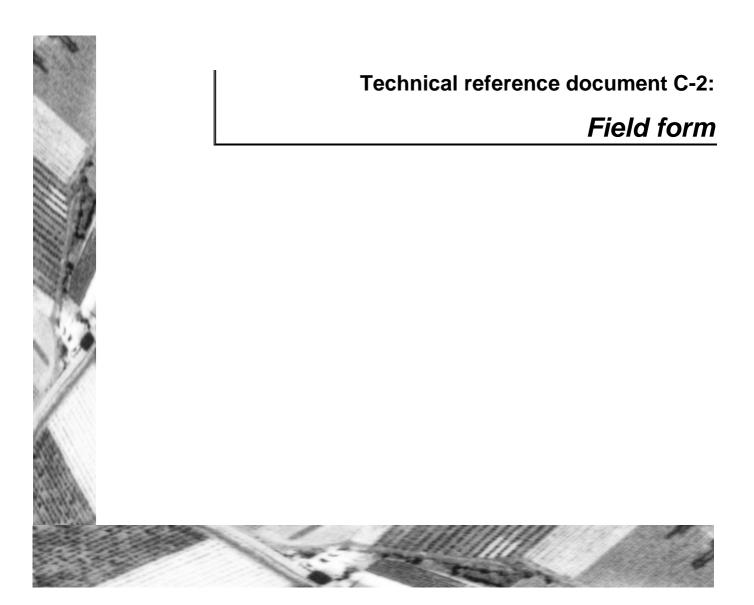


EUROPEAN COMMISSION EUROSTAT



Directorate E: Agriculture and environment statistics; Statistical Cooperation Unit E-1: Farms, Agro-Environment and Rural Development

LUCAS 2009 (Land Use / Cover Area Frame Survey)



LUCAS 2009 - LAND USE / COVER AREA FRAME STATISTICAL SURVEY

	Identification										
A	Surveyor ID:		Point ID:	B Point ID:				Soil sample number:			
Observation											
2	Date:/_ DD MM Start time:	5	Type of observation: 1 Field survey, poir 2 Field survey poir 3 Photo-interpretat 4 The point is not of	11	EI -	evation: m					
	End time:	6	GPS projection syste	m:		12		stance to the point:			
	Observed: 1 _ The point is observed 2 _ Point is not visible 3 _ Marine sea 4 _ Out of national territory	8 9/1	Precision:,			13	1 2 3	rection: _ on the point _ north _ east _ not relevant			
Comments 14 Description of the way to the point 15 Remarks about special circumstances (why observation not at the point, ground document not clear, etc.)											
			Land cover a	and I	land use						
16	LC1 C1 plant species:	17	LC2 LC2 plant species:	18	Radius: 1 _ 1.5 m 2 _ 20 m		19	Area size (in ha): 1 _ area < 0.5 2 _ 0.5 ≤ area < 1 3 _ 1 ≤ area < 10 4 _ area ≥ 10			
24	Percentage of land coverage (%) LC1: 1 _ <10 2 _ 10 ≤ LC < 25 3 _ 25 ≤ LC < 50 4 _ 50 ≤ LC < 75 5 _ LC ≥ 75	25	Percentage of land coverage (%) LC2: 1	20	Only if LC CX0, or D10 or E10 and area size ≥0.5 ha Height of trees at maturity: 1 _ < 5 m 2 _ ≥ 5 m			Only if LC CX0, or D10 or E10 and height of tree above 5 m and area size ≥0.5 ha Width of feature: 1 _ < 20 m 2 _ ≥ 20 m			
26	LU1	27	LU2	28	Land managem	ed	,				

8 | not relevant

Charts on area estimations (percentages)



В	Point ID:

	Water	manag	iement
--	-------	-------	--------

29	Presence of water management: (Only if LU = U111 or U112)	1 _ Irrigation 2 _ Potential irrigation 3 _ Drainage 4 _ Irrigation and drainage 5 _ No visible water management 8 _ not relevant	30	Source of irrigation:	1 _ Well 2 _ Pond/Lake/Reservoir 3 _ Stream/Canal/Ditch 4 _ Lagoon/Wastewater 5 _ Other/not identifiable 8 _ not relevant
31	Type of irrigation:	1 _ Gravity 2 _ Pressure: Sprinkler irrigation 3 _ Pressure: Micro-irrigation 4 _ Gravity/Pressure 5 _ Other/not identifiable 8 _ not relevant	32	Delivery System:	1 _ Canal 2 _ Ditch 3 _ Pipeline 4 _ Other/not identifiable 8 _ not relevant

Soil

33	Is the soil sample taken?	1 _ Yes 2 _ No 3 _ Not in the sample	34	Can you see any sign of ploughing in the plot?	1 _ Yes 2 _ No 8 _ not relevant
35	Percentage of residual crops on the surface:	1 _ RC<10 2 _ 10 ≤ RC < 25 3 _ 25 ≤ RC < 50 4 _ RC ≥ 50 8 _ not relevant	36	Percentage of stones on the surface:	1 _ S<10 2 _ 10 ≤ S < 25 3 _ 25 ≤ S < 50 4 _ S ≥ 50 8 _ not relevant
37	Remarks about the s (e.g. why it could not be taken, or				

Transect

38	Transect							
	$O \rightarrow \rightarrow$							

Structural, mostly linear element types

For all land cover areas ≥ 3 m, use relevant LC codification

Except: for urban areas: A without numbers

For B classes: if Photointerpreted, use BX1 (Areable land) and Bx2 (Permanent crops). Note that these codes are accepted only for parts of the transect which are photointerpreted.

All structural, mostly linear elements have to be listed according to their code below, irrespective their width (if not stated otherwise)

- 01 Grass margins < 3 m
- 02 Heath/Shrub, tall herb fringes < 3 m
- 10 Single bushes, single tree
- 11 Avenue trees
- 12 Conifer hedges < 3 m
- 13 Bush/tree hedges/coppices, visibly managed (e.g. pollarded) < 3 m</p>
- 14 Bush/tree hedges, not managed, with single trees, or shrubland deriving from abandonment < 3 m</p>
- 15 Grove/Woodland margins (if no hedgerow) < 3 m
- 21 Dry stone walls
- 22 Artificial constructions (other than dry stone walls)
- 23 Fences
- 24 Electric lines

- 31 Ditches, channels < 3 m
- 32 Rivers, streams < 3 m
- 41 Ponds, wetlands < 3 m
- 51 Rock outcrops with some natural vegetation
- 61 Tracks
- 62 Roads
- 63 Railways
- 71 Other linear elements (PI Photo-Interpretation starts
- PI) Photo-Interpretation ends
- -i) Frioto-interpretation ends
- X Premature end of transect field assessment
- 8 No transect mapped

Remarks about the transect:

(e.g. reasons for prematurely end of transect interpretation, PI circumstances)

D	Point ID:
	1 OIIIL ID

Photos

		Taken	Not taken	Not relevant	Photo ID	To be anonymised
40	Point	1 _	2 _	8 _		L
41	Crop – Cover	1 _	2 _	8 _		L
42	North	1 _	2 _	8 _		<u> </u>
43	East	1 _	2 _	8 _		<u> </u>
44	South	1 _	2 _	8 _		<u> </u>
45	West	1 _	2 _	8 _		<u> </u>
46	Irrigation	1 _	2 _	8 _		_
47	Transect	1 _	2 _	8 _		_
48	Soil	1 _	2 _	8 _		_
49	Conflict case	1 _	2 _	8 _		_

Do not forget to take the soil, irrigation and transect end pictures!

Do not forget to note End time of the survey!