



## WORKSHOP / TRAINING

# REGIONAL WORKSHOP: SOUTH AFRICA

13-17 Dec. 2004

## PRETORIA, SOUTH AFRICA

The workshop was organized by FAO with the financial and technical support of the United Nations Environment Programme (UNEP), the Government of Italy and the Government of the Netherlands. It was hosted by the Department of Land Affairs, Chief Directorate of Surveys and Mapping with the logistical support of the FAO Representative for South Africa.

### COUNTRIES

The workshop was intended for technical individuals from national institutes involved in land cover mapping. 40 participants from 12 countries attended the workshop:

- Angola
- Botswana
- Comoros Islands
- Lesotho
- Madagascar
- Malawi
- Mauritius
- Mozambique
- Namibia
- Seychelles
- South Africa
- Swaziland
- Zambia
- Zimbabwe.



### GOALS

This initiative aimed to provide participants, who were mainly officials from national institutes involved in land cover mapping, with training on land cover mapping, LCCS and other geo-information technologies, which can be used on both national and regional projects. The workshop was also used to initiate regional collaborations on GLCN projects.

### DATA DISTRIBUTION

During the workshop, the GLCN staff distributed to the participants the national coverages of Landsat images (MSS, TM and ETM+ sensors, all bands) and Shuttle Radar Topography Mission (SRTM)-based elevation data to participan-

ts. Data distribution was undertaken under the outreach activities programme promoted by GLCN for its members.



### 1. LANDSAT IMAGERY

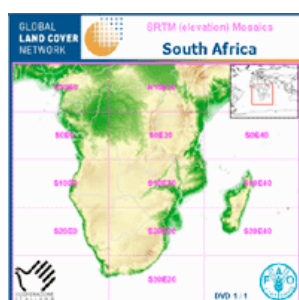
The coverage for South Africa of Landsat images takes almost 1900 scenes and about 280 GB of file size (see the table below).

The figure on the left shows one sample DVD cover.

Scenes (No.) Size (GB)	ETM		TM		MSS		TOTAL	
Angola	76	22	70	10	74	2	220	34
Botswana	42	12	41	6	50	1	133	20
Congo D. R.	151	41	120	16	148	3	419	61
Lesotho	4	1	4	1	12	0	20	2
Malawi	19	6	14	2	23	0	56	8
Mauritius	4	1					4	1
Mozambique	60	17	55	8	66	1	181	26
Namibia	55	16	52	8	59	1	166	26
S. Africa	83	24	79	12	90	2	252	37
Seychelles	10	2					10	2
Swaziland	6	2	5	1	7	0	18	3
Tanzania	59	17	48	7	58	1	165	26
Zambia	52	15	44	6	64	1	160	22
Zimbabwe	32	9	26	4	34	1	92	14
<b>TOTAL</b>	<b>653</b>	<b>185</b>	<b>558</b>	<b>81</b>	<b>685</b>	<b>15</b>	<b>1 896</b>	<b>281</b>

### 2. SRTM MOSAICS

The coverage for Southern Africa of SRTM mosaics takes 17 and about 1.5 GB of compressed ARC/INFO grid files. The figure on the right shows the Southern Africa DVD cover for SRTM data. The DVD also includes



- an ESRI ArcView project
- country boundaries and index files for SRTM and Landsat data
- a free software for rendering elevation and overlapping images (static 3D view)
- various documents supporting the use of the data.