

## METADATA ESTONIA

<b>Title of working unit:</b>	<b>653</b>
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### A: GENERAL INFORMATION

<b>Contractor:</b>	Gisat s.r.o.
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<b>Responsible:</b>	Tomas Soukup
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<b>Project leader:</b>	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	201	18	05/23/1976	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	653	Cadastral data	1995		B/w digital
1 : 100 000	C-59-29 C-59-30	Estonian top. Map	1972 1972	1970 1970	B/w paper copy
1 : 100 000	O-35-20	Estonian top. Map	1983	1981	B/w digital
1 : 100 000	O-35-21	Estonian top. Map	1978	1976	B/w digital
1 : 10 000	4 sheets	Narva, Ivangorod top.maps		1977	
1 : 10 000	1 sheet	Sillamäe top. Map		1976	

### 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
21	Agricultural maps	Eesti põllumajanduslik kaart	1970	1 : 50 000	B/w paper copy, digital
0237		CORONA data	06/23/1975	~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	04/28/2003	04/30/2003	3
				08/24/2003	08/25/2003	2

### 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)	<i>(optional)</i> Checked & corrected (name)	<i>(optional)</i> Date (m/d/y)	<i>(optional)</i> Reference data
Landsat 5 TM	186	19	08/24/1995	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	04/25/2003	04/25/2003	
	Local correction	Tiina Dislis	04/25/2003	04/25/2003	
Thematic errors	Logical coherence*	Katre Daniel, Tiina Dislis	06/13/2003 07/18/2003	06/14/2003 07/20/2003	
	Semantic accuracy** and exhaustiveness***	Kiira Aaviksoo	06/16/2003 07/18/2003	06/16/2003 07/20/2003	324 – widening in place of forest types and 321

\* = 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		Corrected transitional woodland areas

## 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.)
04/28/2003 08/24/2003	Katre Daniel	07/04/2003 08/25/2003	<ul style="list-style-type: none"> <li>- Change 32 and 31 to 412: Clearcutting for peat excavation</li> <li>- Changes 33 to 324: set aside extraction area</li> <li>- Changes 33 to 312/313: Recultivation and afforestation of old extraction sites</li> <li>- Change 32 to 211: Forest (shrubs) cutting, land reclamation for agricultural use of the land</li> <li>- Change 31 to 243: Forest cutting, woodland has taken into agricultural use</li> <li>- Change 41 to 333: Oil shale quarry created in mire, now abandoned</li> <li>- Change 31 to 412: Peat excavating in 90s</li> <li>- Change 31 to 512: Pit created into forest and later it filled with water</li> <li>- Change 13 to 512: Pit is filled with water</li> <li>- Change 13 to 324: Recultivation of old sand pit</li> <li>- Change 41 to 131: Widening of extraction. New oil shale deposit under peat</li> </ul>

### 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
644	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		Main trends: clear-cut – peat excavation –

				oil shale – 333 – 324 – 312 (recultivation)
Integration level	09/04/2003	Erika Orlitová	GISAT	Few cases discussed with EEIC
	09/11/2003	Tomas Soukup	GISAT	OK

## E: SOFTWARE / HARDWARE

Work phase	Software used	Hardware used
Sy9stematic 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