

## METADATA ROMANIA

<b>Title of working unit:</b>	<b>L-35-106</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>Contracted:</b>	Institute of Geology Romania (IGR)
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<b>Project leader:</b>	Vasile Vajdea
<b>E-mail:</b>	geol@igr.ro

### 1. 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	028	08/19/1977	Cloudy over coastal zone territory
Landsat 2 TM	195	028	07/14/1977	Partly cloudy
Landsat 1 TM	195	029	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	L-35-106	Tulca	1990	1972-83	Digital
1:100 000	L-35-106	Tulca	1984		Digital
1:50 000	L-35-106a,b,c,d		1991		Analog
1:50 000		Forest maps	1982-90		Analog
1:25 000		Cadastral maps	1990		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			01/18/1999	01/19/1999	2
Cristina Cristian	IGR			02/03/1999	02/04/1999	2
Erika Orlitova	GISAT	+420 271741935	<a href="mailto:Erika.Orlitova@gisat.cz">Erika.Orlitova@gisat.cz</a>	04/11/2003	04/14/2003	2
Tomas Soukup	GISAT	+420 271741935	<a href="mailto:Tomas.soukup@gisat.cz">Tomas.soukup@gisat.cz</a>	05/21/2003	05/21/2003	1

### B: DATA PREPARATION

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

Landsat TM or any other satellite scenes used (e.g. SPOT)
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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	028	08/28/1992	< 50 m	Anca-Marina Vijdea	12/04/1998	
	181	029	08/28/1992	< 50 m	Anca-Marina Vijdea	12/04/1998	
Landsat 5 TM	181	028	08/28/1992	< 50 m	Jiri Sustera	03/10/2003	
	181	029	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	01/18/1999	01/19/1999	Many small polygons <25ha were reinterpreted.
	Local correction	Alexandra Marinescu	01/18/1999	01/19/1999	
Thematic errors	Logical coherence*	Alexandra Marinescu	01/18/1999	01/19/1999	
	Semantic accuracy** and exhaustiveness***	Alexandra Marinescu	01/18/1999	01/19/1999	

\* = 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
01/19/1999	Vasile Vajdea		
04/12/2003	Tomas Soukup		Some geometric and thematic corrections in 1990 revision DB

## 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.)
02/04/1999	Constantin Nitica	02/04/1999	Geometrical check and correction Thematical check and correction
04/11/2003	Erika Orlitova	04/14/2003	
05/21/2003	Tomas Soukup	05/22/2003	

### 2. Field checking (if carried out)

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
All neighbour maps	Constantin Nitica	02/05/1999	Some small polygons were removed.
All neighbour maps	Jiri Sustera	05/21/2003	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	04/02/1999 05/21/2003	Constantin Nitica Tomas Soukup	Few <25 ha detected and subsequently reinterpreted in change DB

CLC Changes	04/02/1999 05/21/2003	Constantin Nitica Tomas Soukup	
CLC90	04/02/1999 05/21/2003	Constantin Nitica Tomas Soukup	

## 2. Verification and acceptance

	Date (m/d/y)	Name	Organization	Remark
National level	05/21/2003	Jiri Sustera	GISAT	Separation 21-32-41
Integration level	06/03/2003	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"