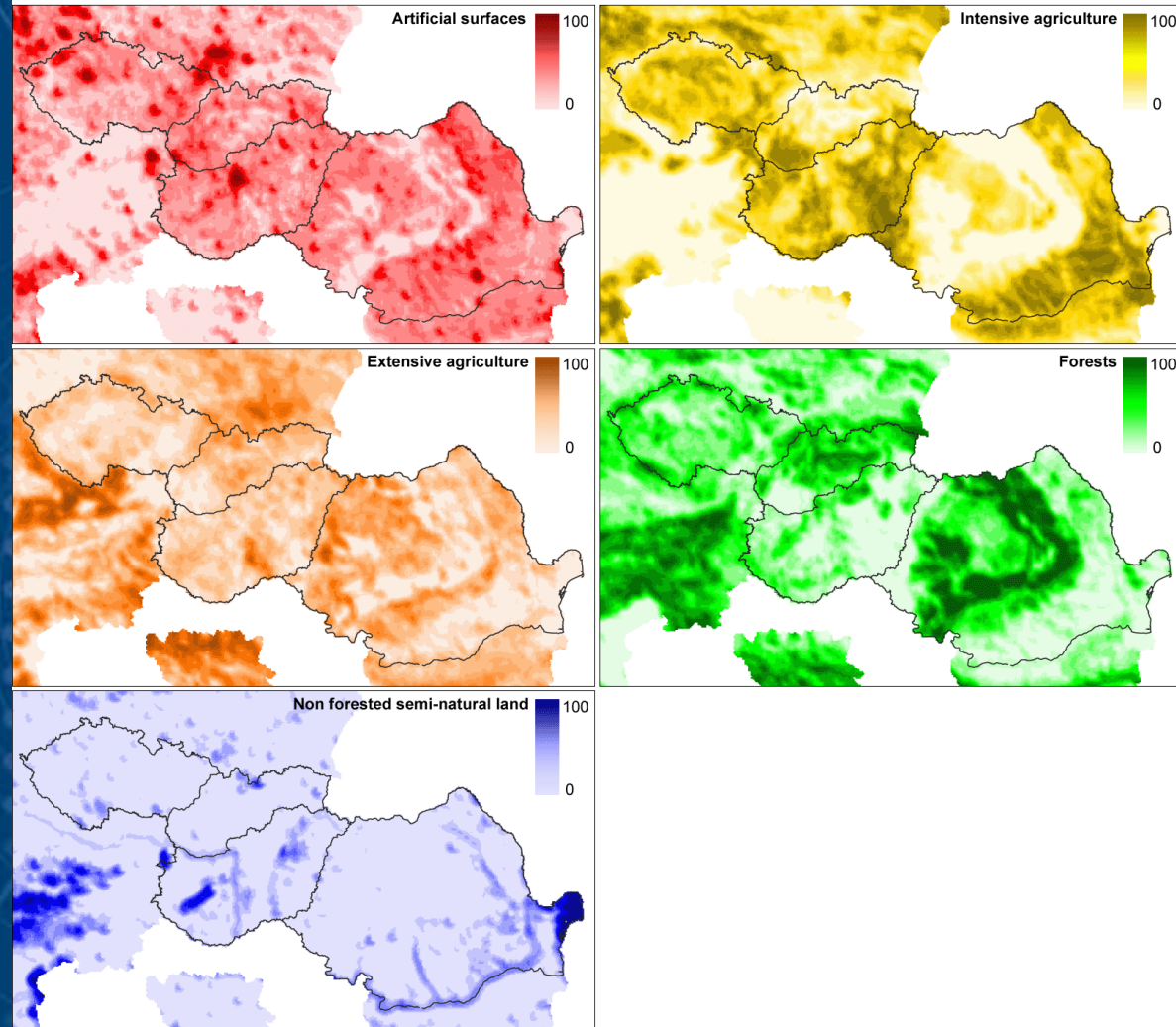


LEAC 4CEEC Preview

Landscape analysis via DLT

- based on CORILIS smoothing methodology

CORILIS INTENSITY THEMES
4 CEE COUNTRIES






Dominant Landcover Types (version 1)

Definition

DOMINANT LANDSCAPE TYPE ASSIGNMENT

DOMINANCE CRITERIA

	A1	A2	B1	B2	C1	C2	C3
Artificial	Red	Red	Green	Green	Green	Green	Green
Intensive agriculture	Green	Yellow	Red	Yellow	Yellow	Yellow	Green
Heterogeneous agriculture & Pasture	Green	Yellow	Green	Red	Green	Green	Green
Forests	Green	Yellow	Green	Yellow	Red	Green	Green
Non forested semi natural land	Green	Yellow	Green	Yellow	Yellow	Red	Green

	Dominant LC character of the type
	Possible co-dominance, considered as secondary
	No co-dominance is possible

A1 Urban dense areas

Dominant urban character without any co-dominance

A2 Dispersed urban areas

Dominant urban character co-existing with agriculture, forests or semi-natural co-dominance

B1 Broad pattern intensive agriculture

Broad pattern intensive agriculture dominant character with no co-dominance

B2 Composite rural landscape

Dominant mixed agriculture and pasture with possible co-dominance of broad agriculture, forests or semi-natural land

C1 Forested landscape

Dominant forests character with possible co-dominance of broad pattern agriculture and semi-natural land

C2 Open semi-natural or natural landscape

Dominant shrubs and other semi natural and natural land with possible broad pattern agriculture co-dominance

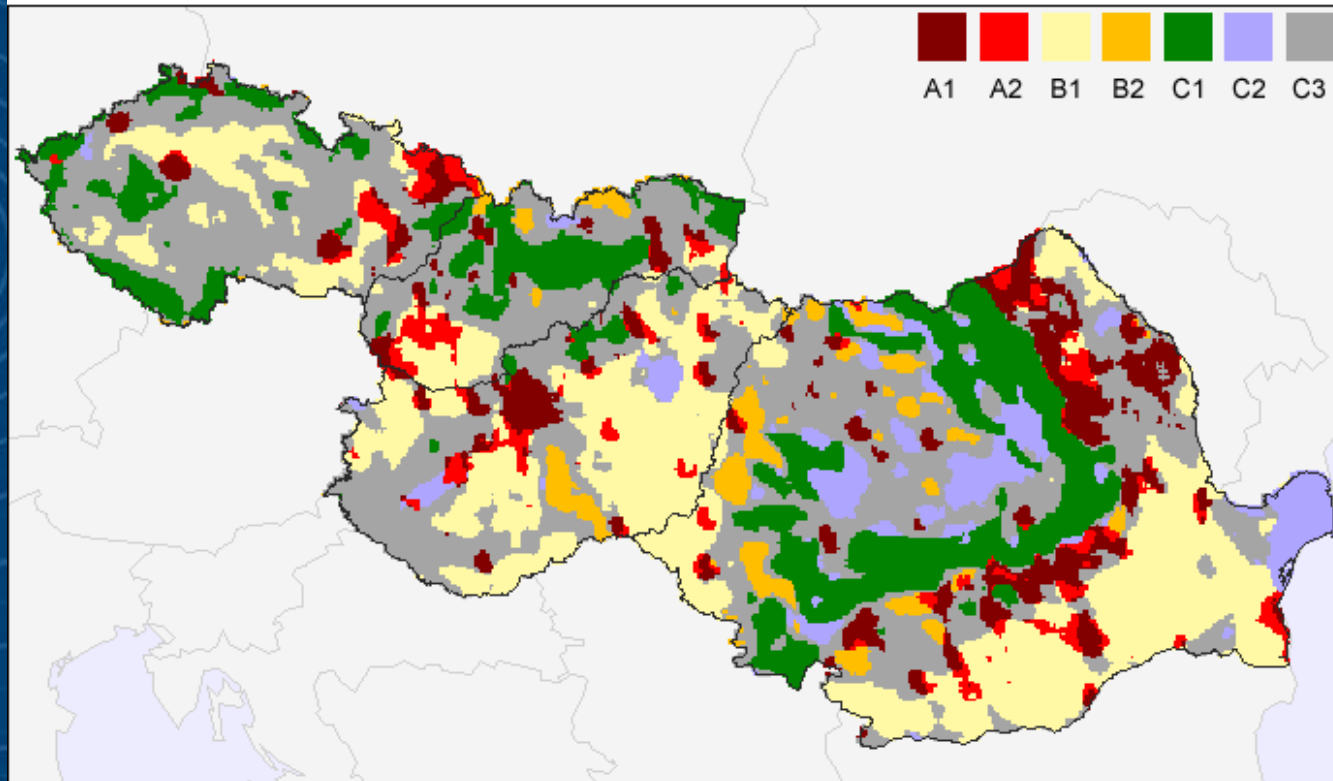
C3 Landscape with no dominant land cover character

No dominant land cover characteristic identified

Dominant Landcover Types (version 1)

DLT Mapping

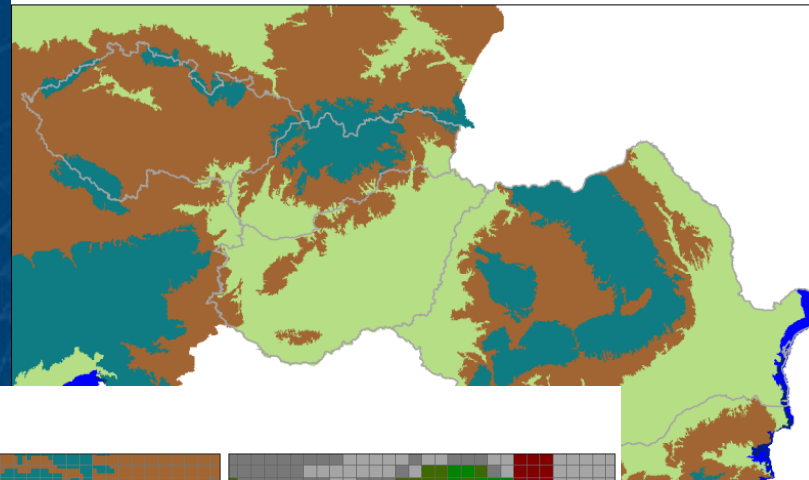
DOMINANT LANDSCAPE TYPES
4 CEE COUNTRIES



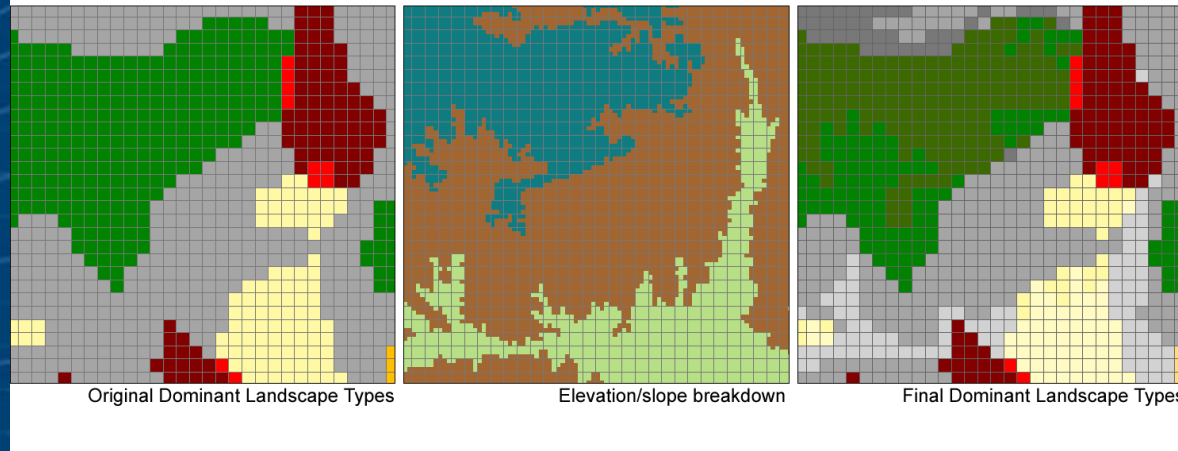
Dominant Landcover Types (version 2)

Introduction of elevation/slope

ELEVATION/SLOPE BREAKDOWN LAYER
4 CEE COUNTRIES



DOMINANT LANDSCAPE TYPES CREATION
INTRODUCTION OF ELEVATION/SLOPE BREAKDOWN

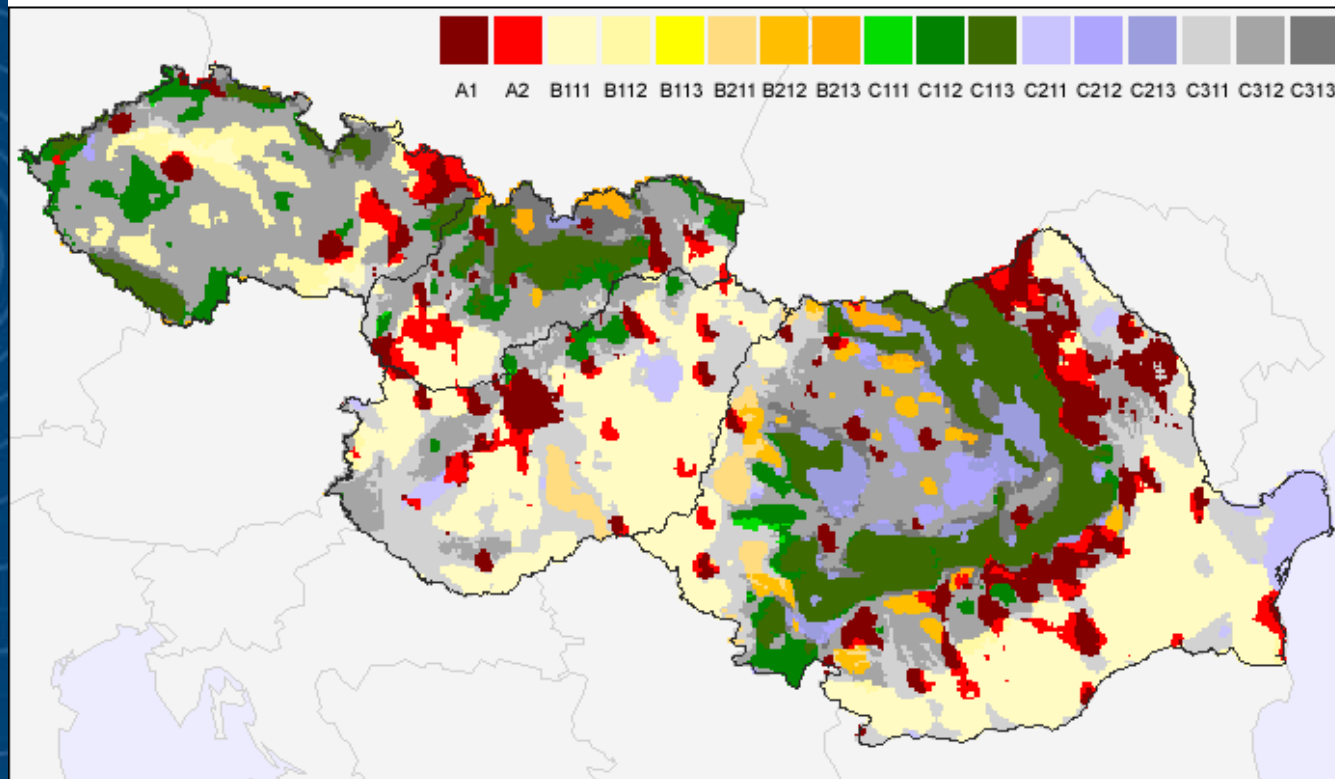


Dominant Landcover Types (version 2)

DLT Mapping

FINAL DOMINANT LANDSCAPE TYPES INCLUDING ELEVATION BREAKDOWN

4 CEE COUNTRIES 1975/1990

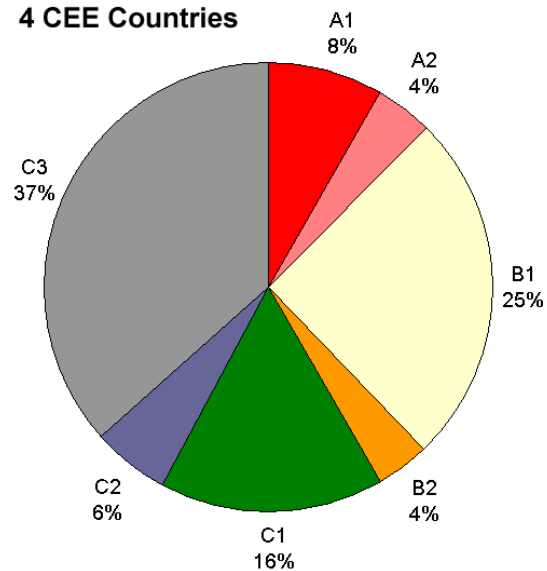


Dominant Landcover Types

DLT country breakdown

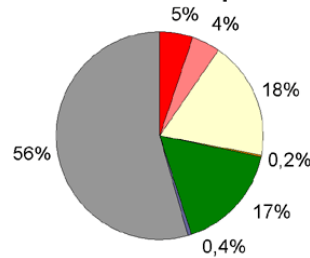
DOMINANT LANDSCAPE TYPES

4 CEE Countries

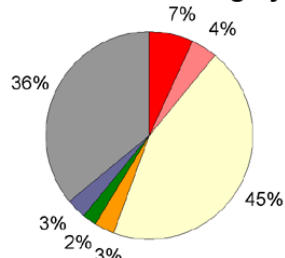


- A1 Urban dense areas
- A2 Dispersed urban areas
- B1 Broad pattern intensive agriculture
- B2 Composite rural landscape
- C1 Forested landscape
- C2 Open semi-natural or natural landscape
- C3 Landscape with no dominant land cover character

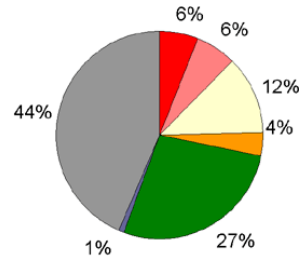
Czech Republic



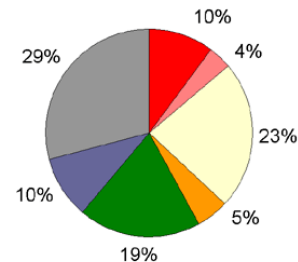
Hungary



Slovakia

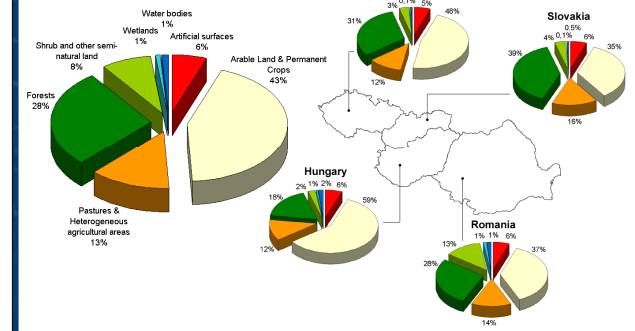


Romania



MAIN LAND COVER TYPES

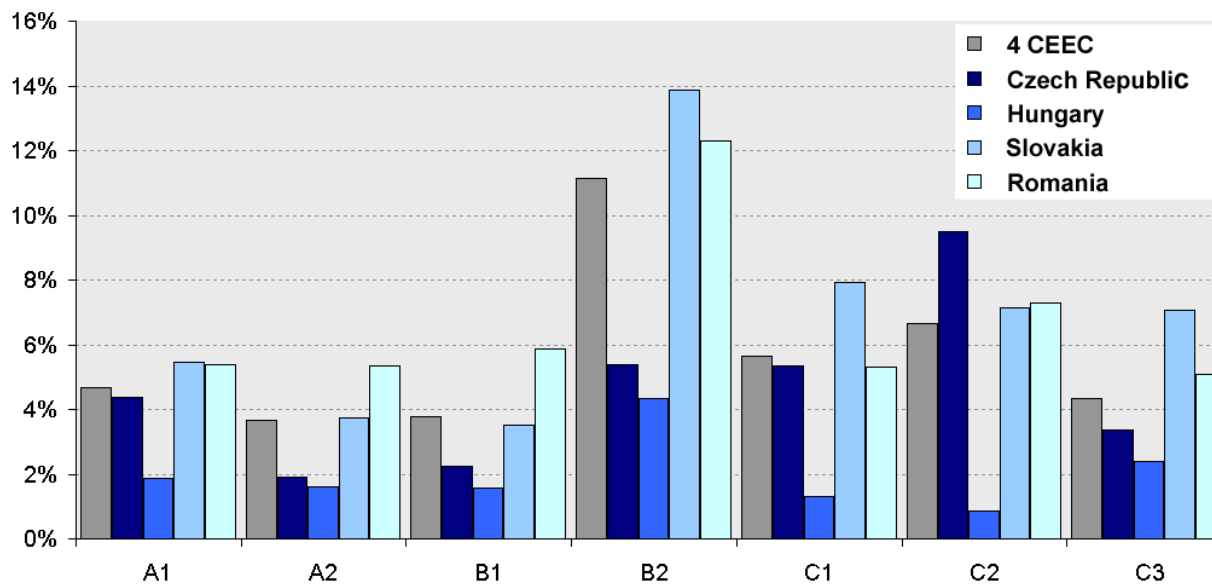
4 CEE Countries



Dominant Landcover Types

DLT as Accounting Units

PERCENTAGE OF CHANGE AREA WITHIN DOMINANT LANDSCAPE TYPES
4 CEE Countries 1975/1990



- A1 Urban dense areas
- A2 Dispersed urban areas
- B1 Broad pattern intensive agriculture
- B2 Composite rural landscape
- C1 Forested landscape
- C2 Open semi-natural or natural landscape
- C3 Landscape with no dominant land cover character

Dominant Landcover Types

DLT as Accounting Units

SUMMARY LAND COVER RESOURCE AND USE ACCOUNT

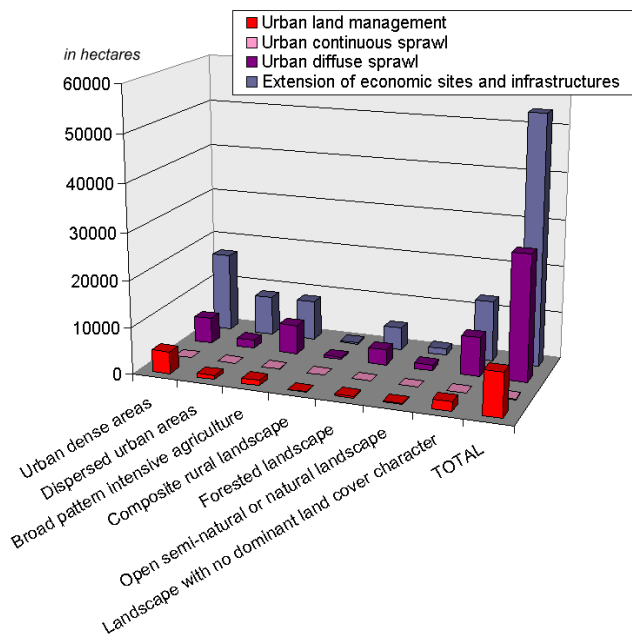
4 CEE COUNTRIES 1975/1990, Surface by Landscape Types in hectares

Summary Account	Landscape Types							TOTAL
	A1 Urban dense areas	A2 Dispersed urban areas	B1 Broad pattern intensive agriculture	B2 Composite rural landscape	C1 Forested landscape	C2 Open semi- natural or natural landscape	C3 Landscape with no dominant land cover character	
A - TOTAL INITIAL SURFACE ~ 1975	3826767	1919825	11620390	1693580	7375943	2639629	16766525	45842658
Consumption of Land Cover Resource (Supply by Land Cover)								
1 Artificial surfaces	10075	3514	6711	147	3210	1346	9959	34962
2.1+2.2 Arable Land + Permanent Crops	49217	28491	204041	131058	18448	27433	206058	664746
2.3+2.4 Pastures + Heterogeneous agricultural areas	25616	6006	36043	26603	73014	12180	131700	313162
3.1 Forests	34629	12948	61967	15361	231287	37874	230420	624485
3.2+3.3 Shrub and other semi-natural land	54770	14385	89311	12778	90075	28000	119180	408499
4 Wetlands	1096	2366	23542	225	441	52912	17819	98401
5 Water bodies	3847	2727	16124	340	964	15904	14997	54903
B - TOTAL CONSUMPTION OF LAND COVER RESOURCE	179250	70436	437740	188512	417438	175650	730132	2199158
Land Cover Flows resulting from Changes in the Uses of Land								
LCF1 Urban land management	4636	890	1128	28	315	256	1994	9247
LCF2 Urban sprawl	5623	1863	6330	397	3284	1190	8409	27095
LCF3 Extension of economic sites and infrastructures	16936	8378	8477	382	4822	1341	12937	53273
LCF4 Agricultural rotation and intensification	36990	16681	154071	127077	38605	11460	218748	603631
LCF41 Recent extension of pasture, fallow land, set aside	15484	8243	74729	115283	21629	2979	115583	353929
LCF42 Planting of vineyards, fruit and olive trees over arable & pasture	9949	3281	35834	2052	865	6443	31807	90231
LCF45 Intensification of agriculture	11567	5157	43509	9743	16111	2038	71358	159472
LCF5 Conversion of land to agriculture	42505	14358	97918	11269	28244	49725	116077	360096
LCF51 Intensive conversion of forest to agriculture	4734	2811	14752	1572	1396	1147	22171	48584
LCF52+LCF54 Conversion of marginal land to agriculture	27640	7165	55269	5951	10534	8670	46706	161935
LCF53 Diffuse conversion of forest to agriculture	6369	1659	6688	3342	14833	2512	26775	62178
LCF55 Conversion of wetlands to agriculture	1246	1537	16496	331	214	36797	16284	72905
LCF6 Forests creation and management	40806	11573	73808	17699	289351	54226	249392	736856
LCF61 Forests creation	21756	5751	37897	7472	78441	21612	74403	247333
LCF63 Recent felling and transition	19050	5822	35911	10227	210910	32614	174989	489522
LCF7 Water body creation and management	5934	4864	9931	641	2364	2461	12405	38600
LCF8 Changes of land cover due to natural and multiple causes	25820	11828	86078	31019	50453	54992	110171	370361
LCF82 Farmland abandonment without significant woodland creation	15367	6731	53738	27888	43576	23274	76867	247431
LCF83 Farmland abandonment with woodland creation	3442	624	2098	2458	4691	2815	9182	25309
LCF84 Other land abandonment (other than farmland)	1941	603	284	30	563	129	2400	5949
LCF89 Other changes and unknown	1220	746	7237	300	408	3213	3801	16926
C - TOTAL LAND COVER FLOWS 1975-1990	179250	70436	437740	188512	417438	175650	730132	2199158
D - Final Surface ~ 1990 (D = A-B+C)	3826767	1919825	11620390	1693580	7375943	2639629	16766525	45842658

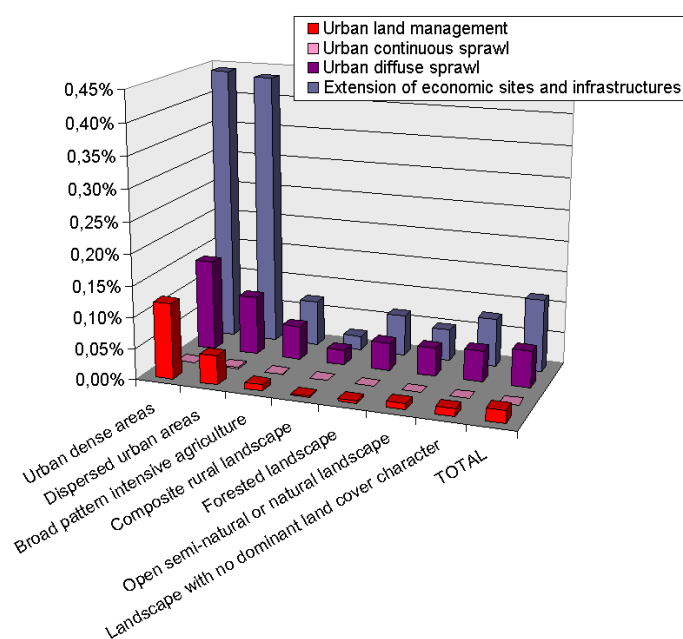
Dominant Landcover Types

DLT as Accounting Units

URBAN EXTENSION & MANAGEMENT
4 CEE COUNTRIES 1975/1990, Surface by Landscape Types

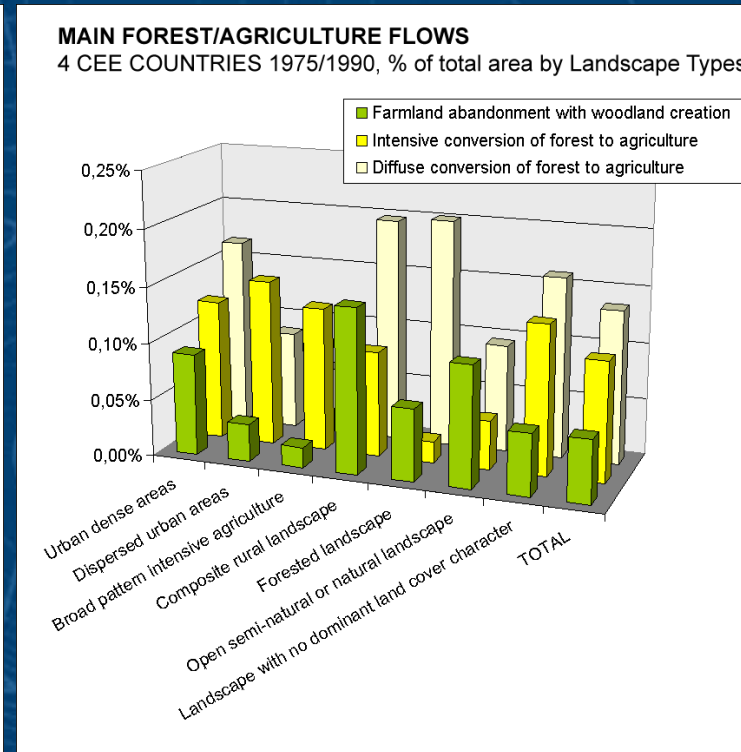
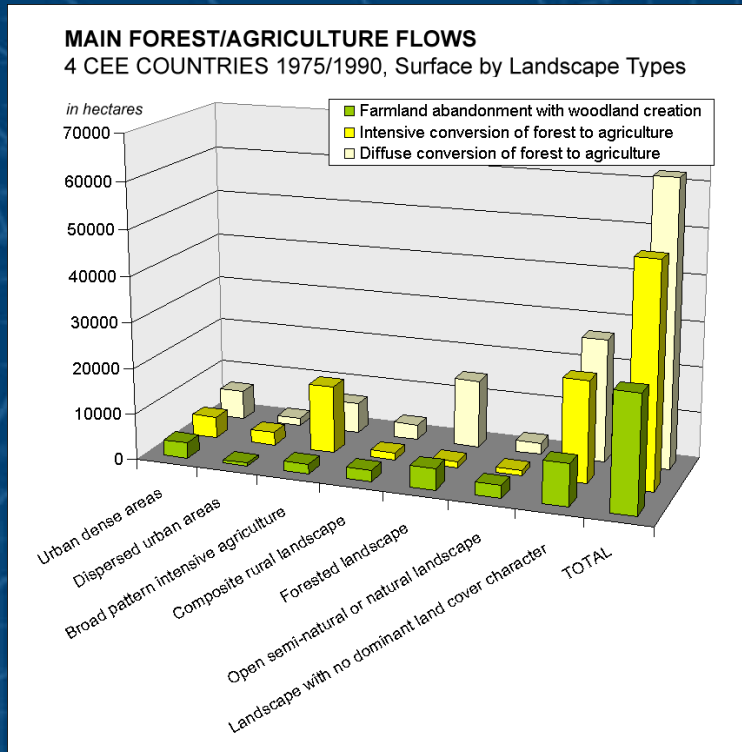


URBAN EXTENSION & MANAGEMENT
4 CEE COUNTRIES 1975/1990, % of total area by Landscape Types



Dominant Landcover Types

DLT as Accounting Units



Thank you !