packaging
Farm 6 (C)	tomato / onion - chicory	Sandy Loam	irrigation pipes, ties, sticks	Road, water bottles, food packaging
Farm 7 (C)	tomato / onion - chicory	Sandy Loam	irrigation pipes, ties, sticks	Road, water bottles, food packaging
Farm 8 (C)	tomato - cucumber	Sandy Clay Loam	plastic cover, solar disinfection mulch, irrigation pipes, ties, sticks	Water bottles, food packaging
Farm 9 (C)	tomato - cucumber	Sandy Loam	plastic cover, solar disinfection mulch, irrigation pipes, ties, sticks	Water bottles, food packaging
Farm 10 (C)	tomato - cucumber - peppers	Sandy Loam	plastic cover, solar disinfection mulch, irrigation pipes, ties, sticks	Water bottles, food packaging

C: conventional – O: organic – T: transition from conventional to organic



Greenhouse interior in Falasarna.



Olive grove in Kolympari.



Field work in progress.

Involved stakeholders: Farmers, farmer's associations, agronomists, plastics producers (Plastika Kritis S.A., Plastika Farsalon – Europlast S.A.), research institutes