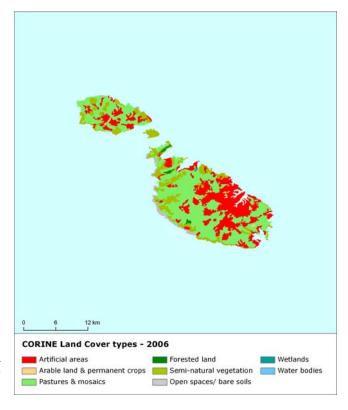
Land cover 2006

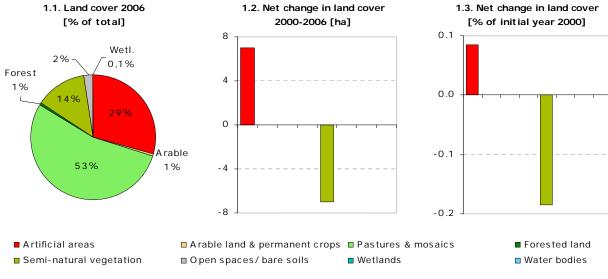
Overview of land cover & change 2000-2006

The Mediterranean landscape which covers Malta islands consists mainly of agricultural areas with natural vegetation and sclerophyllous vegetation areas, with high share of artificial land cover (29%) on total country area.

Comparing to the previous period 1990-2000 in which some artificial development was detected, the landscape change during 2000-2006 is negligible. Only one polygon changed during 2000-2006, covering 7 hectares. It indicates either high stability of landscape in Malta or the changes in such a small country occurs at a scale below change detection threshold of the CLC data. The only change mapped for period 2000-2006 was the formation of dump site over sclerophyllous vegetation



Note: The results presented here are based on a change analysis of 44 land cover types mapped consistently on a 1:100.000 scale across Europe over almost two decades 1990-2006 - see Corine land cover (CLC) programme for details. Number of years between CLC2000-CLC2006 data for Malta: 6



Summary balance table 20	000-2006	5							
	Artificial areas	Arable land & permanent crops	Pastures & mosaics	Forested land	Semi-natural vegetation	Open spaces/ bare soils	Wetlands	Water bodies	TOTAL [hundreds ha]
Land cover 2000	82	2	149	2	38	6	0	0	278
Consumption of initial LC	0	0	0	0	0	0	0	0	0
Formation of new LC	0	0	0	0	0	0	0	0	0
Net Formation of LC	0	0	0	0	0	0	0	0	0
Net formation as % of initial year	0.1	0.0	0.0	0.0	-0.2	0.0	0.0	#DIV/0!	
Total turnover of LC	0	0	0	0	0	0	0	0	0
Total turnover as % of initial year	0.1	0.0	0.0	0.0	0.2	0.0	0.0	#DIV/0!	0.1

vegetation

Open spaces

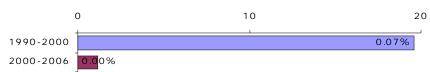
/ bare soils

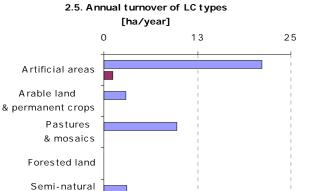
Water bodies

Wetlands

Land cover trends comparison 1990-2000 vs. 2000-2006

2.4. Annual land cover change [ha/year, % of total area]

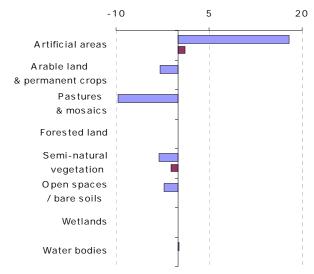




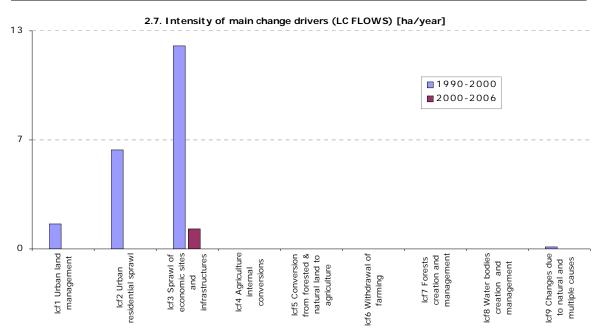
1990-2000

2000-2006

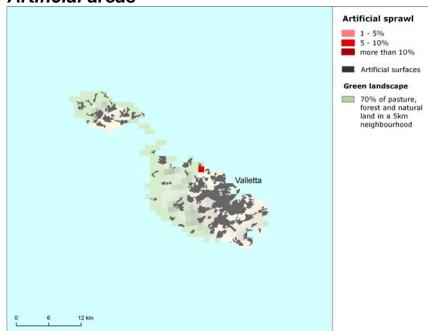
2.6. Net annual change of LC types [ha/year]

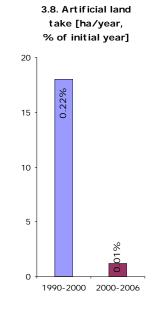


Summary trend figures	1990-2000	2000-2006
Annual land cover change [ha/year]	20	1
Annual land cover change as % of initial year	0.07%	0.00%
Land uptake by artificial development as mean annual change [ha/year]	18	1
Agricultural land uptake by urban and infrastructures development as mean annual change [ha/year]	13	0
Net uptake of forests and semi-natural land by agriculture as mean annual change [ha/year]	0	0
Net conversion from pasture to arable land and permanent crops as mean annual change [ha/year]	0	0
Forest & other woodland net formation as mean annual change [ha/year]	0	0
Dry semi-natural land cover net formation as mean annual change [ha/year]	-5	-1
Wetlands & water bodies net formation as mean annual change [ha/year]	0	0



Artificial areas

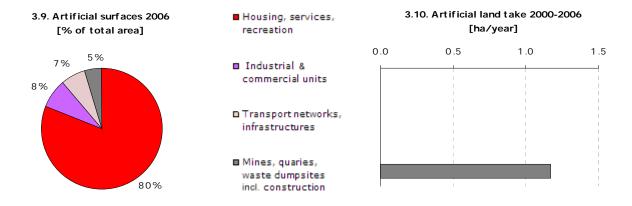


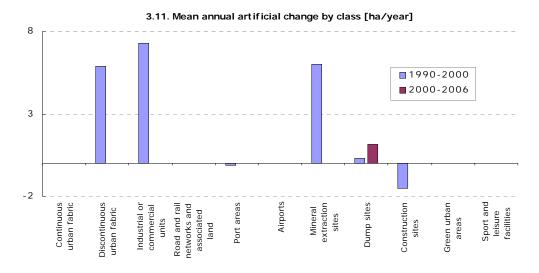


No major artificial development, dump site creation

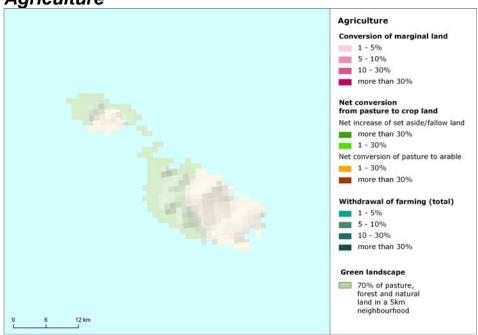
Compared to the situation during 1990-2000, during which some urban development (namely extension of industrial/commercial sites, discontinuous urban fabric and mineral extraction sites, together with recycling of developed urban land) has been observed, artificial sprawl has not been detected in Malta during 2000-2006.

There was only one change, represented by creation of dump site over sclerophyllous vegetation area. This change covers only 7 hectares.





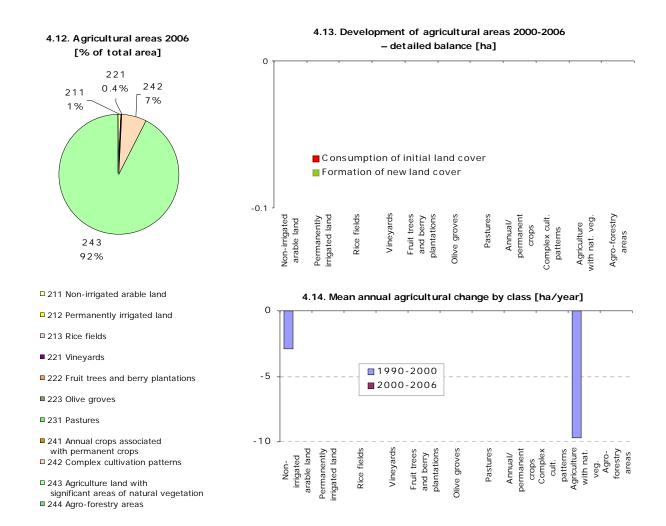
Agriculture



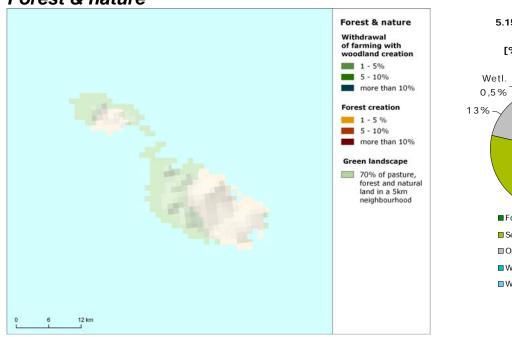
No change in agricultural land cover

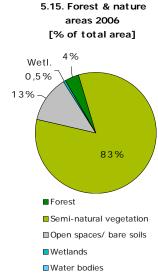
Agricultural land of Malta consists predominantly of agricultural land with significant areas of natural vegetation and to a lesser extent of complex cultivation patterns, with only negligible share of arable land and vineyards.

No changes of agricultural land have been detected in frame of CLC 2000-2006 change mapping.



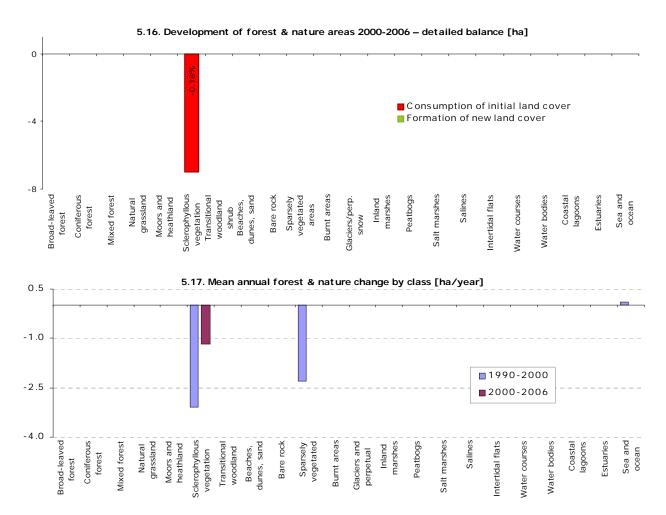
Forest & nature





Natural areas almost without change

Natural areas in Malta are characteristic by dominant share of semi-natural vegetation (represented by sclerophyllous vegetation), followed by sparsely vegetated areas. The only change of natural land cover which has been observed during 2000-2006 is 7 hectares uptake of sclerophyllous vegetation area by extension of dump site near the capital city Valleta.



Annex: Land cover flows and trends

Land cover flows 2000-2006



☐ lcf6 Withdrawal of farming

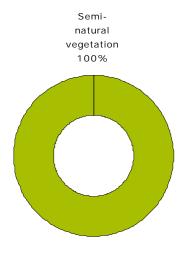
■ lcf7 Forests creation and management

■ Icf8 Water bodies creation and management

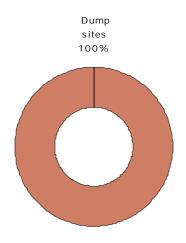
 \blacksquare lcf9 Changes due to natural and multiple causes

Artificial areas

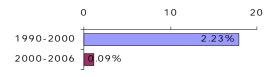
7.21. Consumption by artificial land take 2000-2006 [% of total]



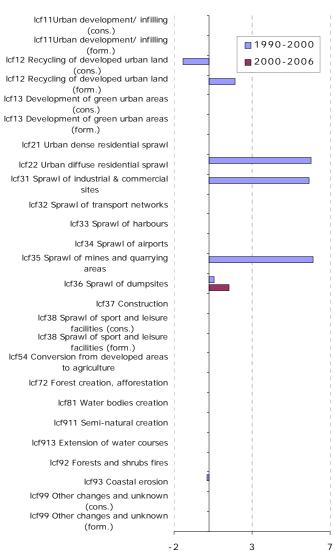
7.22. Formation by artificial land take 2000-2006 [% of total]



7.23. Net formation of artificial area [ha/year, % of initial year]



7.24. Artificial development by change drivers (LC FLOWS) [ha/year]



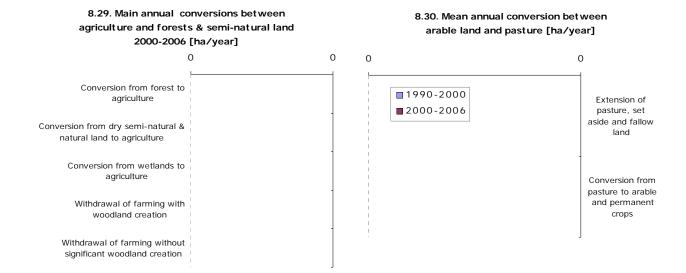
Agriculture

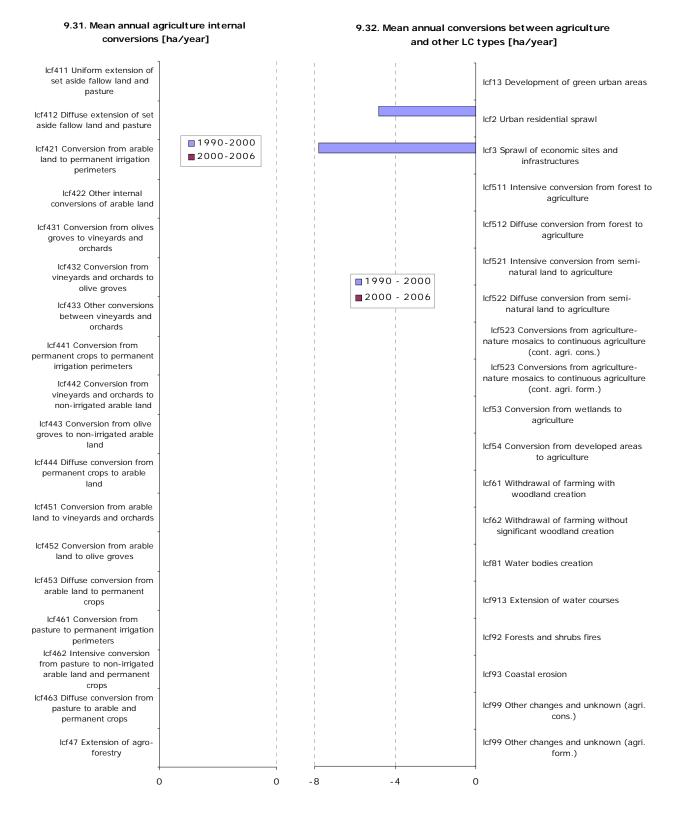
8.25. LC consumed by agriculture 2000-2006 [% of total]

8.26. Formation of agricultural land from non-agriculture 2000-2006 [% of total]

8.27. Consumption of agricultural land by non-agriculture 2000-2006 [% of total]

8.28. Formation of non-agricultural land from agriculture 2000-2006 [% of total]



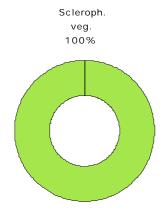


Forest & nature

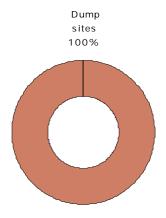
10.33. LC consumed by forest & nature 2000-2006 [% of total]

10.34. Formation of forest & nature land from non-forest /nature 2000-2006 [% of total]

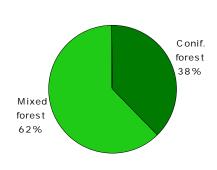
10.35. Consumption of forest & nature land by non-forest/nature 2000-2006 [% of total]



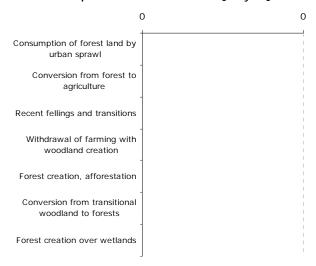
10.36. Formation of non-forest/nature land from forest & nature 2000-2006 [% of total]



10.37. Forested land 2006 [% of total area]



10.38. Main trends in woodland & forests consumption/formation 2000-2006 [ha/year]

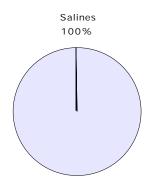


11.39. Dry semi-natural areas 2006 [% of total area]

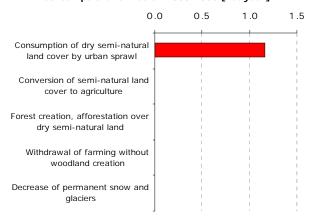


11.41. Wetlands & water 2006

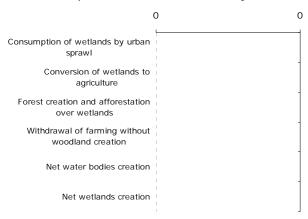
[% of total area]



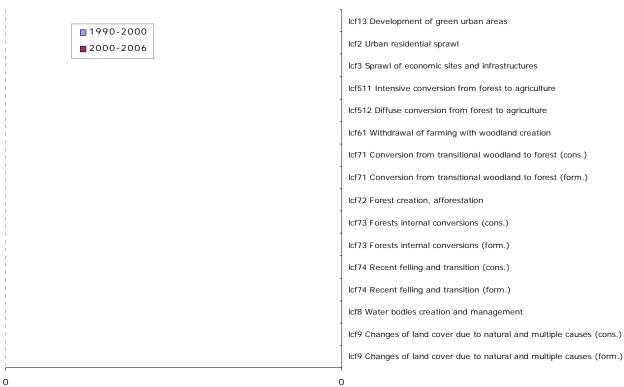
11.40. Main trends in dry semi-natural land consumption/formation 2000-2006 [ha/year]



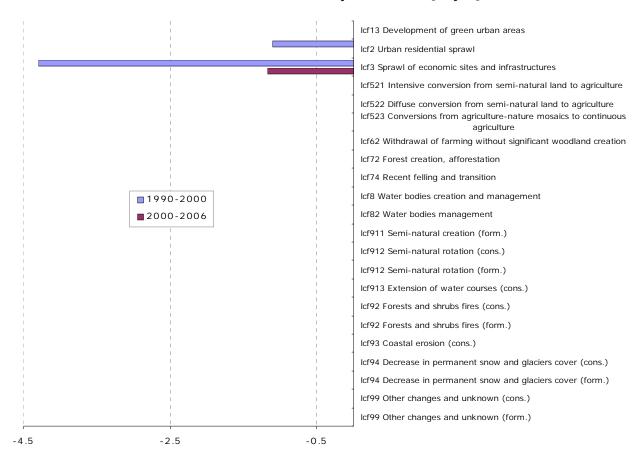
11.42. Main trends in wetlands & water consumption/formation 2000-2006 [ha/year]



11.43. Mean annual conversions of forest & other woodland [ha/year]



12.44. Mean annual conversions of dry semi-natural LC [ha/year]



12.45. Mean annual conversions of wetlands and water LC [ha/year]

