

Table S1. Corine Land Cover classes present in the scene and the categorical value of LULC score attributed according to the CLC type.

CLC Level 1	CLC Label 2	CLC Label 3	LULC Value
Artificial surfaces	Urban fabric	Continuous urban fabric	0
Artificial surfaces	Urban fabric	Discontinuous urban fabric	0
Artificial surfaces	Industrial, commercial and transport units	Industrial or commercial units	0
Artificial surfaces	Industrial, commercial and transport units	Road and rail networks and associated land	0
Artificial surfaces	Industrial, commercial and transport units	Port areas	0
Artificial surfaces	Industrial, commercial and transport units	Airports	0
Artificial surfaces	Mine, dump and construction sites	Mineral extraction sites	0
Artificial surfaces	Mine, dump and construction sites	Dump sites	0
Artificial surfaces	Mine, dump and construction sites	Construction sites	0
Artificial surfaces	Artificial, non-agricultural vegetated areas	Green urban areas	1
Artificial surfaces	Artificial, non-agricultural vegetated areas	Sport and leisure facilities	0
Agricultural areas	Arable land	Non-irrigated arable land	3
Agricultural areas	Arable land	Permanently irrigated land	1
Agricultural areas	Arable land	Rice fields	1
Agricultural areas	Permanent crops	Vineyards	2
Agricultural areas	Permanent crops	Fruit trees and berry plantations	2
Agricultural areas	Permanent crops	Olive groves	2
Agricultural areas	Pastures	Pastures	2
Agricultural areas	Heterogeneous agricultural areas	Annual crops associated with permanent crops	3
Agricultural areas	Heterogeneous agricultural areas	Complex cultivation patterns	3
Agricultural areas	Heterogeneous agricultural areas	Land principally occupied by agriculture, with significant areas of natural vegetation	3
Agricultural areas	Heterogeneous agricultural areas	Agro-forestry areas	3
Forest and semi natural areas	Forests	Broad-leaved forest	4
Forest and semi natural areas	Forests	Coniferous forest	4
Forest and semi natural areas	Forests	Mixed forest	4
Forest and semi natural areas	Scrub and/or herbaceous vegetation associations	Natural grasslands	3
Forest and semi natural areas	Scrub and/or herbaceous vegetation associations	Moors and heathland	3
Forest and semi natural areas	Scrub and/or herbaceous vegetation associations	Sclerophyllous vegetation	3
Forest and semi natural areas	Scrub and/or herbaceous vegetation associations	Transitional woodland-shrub	3

Forest and semi natural areas	Open spaces with little or no vegetation	Beaches, dunes, sands	0
Forest and semi natural areas	Open spaces with little or no vegetation	Bare rocks	0
Forest and semi natural areas	Open spaces with little or no vegetation	Sparsely vegetated areas	1
Forest and semi natural areas	Open spaces with little or no vegetation	Burnt areas	2
Forest and semi natural areas	Open spaces with little or no vegetation	Glaciers and perpetual snow	0
Wetlands	Inland wetlands	Inland marshes	2
Wetlands	Inland wetlands	Peat bogs	2
Wetlands	Maritime wetlands	Salt marshes	1
Wetlands	Maritime wetlands	Salines	1
Wetlands	Maritime wetlands	Intertidal flats	1
Water bodies	Inland waters	Water courses	0
Water bodies	Inland waters	Water bodies	0
Water bodies	Marine waters	Coastal lagoons	0
Water bodies	Marine waters	Estuaries	0
Water bodies	Marine waters	Sea and ocean	0
NoData	NoData	NoData	0
Unclassified	Unclassified land surface	Unclassified land surface	0
Unclassified	Unclassified water bodies	Unclassified water bodies	0
Unclassified	Unclassified	Unclassified	0