

METADATA POLAND

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|-------------------------------|----------------|
| Title of working unit: | N-33-51 |
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A: GENERAL INFORMATION

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|---------------------|--------------------------------|
| Contractor: | Gisat s.r.o. |
| Address: | Charkovska 7, Prague 10, 10100 |
| Phone: | +(420-2) 71741935 |
| Fax: | +(420-2) 71741936 |
| Responsible: | Tomas Soukup |
| E-mail: | Tomas.soukup@gisat.cz |

| | |
|------------------------|--------------------------------------|
| Contracted: | Institute of Geodesy and Cartography |
| Address: | Jasna 2/4, 00-950 Warszawa, Poland |
| Phone: | +48 22 8270328 |
| Fax: | +48 22 8270328 |
| Project leader: | Stanislaw Lewinski |
| E-mail: | Stanislaw.lewinski@igik.edu.pl |

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 | 205 | 22 | 10/12/1979 | |
| | | | | |

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 | N-34-51 | Topographical | 1978- 1979 | | Analogue |
| 1 : 100 000 | N-34-51 | Topographical | 1994 | 1980 | B/W digital |
| 1 : 100 000 | 81-05-02 | Topographical | 1981 | 1971-74 | B/W digital |
| 1 : 100 000 | 81-05-04 | Topographical | 1981 | 1974 | B/W digital |
| 1 : 100 000 | 82-01-03 | Topographical | 1981 | 1970-74 | B/W digital |

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 |
|------|------------------|---------------------|----------------------------|------------------------|-------------|
| 0743 | | CORONA data | 08/23/1976 | ~15m | B/w digital |
| | | | | | |
| | | | | | |
| | | | | | |

4. Photointerpreter(s)

| Name | Affiliation | Phone | E-mail | Interpretation | | |
|----------------|-------------|----------------|----------------------------|--------------------------|--------------------------|-------------|
| | | | | start (m/d/y) | End (m/d/y) | no. of days |
| Zenon Polawski | IGiK | +48 22 8270328 | Zenon.polawski@igik.edu.pl | 06/09/2003 07/18/2003 | 06/09/2003 07/18/2003 | 1 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 |
| | | | | | | | |
| | | | | | | | |

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 | Ewa Witkowska | 05/12/2003 | 05/12/2003 | No systematic displacement |
| | Local correction | Ewa Witkowska | 05/12/2003 | 05/14/2003 | Errors > 50 m were corrected |
| Thematic errors | Logical coherence* | Ewa Witkowska | 05/12/2003 | 05/14/2003 | Many small polygons were removed |
| | Semantic accuracy** and exhaustiveness*** | Ewa Witkowska | 05/12/2003 | 05/14/2003 | Interpretation of settlements was improved |

* = 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 |
|--------------|------------------|-----------|-------------------------|
| 07/18/2003 | Andrzej Ciolkosz | | Changes of delineations |

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.) |
|----------------------------|------------------|-------------------------|------------------------------------|
| 07/18/2003 | Andrzej Ciolkosz | 07/18/2003 | |

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 |
|-----------------------|-----------------------------|--------------|--|
| N-34-50 | Zenon Polawski | 06/29/2003 | Some small polygons were removed or merged |
| N-34-63 | Zenon Polawski | 06/29/2003 | Some small polygons were removed or merged |
| N-34-52 | Zenon Polawski | 06/29/2003 | Some small polygons were removed or 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 | 07/31/2003 | Anna Kuczyk | |
| CLC Changes | 07/31/2003 | Anna Kuczyk | |
| CLC90 | 07/31/2003 | Anna Kuczyk | |

2. Verification and acceptance

| | Date (m/d/y) | Name | Signature | Remark |
|-------------------|--------------|------------------|-----------|-------------------------------|
| National level | 07/28/2003 | Andrzej Ciolkosz | | |
| Integration level | 08/06/2003 | Jiri Sustera | GISAT | Few cases discussed with IGIK |
| | 08/07/2003 | Tomas Soukup | GISAT | Few cases discussed with IGIK |

E: SOFTWARE / HARDWARE

| Work phase | Software used | Hardware used |
|---|---------------|---------------|
| Systematic geometric correction of IMAGE90 | ERDAS | UNIX |
| Systematic geometric correction of CLC90 | ArcGIS 8.2 | PC |
| Topological and thematic corrections of CLC90 | ArcGIS 8.2 | PC |
| Interpretation of changes | ARC/VIEW | PC |
| Creation of CLC1975 | ArcGIS 8.2 | PC |
| Technical quality control | ArcGIS 8.2 | PC |
| Database integration (border matching) | ArcGIS 8.2 | PC |