

METADATA ROMANIA

Title of working unit:	K-35-010
-------------------------------	-----------------

A: GENERAL INFORMATION

Contractor:	GISAT s.r.o.
Address:	Charkovská 7, 10100 Praha 10 Czech Republic
Phone:	(+420) 271741935
Fax:	(+420) 271741935
Responsible:	Tomas Soukup
E-mail:	tomas.soukup@gisat.cz

Contracted:	Institute of Geology Romania (IGR)
Address:	Caransebes St.. 1, RO-78344, Bucharest, Romania
Phone:	+40.1.224.20.91
Fax:	+40.1.224.04.04
Project leader:	Vasile Vajdea
E-mail:	geol@igr.ro

1982. **IMAGE1975 data used**

Landsat MSS provided or other scene(s)				
Satellite & Sensor	Path-	Row	Date (m/d/y)	Remark (e.g. clouds)
Landsat 1 TM	195	029	08/19/1977	OK
Landsat 1 TM	195	30	08/19/1977	OK

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

Scale	Sheet id	Title/Name	Year of production	Year of last revision	Remark
1:100 000	K-35-010	Mangalia	1990	1971-78	Digital
1:100 000	K-35-010	Mangalia	1983		Digital
1:50 000	K-35-010a,b,c,d		1991		Analog
1:50 000		Forest maps	1982-90		Analog
1:25 000		Cadastral maps	1990		Analog
1:10 000		Maps of sea resorts	1992		Analog

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
	BW Aerial photos		1972 - 1990	1:25 000	Analog
	B/W multispectral images (MSK-4)		1987 - 1991	1:18 500	Digital, orthophoto mosaic
0677	B/W CORONA data		08/08/1977	~15m	B/w digital

4. Photointerpreter(s)

Name	Affiliation	Phone	E-mail	Interpretation		
				start (m/d/y)	End (m/d/y)	no. of days
Alexandra Marinescu	IGR			03/08/1999	03/09/1999	2
Cristina Cristian	IGR			03/12/1999	03/15/1999	3
Erika Orlitova	GISAT	+420 271741935	Erika.Orlitova@gisat.cz	05/12/2003	05/13/2003	2
Tomas Soukup	GISAT	+420 271741935	Tomas.soukup@gisat.cz	05/14/2003	05/14/2003	1

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	181	029	08/28/1992	< 50 m	Anca-Marina Vijdea	12/04/1998	
Landsat 5 TM	181	030	08/28/1992	< 50 m	Anca-Marina Vijdea	12/04/1998	
Landsat 5 TM	181	029	08/28/1992	< 50 m	Jiri Sustera	03/10/2003	
Landsat 5 TM	181	030	08/28/1992	< 50 m	Jiri Sustera	03/10/2003	

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	Alexandra Marinescu	03/08/1999	03/09/1999	Many small polygons <25ha were reinterpreted.
	Local correction	Alexandra Marinescu	03/08/1999	03/09/1999	Improvements in 321, 324, 231, 242, 243, 121
Thematic errors	Logical coherence*	Alexandra Marinescu	03/08/1999	03/09/1999	
	Semantic accuracy** and exhaustiveness***	Alexandra Marinescu	03/08/1999	03/09/1999	

* = 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
03/09/1999	Vasile Vajdea		
05/13/2003	Tomas Soukup		OK

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.)
03/15/1999	Constantin Nitica	03/16/1999	
05/12/2003	Erika Orlitova	05/13/2003	Geometrical check and correction
05/14/2003	Tomas Soukup	05/14/2003	Thematical check and correction

2. Field checking (if carried out)

Date (m/d/y)	Itinerary (main settlements crossed on the working unit)	Problems checked and main conclusions
--------------	--	---------------------------------------

3. Border matching with neighbour working units

Working unit /Country	Controlled and corrected by	Date (m/d/y)	Remark
All neighbour maps	Constantin Nitica	04/02/1999	Some small polygons were removed.
All neighbour maps	Jiri Sustera	05/26/2003	Some small polygons were removed and some polygons were merged.

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	04/08/1999 05/29/2003	Constantin Nitica Tomas Soukup	Few <25 ha detected and subsequently reinterpreted in change DB

CLC Changes	04/08/1999 05/29/2003	Constantin Nitica Tomas Soukup	
CLC90	04/08/1999 05/29/2003	Constantin Nitica Tomas Soukup	

2. Verification and acceptance

	Date (m/d/y)	Name	Organization	Remark
National level	05/30/2003	Jiri Sustera	GISAT	OK
Integration level	06/12/2003	Tomas Soukup	GISAT	OK

E: SOFTWARE / HARDWARE

Work phase	Software used	Hardware used
Systematic geometric correction of IMAGE90	-	-
Systematic geometric correction of CLC90	PCI Geomatica 9.0	PC: P4/ RAM 1GB/HDD 120GB/20"
Topological and thematic corrections of CLC90	PCI Geomatica 9.0	PC: P4/ RAM 1GB/HDD 120GB/20"
Interpretation of changes	ArcView 3.3	PC: P4/ RAM 1GB/HDD 120GB/20"
Creation of CLC1975	ArcView 3.3	PC: P4/ RAM 1GB/HDD 120GB/20"
Technical quality control	ArcGIS 8.3	PC: P4/ RAM 1GB/HDD 120GB/20"
Database integration (border matching)	Arc Info 8.3.	PC: P4/ RAM 1GB/HDD 120GB/20"