



WORKSHOP / TRAINING

REGIONAL WORKSHOP: MIDDLE EAST - NORTH AFRICA

19-23 Mar 2005

SHARM EL SHEIKH, EGYPT

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.

COUNTRIES

The workshop was intended for technical individuals from national institutes involved in land cover mapping. 35 participants from 17 countries attended the workshop:

- Algeria
- Bahrain
- Egypt
- Iraq
- Jordan
- Kuwait
- Lebanon
- Libya
- Morocco
- Oman
- Qatar
- Saudi Arabia
- Sudan
- Syria
- Tunisia
- United Arab Emirates
- Yemen.



TM and ETM+ sensors, all bands) and Shuttle Radar Topography Mission (SRTM) based elevation data to participants. Data distribution was undertaken under the outreach activities programme promoted by GLCN for its members.



1. LANDSAT IMAGERY

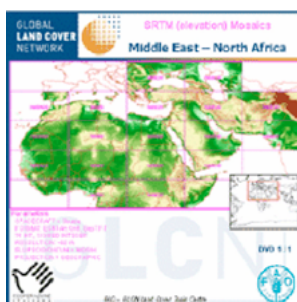
The coverage of Landsat images for the region takes 1963 scenes and about 300 GB of file size (see the table below).

The figure on the left shows one sample DVD cover.

| Scenes File Size | ETM | | TM | | MSS | | TOTAL | | DVDs | | |
|---------------------|------------|------------|------------|-----------|------------|-----------|-------------|------------|-------------|------|------------|
| | No. | GB | No. | GB | No. | GB | No. | GB | No./Country | Sets | Total |
| Algeria | 131 | 39 | 131 | 20 | 140 | 3 | 402 | 63 | 14 | 2 | 20 |
| Bahrain | 1 | 0 | 1 | 0 | 2 | 0 | 4 | 0 | 1 | 1 | 1 |
| Egypt | 63 | 18 | 63 | 10 | 62 | 1 | 188 | 30 | 7 | 8 | 56 |
| Iraq | 40 | 12 | 36 | 6 | 46 | 1 | 122 | 20 | 5 | 3 | 15 |
| Jordan | 12 | 4 | 12 | 2 | 11 | 0 | 35 | 6 | 2 | 3 | 6 |
| Kuwait | 6 | 2 | 4 | 1 | 5 | 0 | 15 | 2 | 1 | 1 | 1 |
| Lebanon | 4 | 1 | 3 | 1 | 5 | 0 | 12 | 2 | 1 | 2 | 2 |
| Libya | 94 | 27 | 92 | 14 | 98 | 2 | 284 | 43 | 10 | 1 | 10 |
| Morocco | 36 | 11 | 40 | 6 | 36 | 1 | 112 | 18 | 4 | 1 | 4 |
| Oman | 27 | 7 | 27 | 4 | 31 | 1 | 85 | 12 | 3 | 1 | 3 |
| Palestine | 4 | 1 | 4 | 1 | 4 | 0 | 12 | 2 | 1 | 2 | 2 |
| Qatar | 4 | 1 | 4 | 0 | 3 | 0 | 11 | 2 | 1 | 1 | 1 |
| Sudan | 126 | 36 | 122 | 19 | 166 | 4 | 411 | 60 | 14 | 2 | 28 |
| Syria | 22 | 7 | 21 | 4 | 33 | 1 | 76 | 12 | 3 | 3 | 9 |
| Tunisia | 22 | 6 | 23 | 3 | 19 | 0 | 64 | 10 | 3 | 1 | 3 |
| UAE | 12 | 3 | 11 | 1 | 15 | 0 | 38 | 5 | 2 | 1 | 2 |
| Yemen | 36 | 10 | 32 | 5 | 33 | 1 | 101 | 16 | 4 | 2 | 0 |
| TOTAL | 640 | 187 | 626 | 99 | 709 | 17 | 1963 | 302 | 70 | | 179 |

2. SRTM MOSAICS

The figure on the left shows the Middle East-North 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.

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,