

Land cover 2012



Malta 

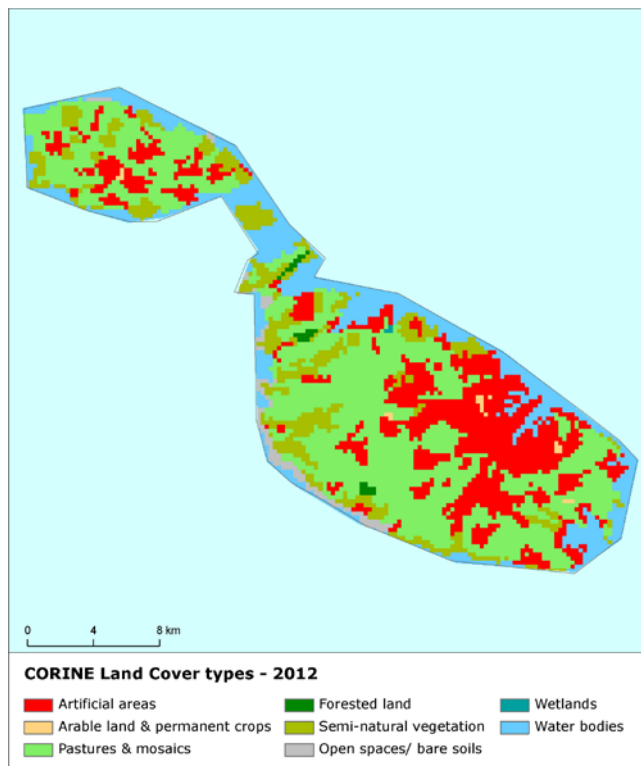
September 2017

Photo: © Toni García, My City/EEA

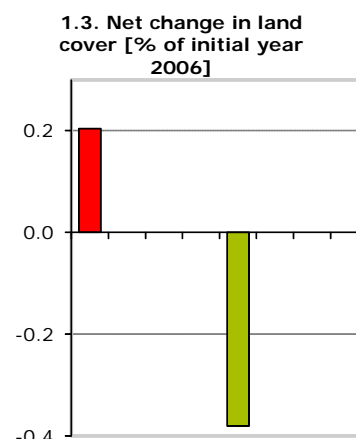
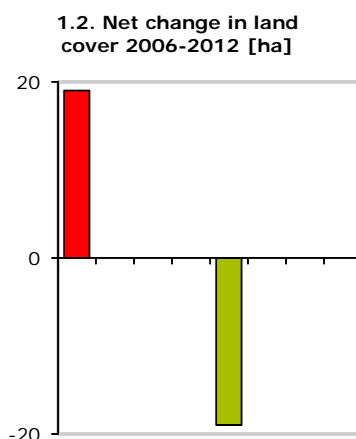
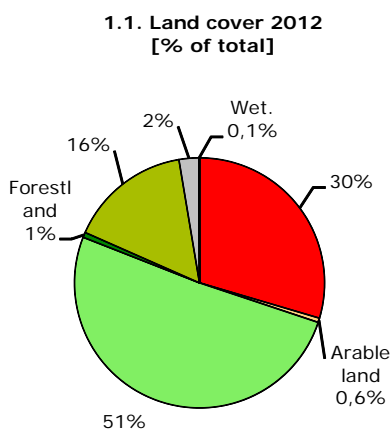
Land cover 2012

Overview of land cover & change 2006-2012

Concerning the land cover development, there occurs no significant changes which would be detectable in the frame of the Corine CLC mapping methodology. The only exception is the formation of a dump site over former semi-natural land, which was observed north-eastern from capital city of Valletta. This conversion is located just beside the location of similar conversion, which was observed during the previous period 2000-2006. Also that one was the only conversion in the period 2000-2006 in the country. This development in last two mapping periods means a stabilization compared to period 1990-2000, during which some land cover development, represented mostly by urban sprawl had been observed in Malta.



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 more than decade between 2000-2006-2012 - see Corine land cover (CLC) programme for details.
Number of years between CLC2006-CLC2012 data for Malta: 6

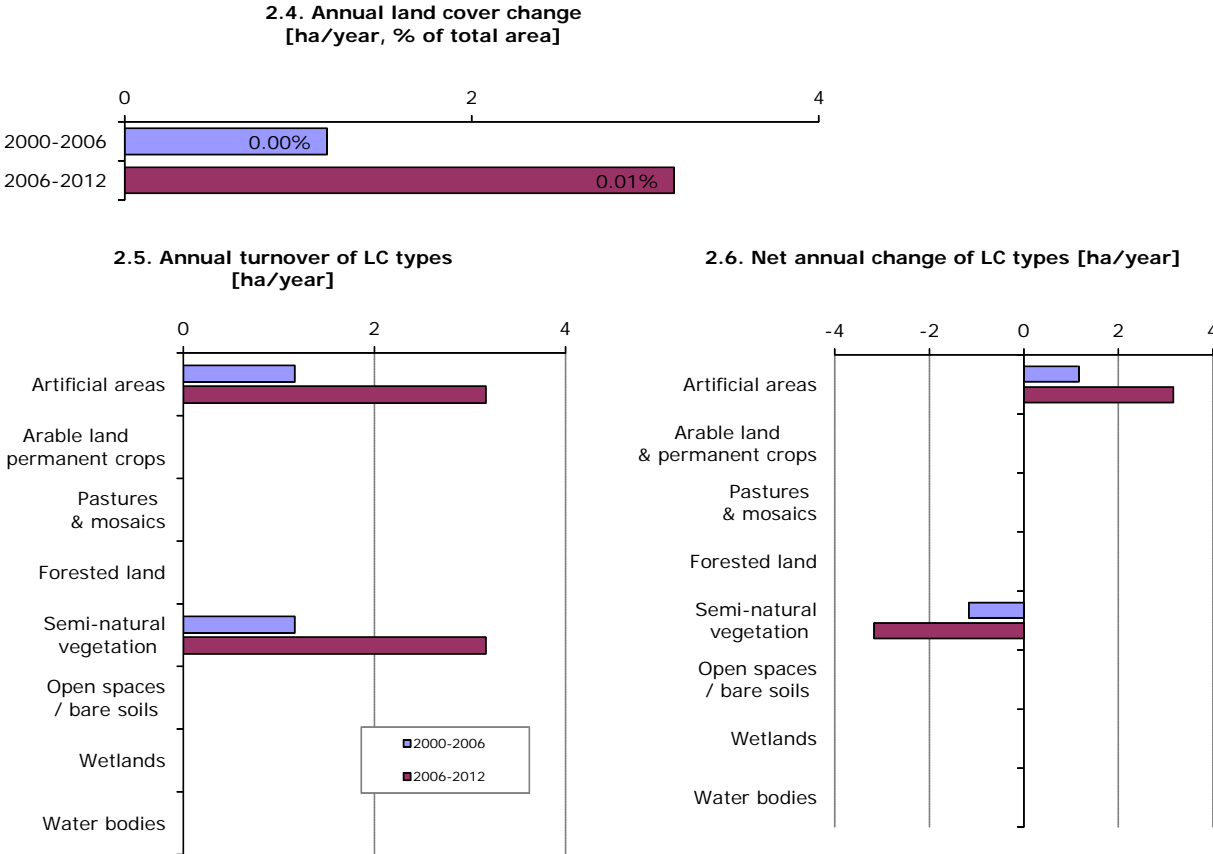


■ Artificial areas
 ■ Arable land & permanent crops
 ■ Pastures & mosaics
 ■ Forested land
■ Semi-natural vegetation
 ■ Open spaces/ bare soils
 ■ Wetlands
 ■ Water bodies

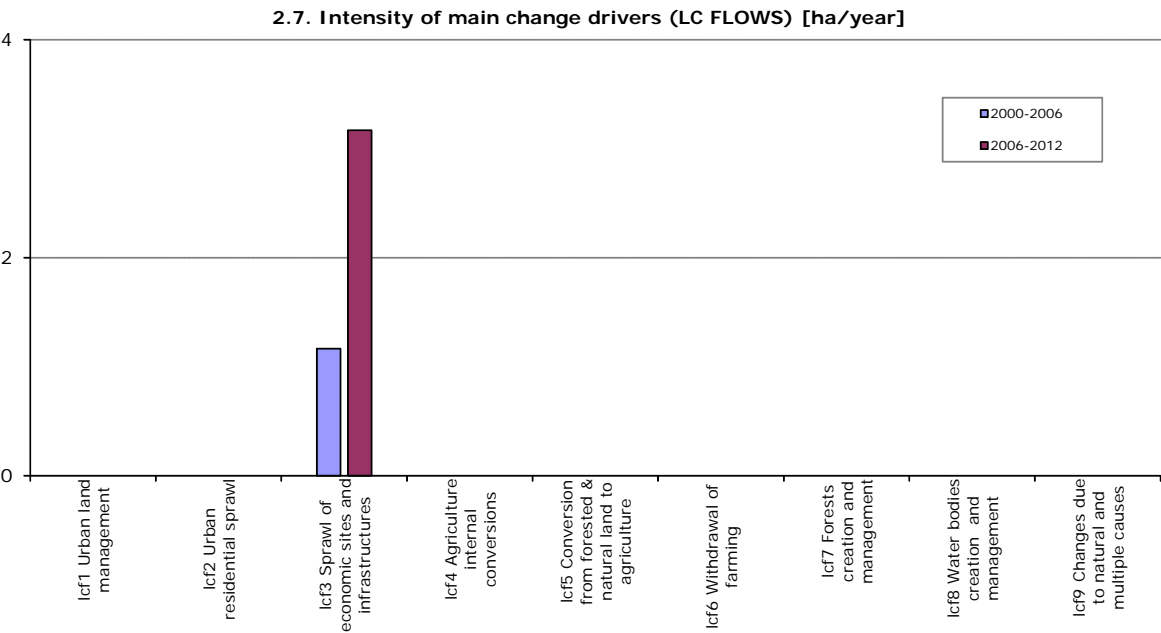
Summary balance table 2006-2012

	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 2006	93	2	160	2	50	8	0	0	316
Consumption of initial LC	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0
Formation of new LC	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Net Formation of LC	0.2	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0
Net formation as % of initial year	0.2	0.0	0.0	0.0	-0.4	0.0	0.0	0.0	
Total turnover of LC	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0
Total turnover as % of initial year	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.1
Land cover 2012	93	2	160	2	50	8	0	0	316

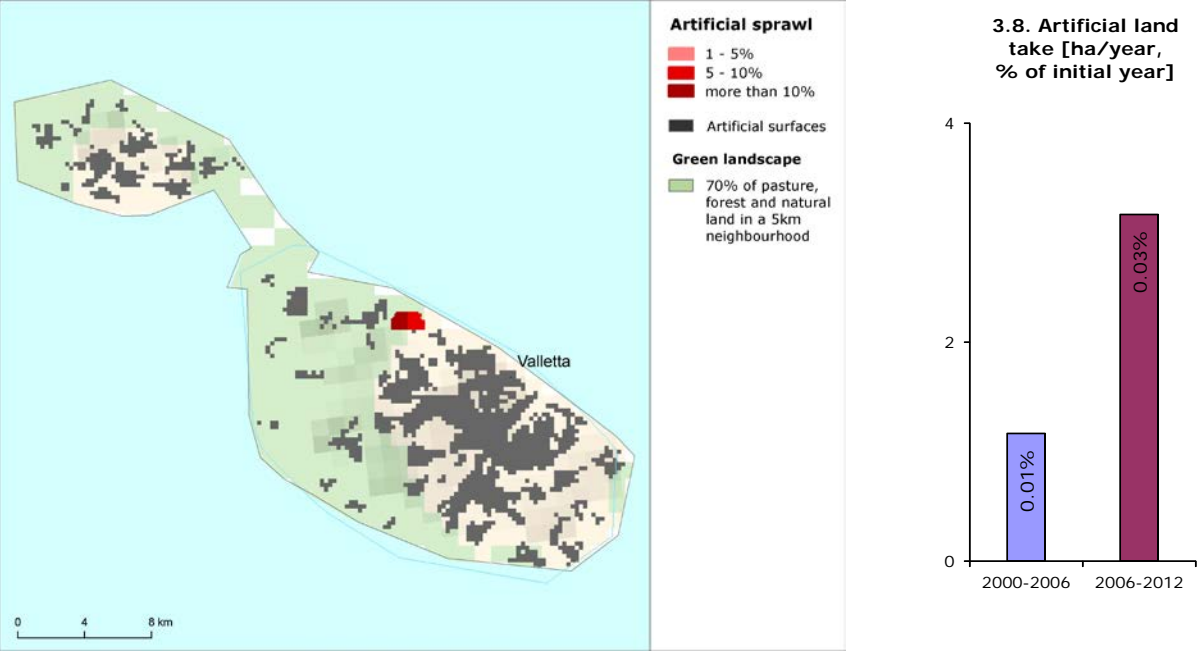
Land cover trends comparison 2000-2006 vs. 2006-2012



Summary trend figures			2000-2006	2006-2012
Annual land cover change [ha/year]			1	3
Annual land cover change as % of initial year			0.00%	0.01%
Land uptake by artificial development as mean annual change [ha/year]			1	3
Agricultural land uptake by urban and infrastructures development as mean annual change [ha/year]			0	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]			-1	-3
Wetlands & water bodies net formation as mean annual change [ha/year]			0	0



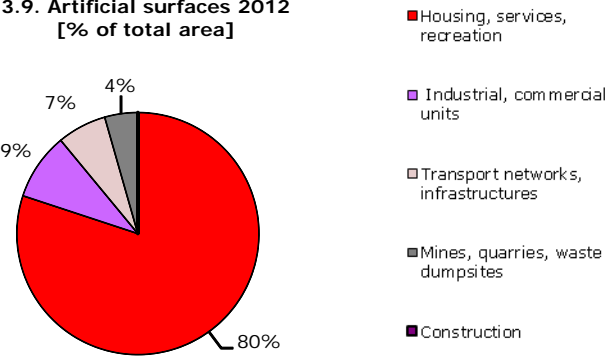
Artificial surfaces sprawl (2006-2012)



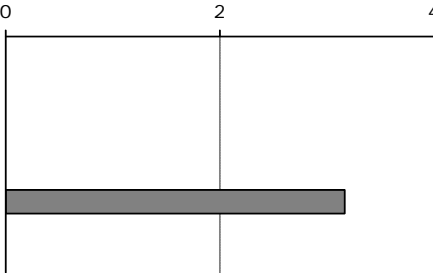
Dump site extension near Valletta

Compared to the previous period, the area of urban land extension is larger, however, as well as in the 2000-2006, it is also represented by only one change polygon, located north-east from the capital city of Valletta. Also the character of this conversion is the same, which means a conversion of semi-natural vegetation to dump site. This development means slowdown of the certain artificial development, which was observed in the country during the period 1990-2000.

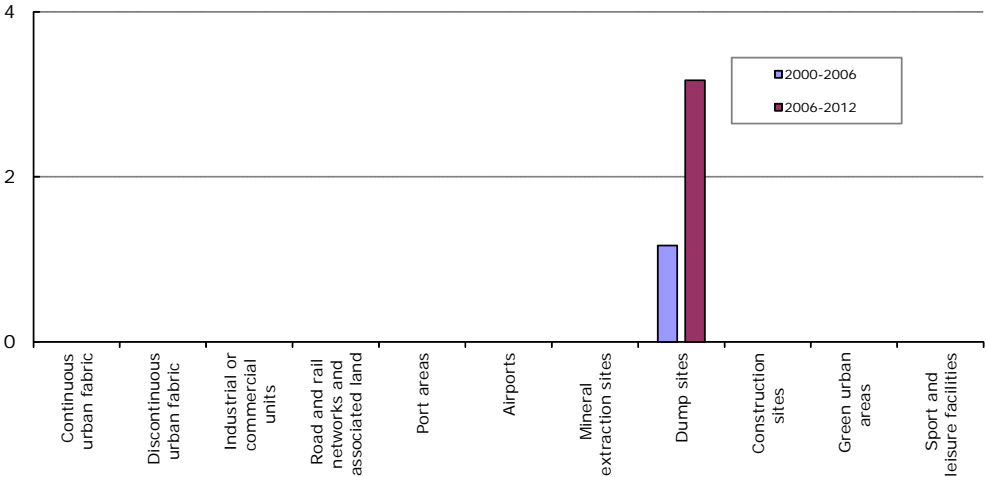
3.9. Artificial surfaces 2012 [% of total area]



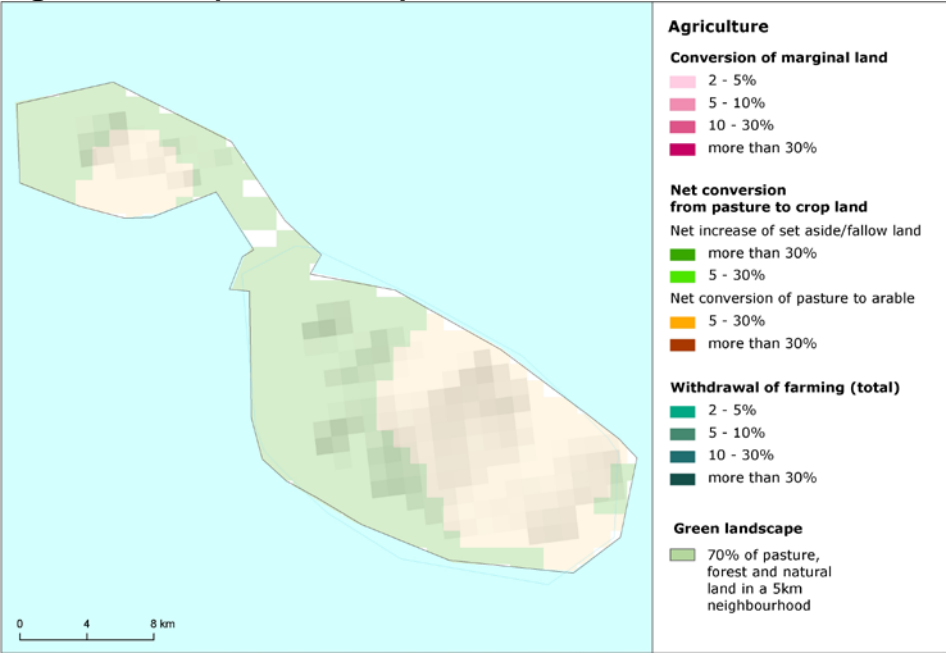
3.10. Artificial land take 2006-2012 [ha/year]



3.11. Mean annual artificial change by class [ha/year]



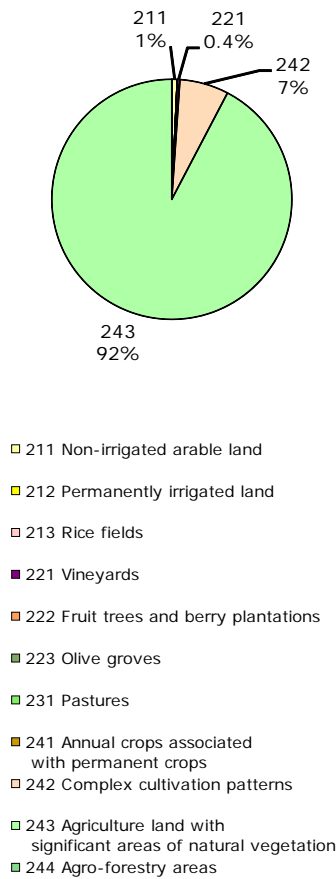
Agriculture (2006-2012)



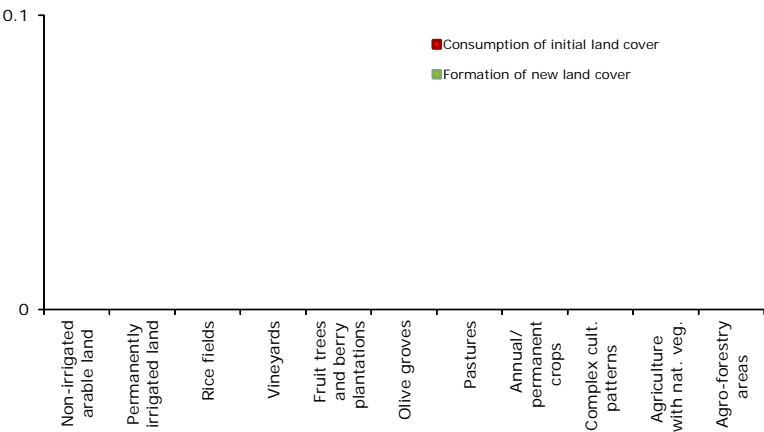
No changes in agricultural land

The 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 the frame of the CLC 2006-2012 change mapping.

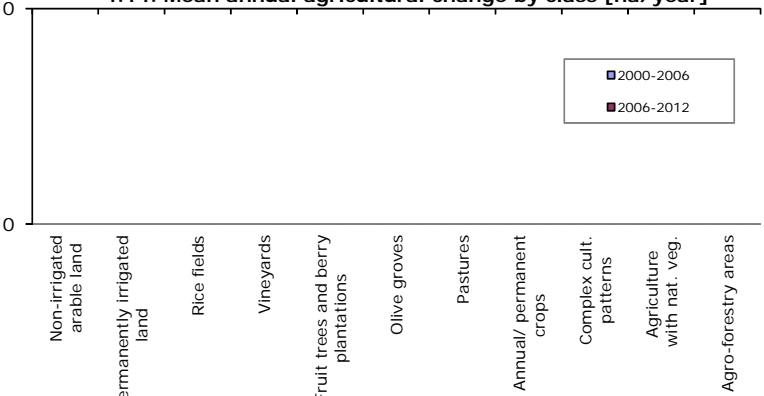
4.12. Agricultural areas 2012 [% of total area]



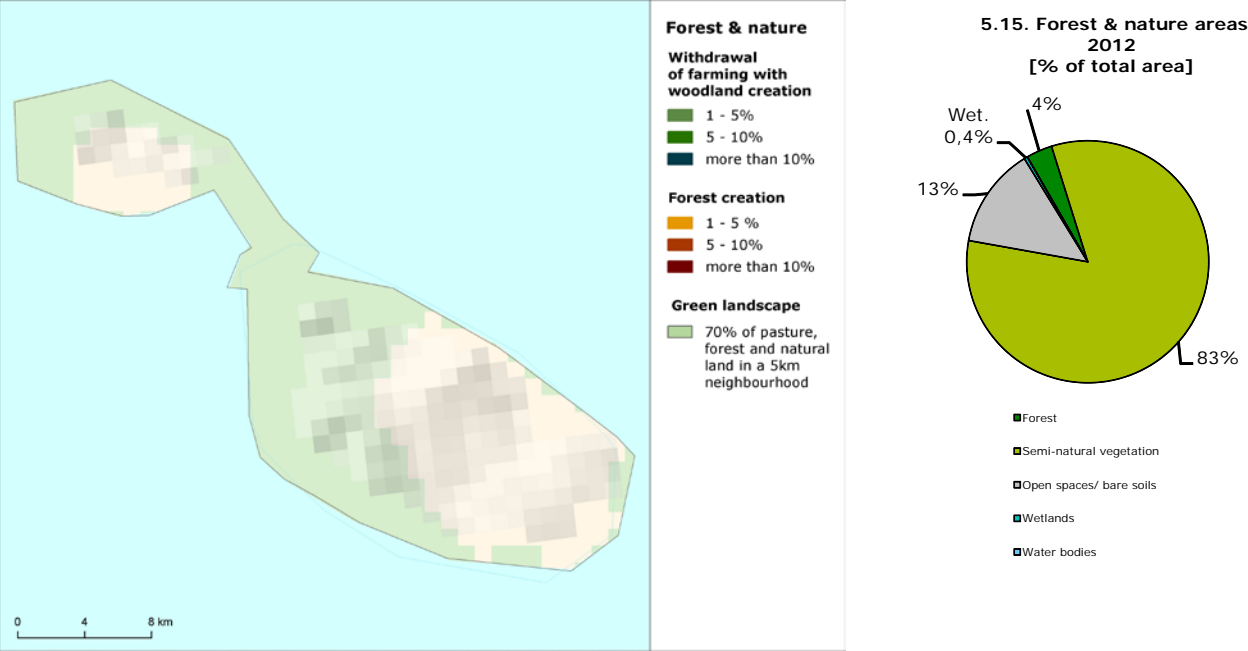
4.13. Development of agricultural areas 2006-2012 – detailed balance [ha]



4.14. Mean annual agricultural change by class [ha/year]



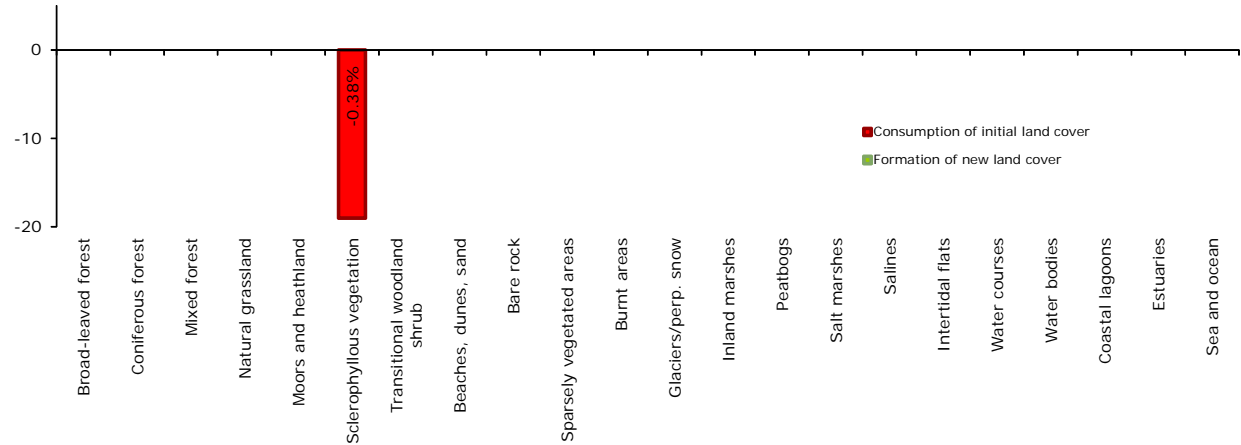
Forest & nature (2006-2012)



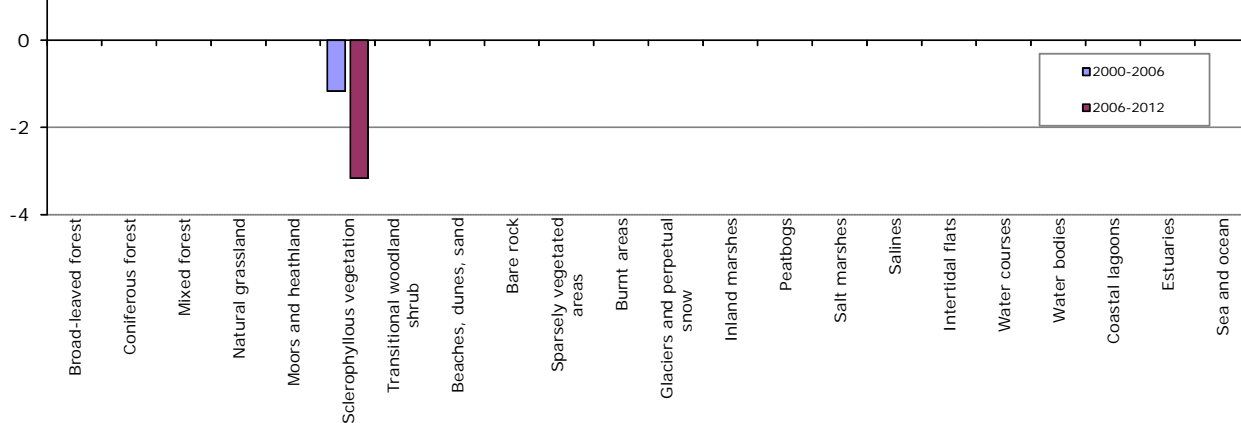
Consumption of semi-natural land by dump site

Natural areas in Malta are characterised 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 2006-2012 is circa 20 hectares uptake of sclerophyllous vegetation area by extension of a dump site near the capital city Valletta. Similar uptake in the same location had been observed also in previous period, however, its extension was smaller – 7 hectares.

5.16. Development of forest & nature areas 2006-2012 – detailed balance [ha]

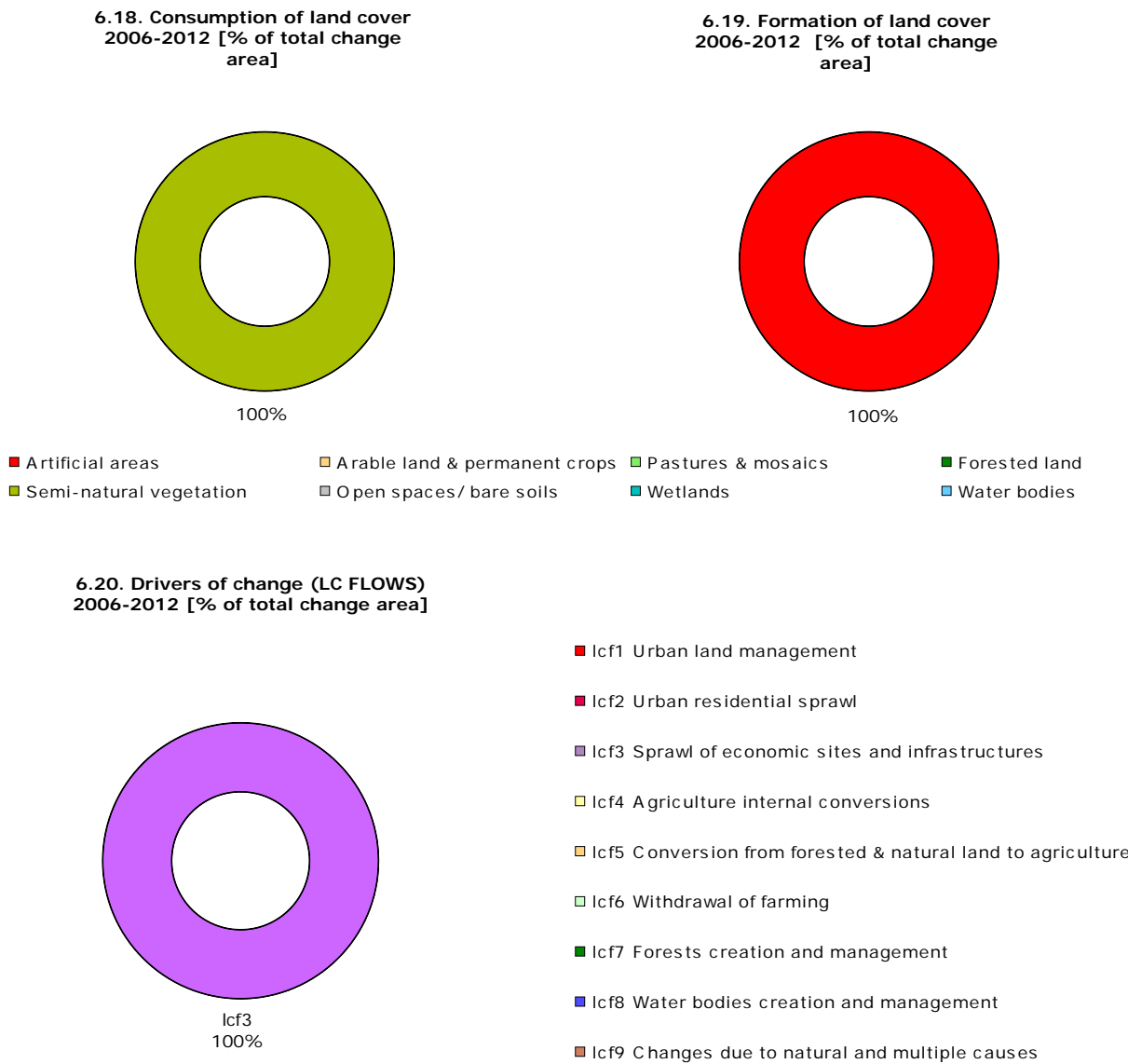


5.17. Mean annual forest & nature change by class [ha/year]



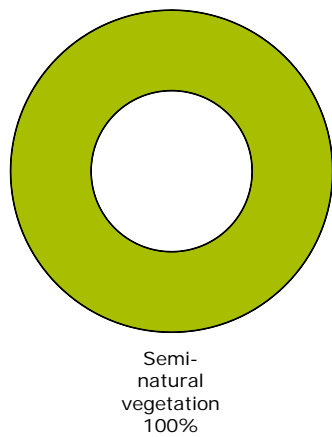
Annex: Land cover flows and trends

Land cover flows 2006-2012

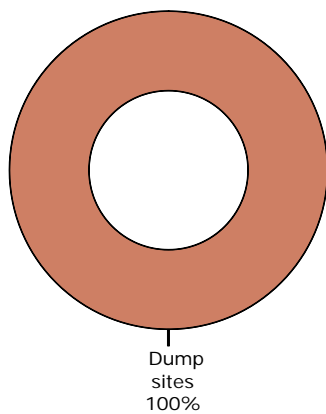


Artificial areas

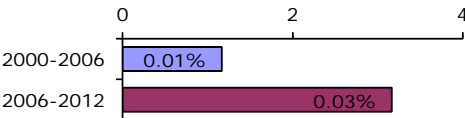
7.21. Consumption by artificial land take
2006-2012 [% of total]



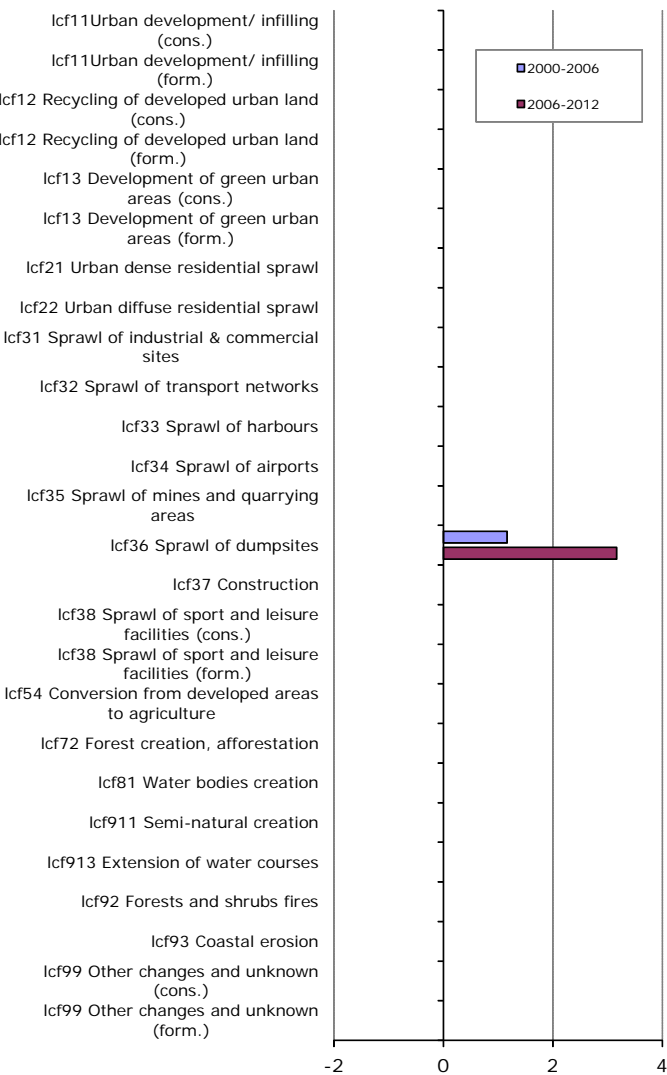
7.22. Formation by artificial land take
2006-2012 [% of total]



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 2006-2012 [% of total]

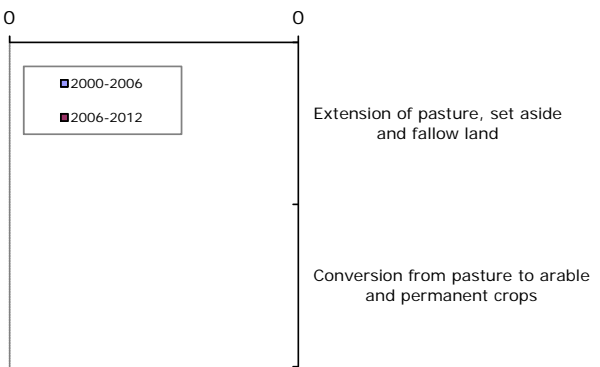
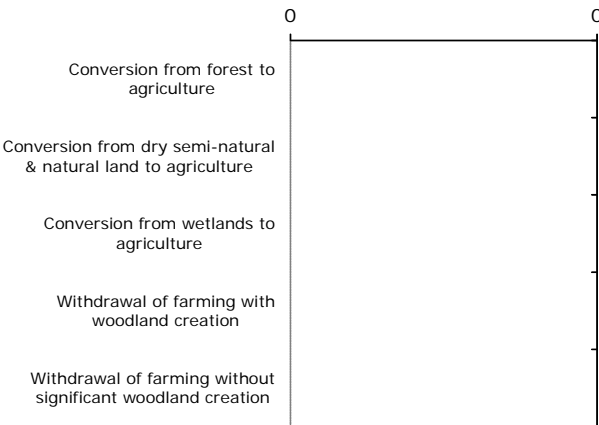
8.26. Formation of agricultural land from non-agriculture 2006-2012 [% of total]

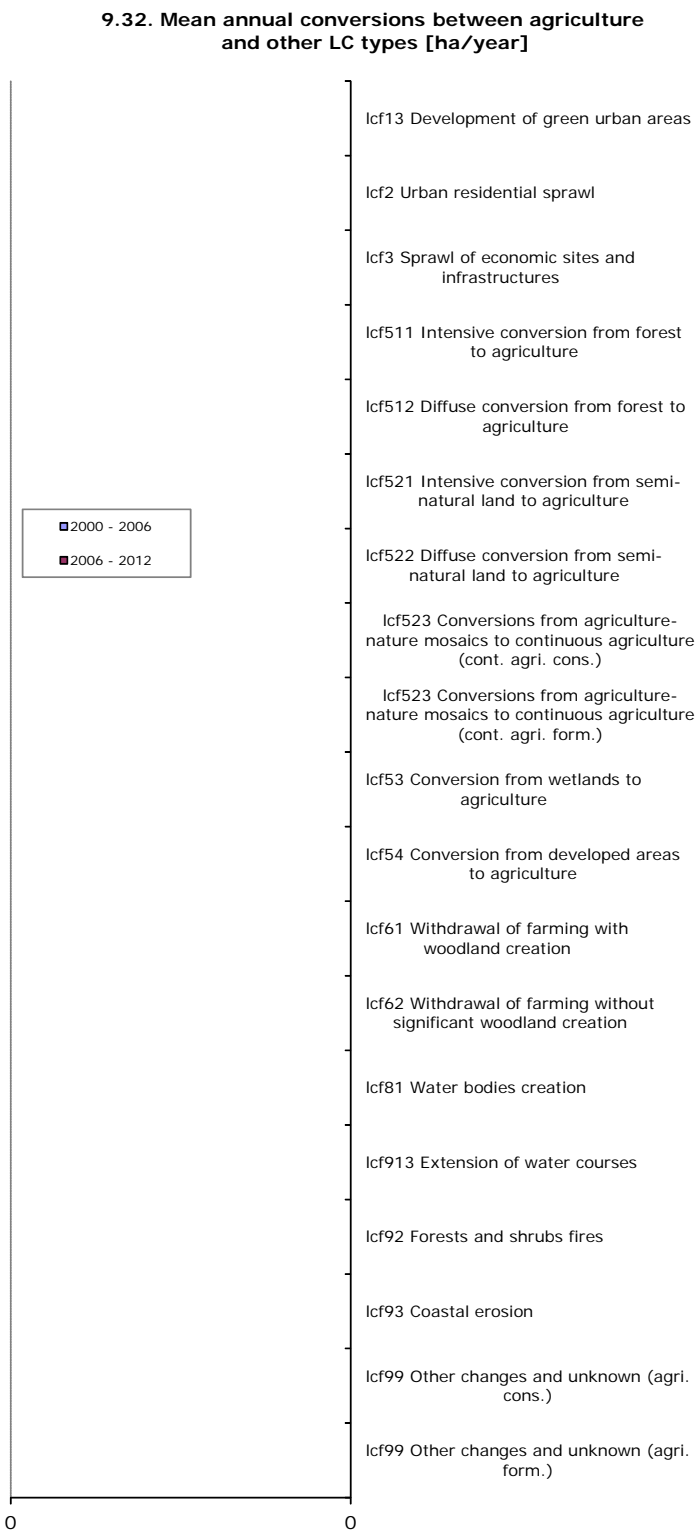
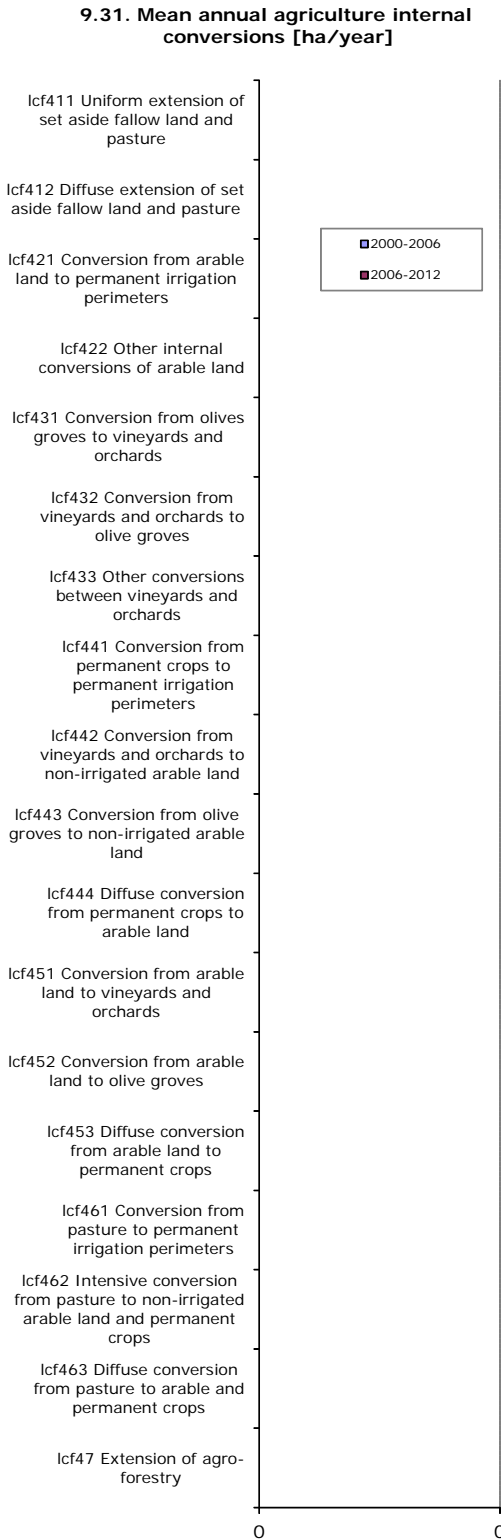
8.27. Consumption of agricultural land by non-agriculture 2006-2012 [% of total]

8.28. Formation of non-agricultural land from agriculture 2006-2012 [% of total]

8.29. Main annual conversions between agriculture and forests & semi-natural land 2006-2012 [ha/year]

8.30. Mean annual conversion between arable land and pasture [ha/year]





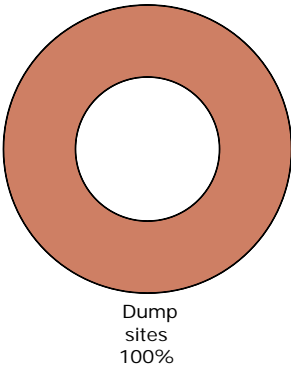
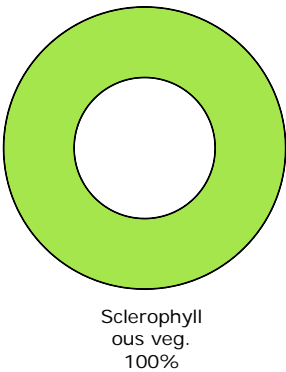
Forest & nature

10.33. LC consumed by forest & nature
2006-2012 [% of total]

10.34. Formation of forest & nature land
from non-forest /nature 2006-2012
[% of total]

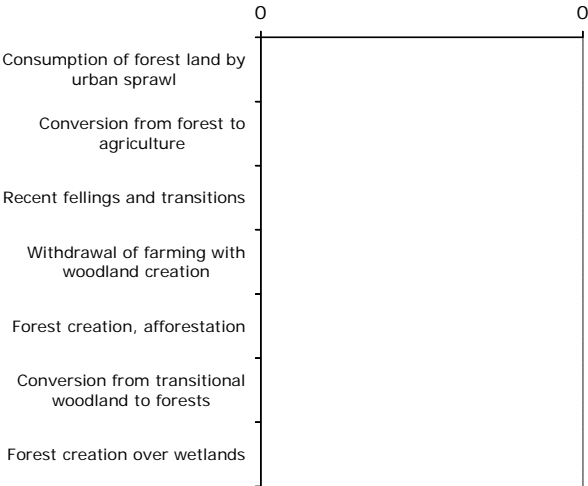
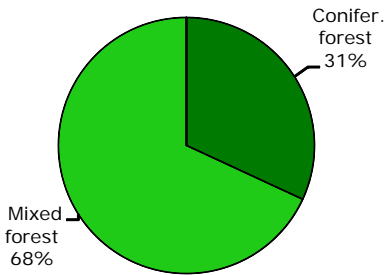
10.35. Consumption of forest & nature land
by non-forest/nature 2006-2012 [% of
total]

10.36. Formation of non-forest/nature land
from forest & nature 2006-2012 [% of total]

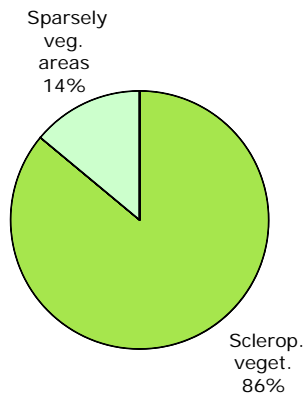


10.37. Forested land 2012
[% of total area]

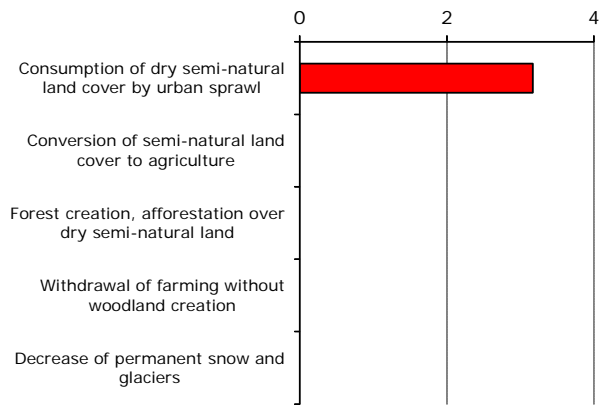
10.38. Main trends in woodland & forests
consumption/formation 2006-2012
[ha/year]



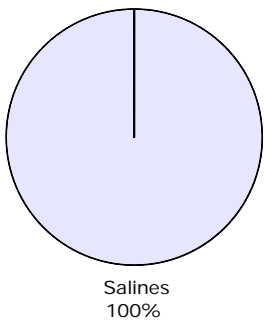
11.39. Dry semi-natural areas 2012
[% of total area]



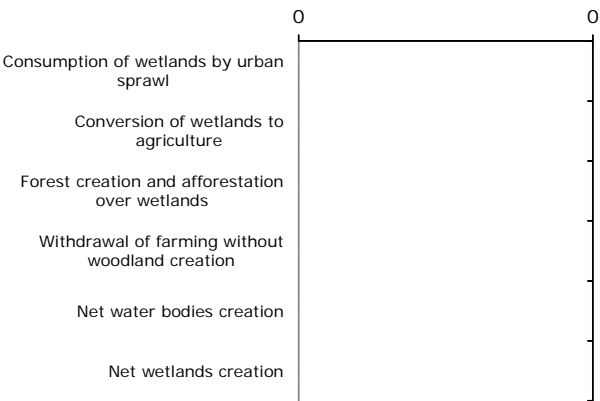
11.40. Main trends in dry semi-natural land consumption/formation 2006-2012
[ha/year]



11.41. Wetlands & water 2012
[% of total area]



11.42. Main trends in wetlands & water consumption/formation 2006-2012
[ha/year]



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

