

METADATA ESTONIA

Title of working unit:	633
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A: GENERAL INFORMATION

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Project leader:	Kiira Aaviksoo
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1. IMAGE1975 data used

Landsat MSS provided or other scene(s)				
Satellite & Sensor	Path-	Row	Date (m/d/y)	Remark (e.g. clouds)
Landsat MSS	202	18	05/24/1976	OK

2. Topographic maps used *(indicate in remark if digital)*

Scale	Sheet id	Title/Name	Year of production	Year of last revision	Remark
1:10 000	633	Cadastral data	1995		B/w digital
1 : 100 000	C-58-22 C-58-23 C-59-22 C-59-23	Estonian top. Map	1946,59 1946,59 1946,59 1946,59	1971,72 1971 1971 1969,71	B/w paper copy
1 : 100 000	O-35-13	Estonian top. Map	1980	1979	B/w digital
1 : 100 000	O-35-14	Estonian top. Map	1981	1979	B/w digital
1 : 100 000	O-35-25	Estonian top. Map	1980	1979	B/w digital
1 : 10 000	6 sheets	Tallinn top. Maps		1976	
1 : 5 000	4 sheets	Keila top. maps		1978	
1 : 2 000	9 sheets	Tabasalu top. maps		1978	
1 : 2 000	11 sheets	Haabneeme top. maps		1979	

3. Other ancillary data used (thematic data, satellite images, aerial photos, city maps, vegetation maps)

Id	Data source/type	Title (if relevant)	Date of production (m/d/y)	Scale (spatial detail)	Remark
12,13,14,23	Agricultural maps	Eesti põllumajanduslik kaart	1972,73	1 : 50 000	B/w paper copy, digital
0544		CORONA data	05/14/1974	~15m	B/w digital

4. Photointerpreter(s)

Name	Affiliation	Phone	E-mail	Interpretation		
				start (m/d/y)	End (m/d/y)	no. of days
Katre Daniel	EEIC	+372 7 427 767	Katre.daniel@ic.envir.ee	05/16/2003	05/18/2003	3
				08/12/2003	08/14/2003	3

B: DATA PREPARATION

1. Checking and systematic correction of IMAGE90 data *(optional)*

Landsat TM or any other satellite scenes used (e.g. SPOT)

Satellite & Sensor	path-	row	Date (m/d/y)	Max. systematic geom. Error (m)	(optional) Checked & corrected (name)	(optional) Date (m/d/y)	(optional) Reference data
Landsat 5 TM	187	19	07/27/1994	25 - 50 m			

2. Checking and systematic correction of CLC90 data

Corrections	Type of correction	Checked and Corrected by	Date (m/d/y)		Remarks
			Start	end	
Geometrical errors	Systematic correction	Tiina Dislis	04/26/2003	04/26/2003	
	Local correction	Tiina Dislis	04/26/2003	04/26/2003	
Thematic errors	Logical coherence*	Katre Daniel, Tiina Dislis	05/13/2003 07/18/2003	05/14/2003 07/20/2003	
	Semantic accuracy** and exhaustiveness***	Kiira Aaviksoo	06/20/2003 07/18/2003	06/20/2003 07/20/2003	324 areas inside forest delineated, golf courses

* = respectation of internal rules of CLC (100 m, 25 ha) according to Tech.Guide and Addendum

** = interpretation according to CLC nomenclature;

*** = details are appropriate

3. Verification and acceptance on national level

Date (m/d/y)	Accepted by	Signature	Remark
07/20/2003 07/23/2003	Tiina Dislis Kiira Aaviksoo		Corrections connected with forest clear-cuts, 242 edge area taken under 142 – large scale aerial photos used

C: INTERPRETATION OF CHANGES AND CREATION OF CLC1975

1. Photo-interpretation and internal quality control

Date of submission (m/d/y)	Control made by	Date of control (m/d/y)	Remark (errors, corrections, etc.)
05/16/2003 08/12/2003	Katre Daniel	07/07/2003 08/14/2003	<ul style="list-style-type: none"> - Change 12 to 112: Construction of new city district instead of old air-field - Changes 13 to 512: old exctraton areas filled with water - Change 13 to 324: recultivation of old pit area - Change 13 to 112: A new part of city being under construction - Change 24A to 142: Golf courses in 90s - Changes 31 to 131: new exctraction sites in 90s - Change 31 to 512: pit created into forest and later filled with water - Changes 32 to 512: artifical waterbody constructed after 70s; pit areas are abandoned and filled with water - Changes 32 to 131: widening of new extraction sites - Change 32 to 333: Area with little vegetation and few shrubs in 70s, in 90s cutting of shrubs for new towndistrict (preparation for constructions) - Change 41 to 512: Arifical waterbody made after 70s - Changes 51 to 122 or 112: waterbody in old pit is fulfilled with surface - Change 51 to 324: waterbody exist also in 90s, but too small for mapping. In 70s it was larger - A few small polygons were removed (appeared after creation of clc75)

2. Field checking (if carried out) - no

Date (m/d/y)	Itinerary (main settlements crossed on the working unit)	Problems checked and main conclusions
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3. Border matching with neighbour working units

Working unit /Country	Controlled and corrected by	Date (m/d/y)	Remark
624,731,634	Tiina Dislis	08/02/2003	

D: FINAL TECHNICAL QUALITY CONTROL**1. Control of topology, unnecessary boundaries, 25 ha limit, invalid codes and invalid changes**

	Date (m/d/y)	Controlled by	Remark
CLC1975	08/27/2003	Tiina Dislis	A few polygons < 20 and 5 ha were generalised
CLC Changes	08/27/2003	Tiina Dislis	A few polygons < 5 ha were generalised
CLC90	08/28/2003	Tiina Dislis	A few polygons < 20 and 25 ha were generalised

2. Verification and acceptance

	Date (m/d/y)	Name	Signature	Remark
National level	08/29/2003	Kiira Aaviksoo		Area around and inside capital greatly changed
Integration level	09/05/2003	Erika Orlitová	GISAT	Few cases discussed with EEIC
	09/19/2003	Tomas Soukup	GISAT	OK

E: SOFTWARE / HARDWARE

Work phase	Software used	Hardware used
Systematic geometric correction of IMAGE90	-	-
Systematic geometric correction of CLC90	-	-
Topological and thematic corrections of CLC90	ArcInfo 7.2.1., ArcView 3.2	PC
Interpretation of changes	ArcView 3.2	PC
Creation of CLC1975	ArcView 3.2	PC
Technical quality control	ArcInfo 7.2.1.	PC
Database integration (border matching)	ArcInfo 7.2.1.	PC