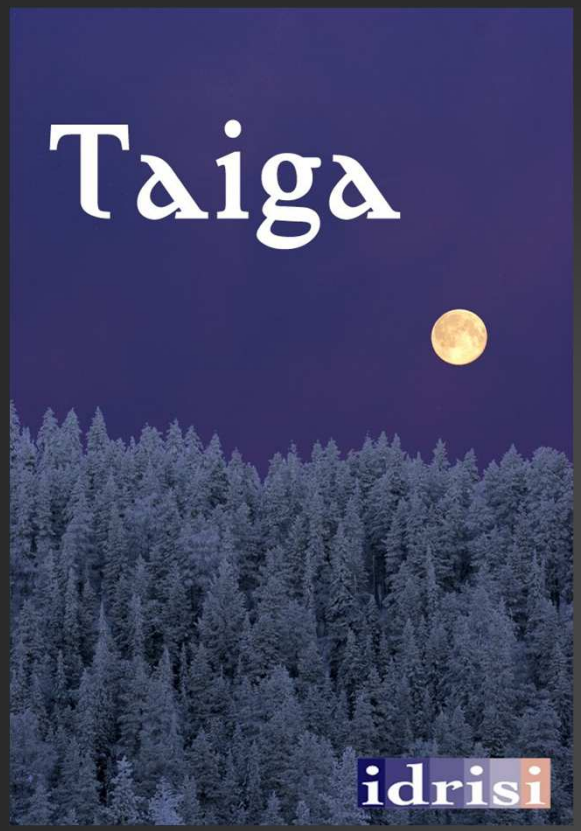


- Clark Labs (Clark University) since 1987 (Prof. Ron Eastman)
- Idrisi is used for GIS lessons at the Faculty of Forestry since 1996 (Prof. Vladimír Židek)
- Idrisi Resource Center since 1997 (together with the FF of the Technical Univ. Zvolen, Slovakia)
- 32-bit mainly raster oriented system, however supporting vector data format
- Image processing – mosaic, transformation, classification (including hyperspectral images)
- GIS analysis – distance and context operators, decision, statistical modules (neural network), time series, DMT → complex environmental modules
- Abu Abd Allah Muhammed al-Idrisi (1100 – 1166 n.l.)

IDRISI Environment: Data Path

- Setting New Project:
  - Open **Idrisi Explorer**
  - Fold **Projects,** right click and find the path to your directory **D:\ NAME**

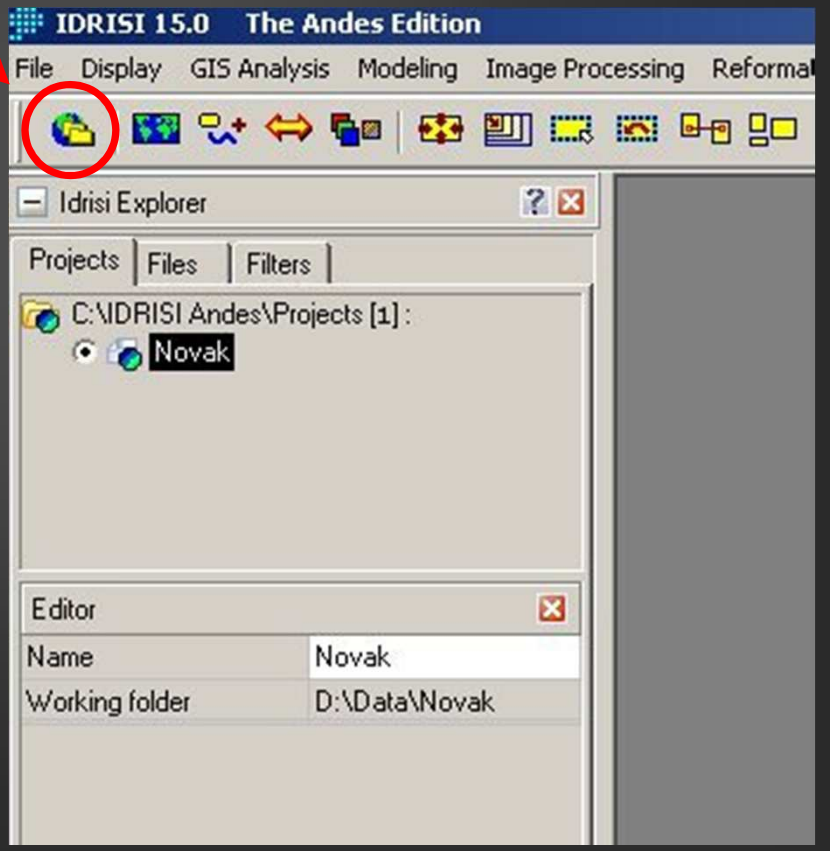
- You can change the name of your project in the **Editor** (low part of the fold **Projects**)
- Fold **Files** shows data and files which contains the project
- Fold **Filters** enable to filtrate files which can be seen within the fold **Files**

Copy data from:

- **\\yain\student\ GIS_Fundamentals\Using Idrisi**

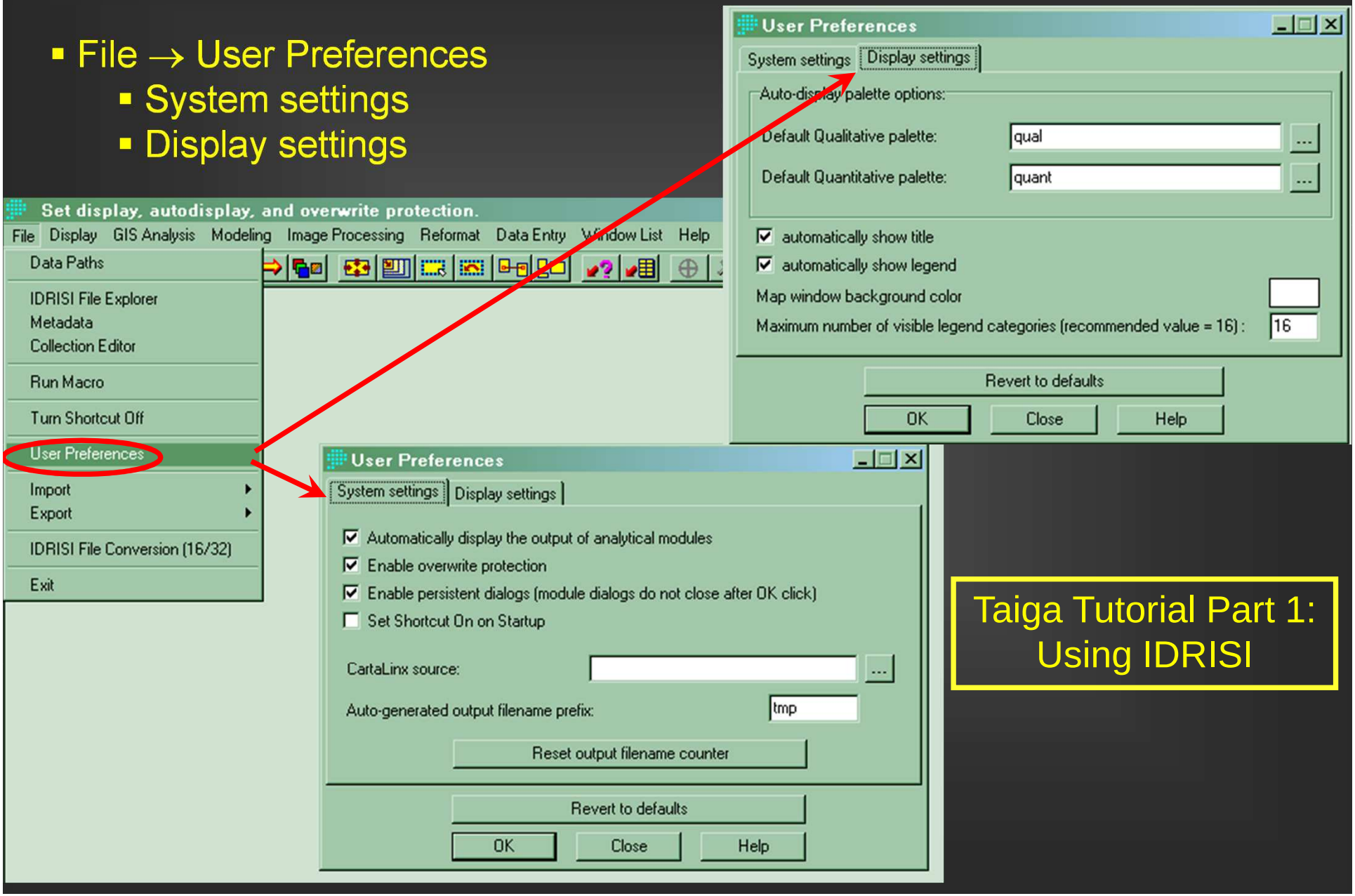
To:

- **D:\ ... (your directory)**



IDRISI Environment: User Preferences

- File → User Preferences
  - System settings
  - Display settings



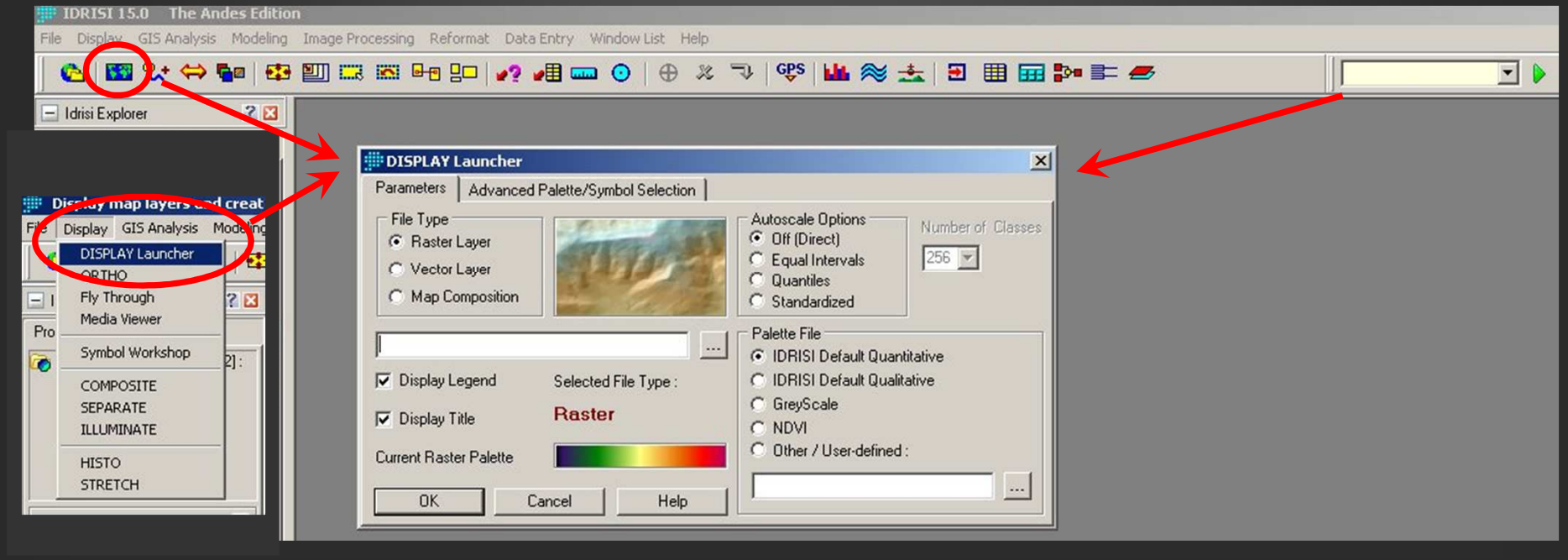
Taiga Tutorial Part 1: Using IDRISI

IDRISI Environment: Dialog Boxes, Pick List, Moduls

- modules (approx. 200) – icon, menu, shortcut (on/off)
- pick list

DISPLAY SIERRADEM

- Idrisi Explorer: double click or right click + menu



IDRISI Environment: The Status and Tool Bars

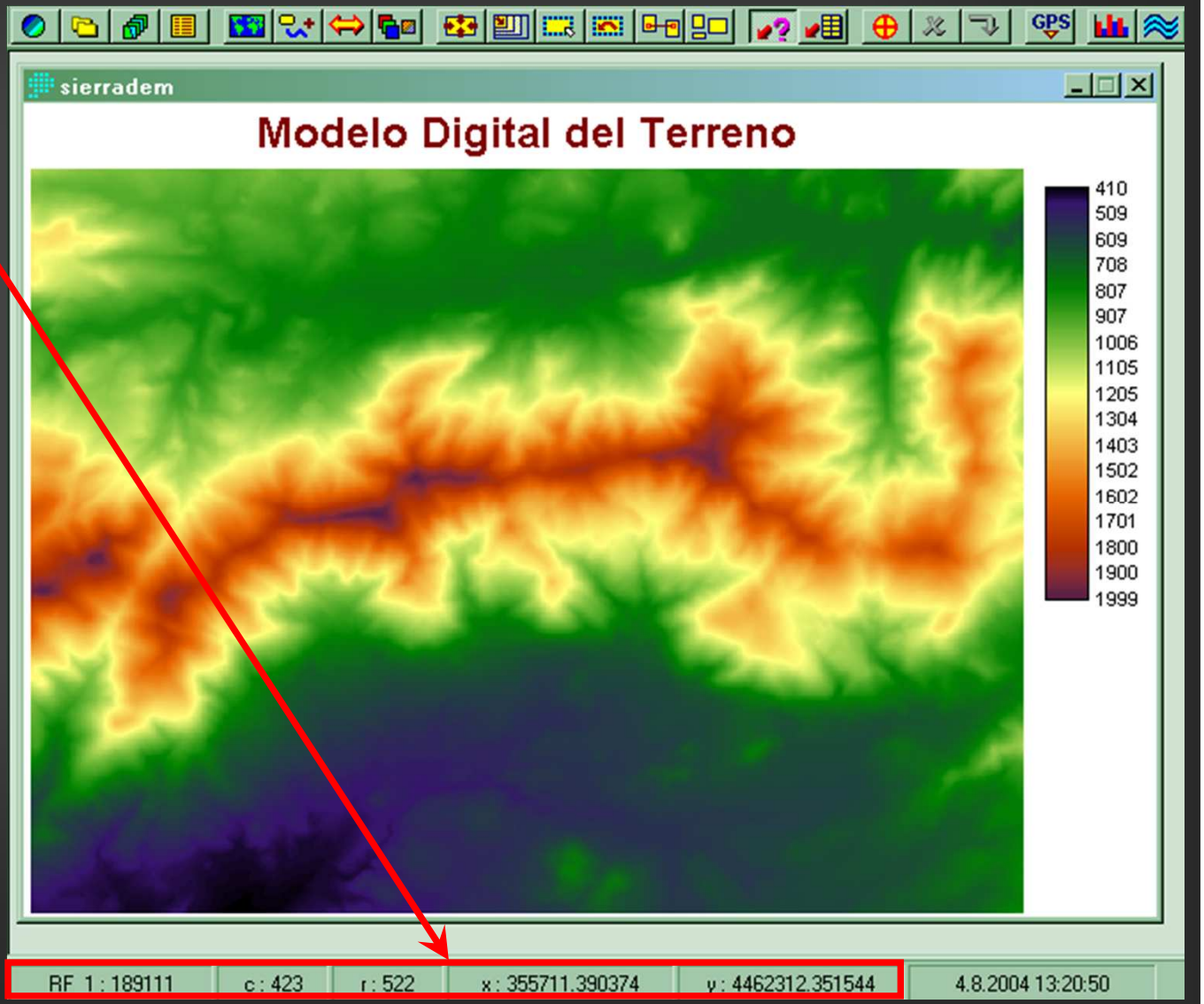
- RF = representative fraction = map scale

- column
- row

- X coordinate
- Y coordinate

- zoom

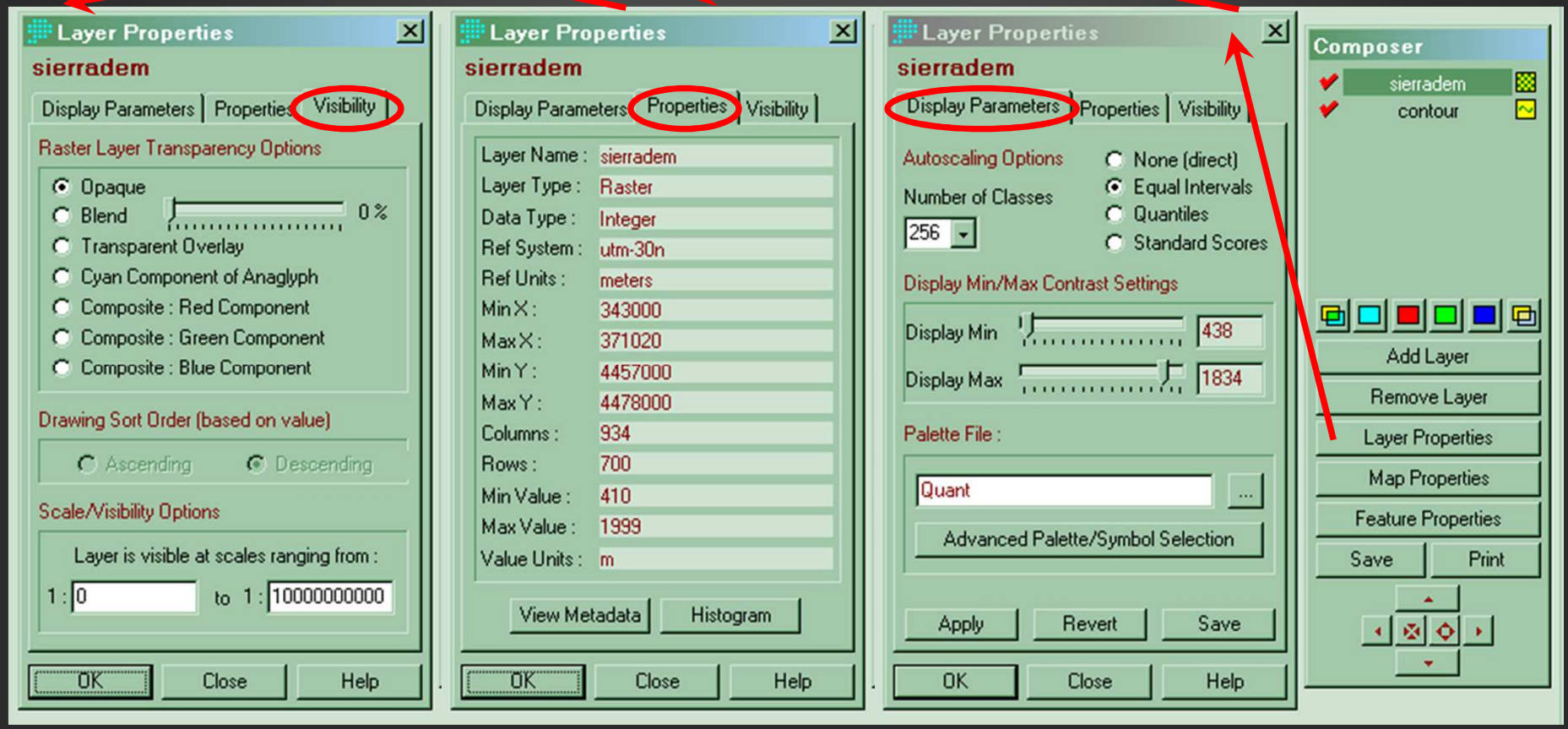
Page Up = zoom out
Page Down = zoom in



IDRISI Environment: Composer

DISPLAY SIERRADEM

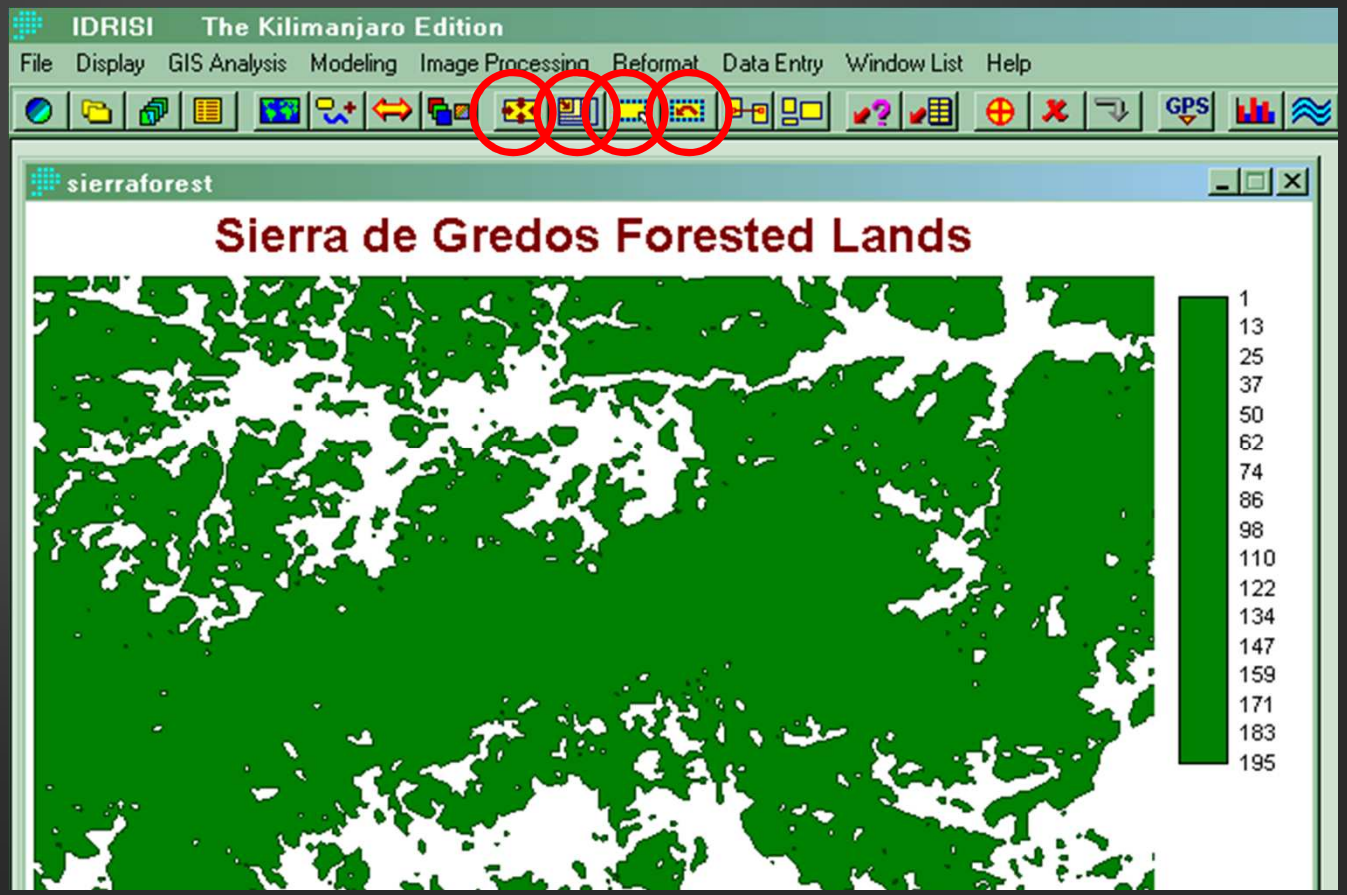
Add Layer CONTOURS



Display: Displaying Map Layers

DISPLAY SIERRAFOREST (Forest)

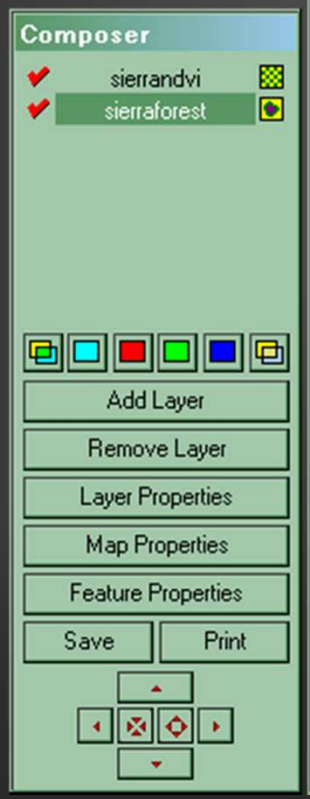
- fit map window
- maximize display
- zoom window
- restore original window

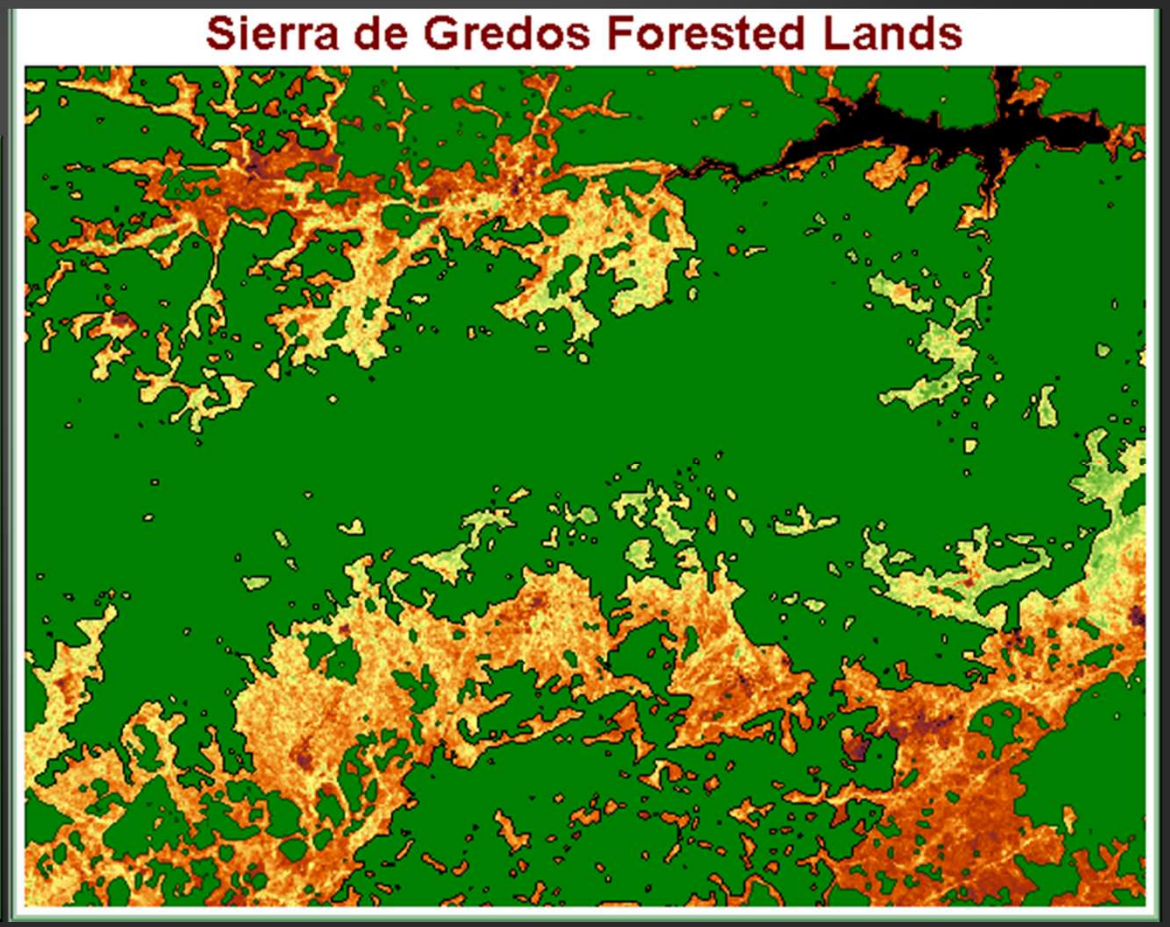


Display: Displaying Map Layers

Add Layer | SIERRANDVI | (NDVI)

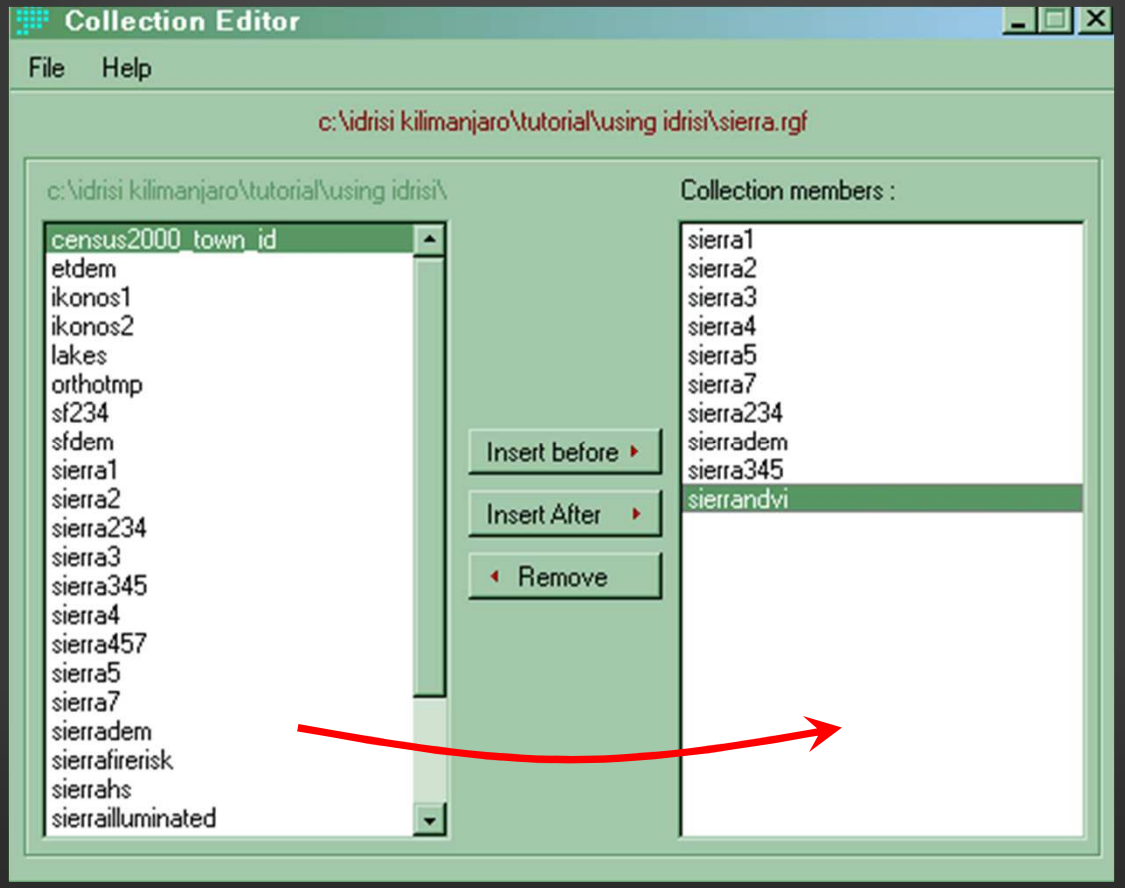
- check mark
- position of layers
- change palette/symbol





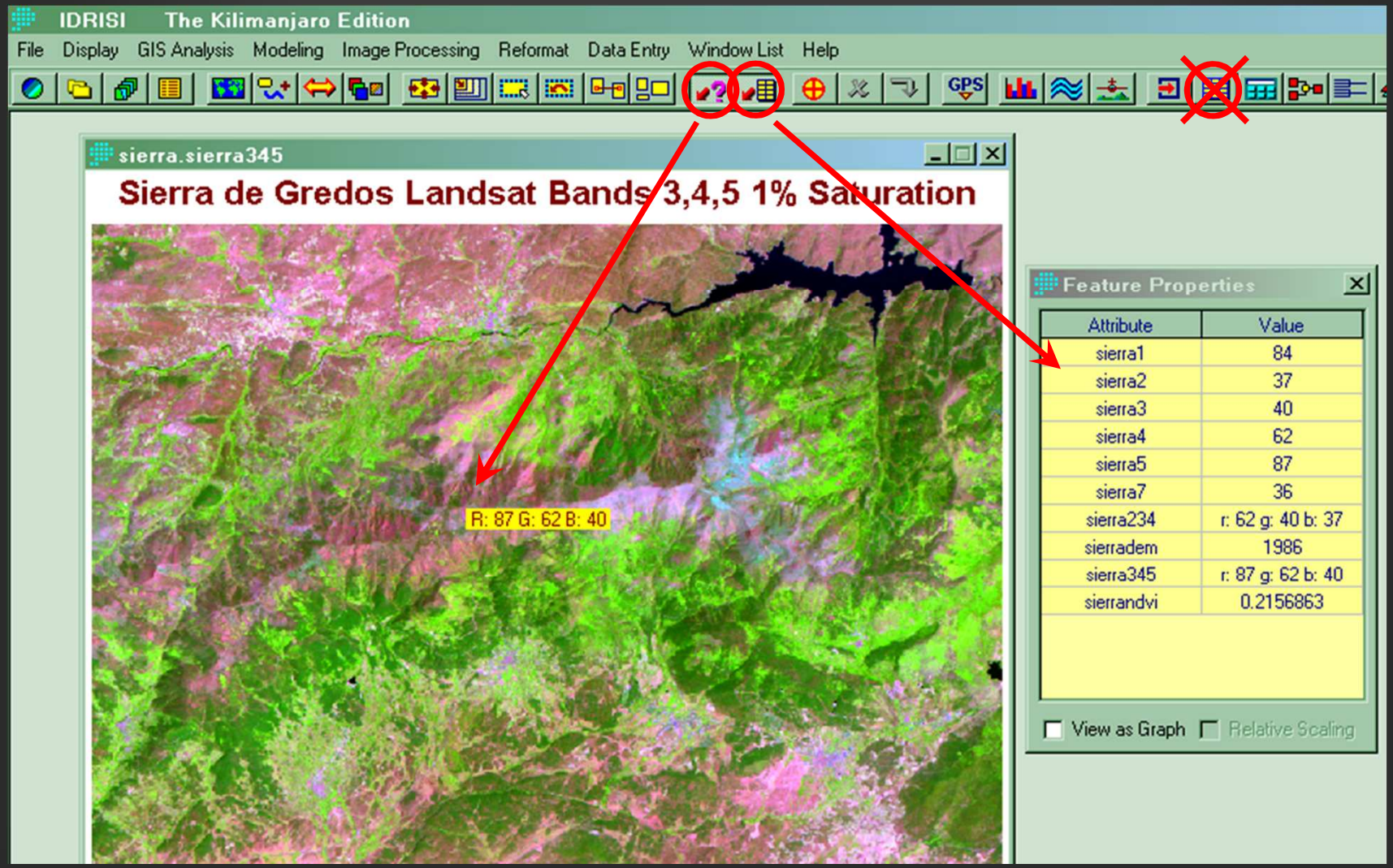
Display: Raster Layer Collections

Collection Editor → File → New → SIERRA2
(SIERRA1, SIERRA2, SIERRA3, SIERRA4, SIERRA5 , SIERRA7, SIERRA234, SIERRA345, SIERRADEM, SIERRANDVI)



Display: Raster Layer Collections

DISPLAY + SIERRA 2 SIERRA345

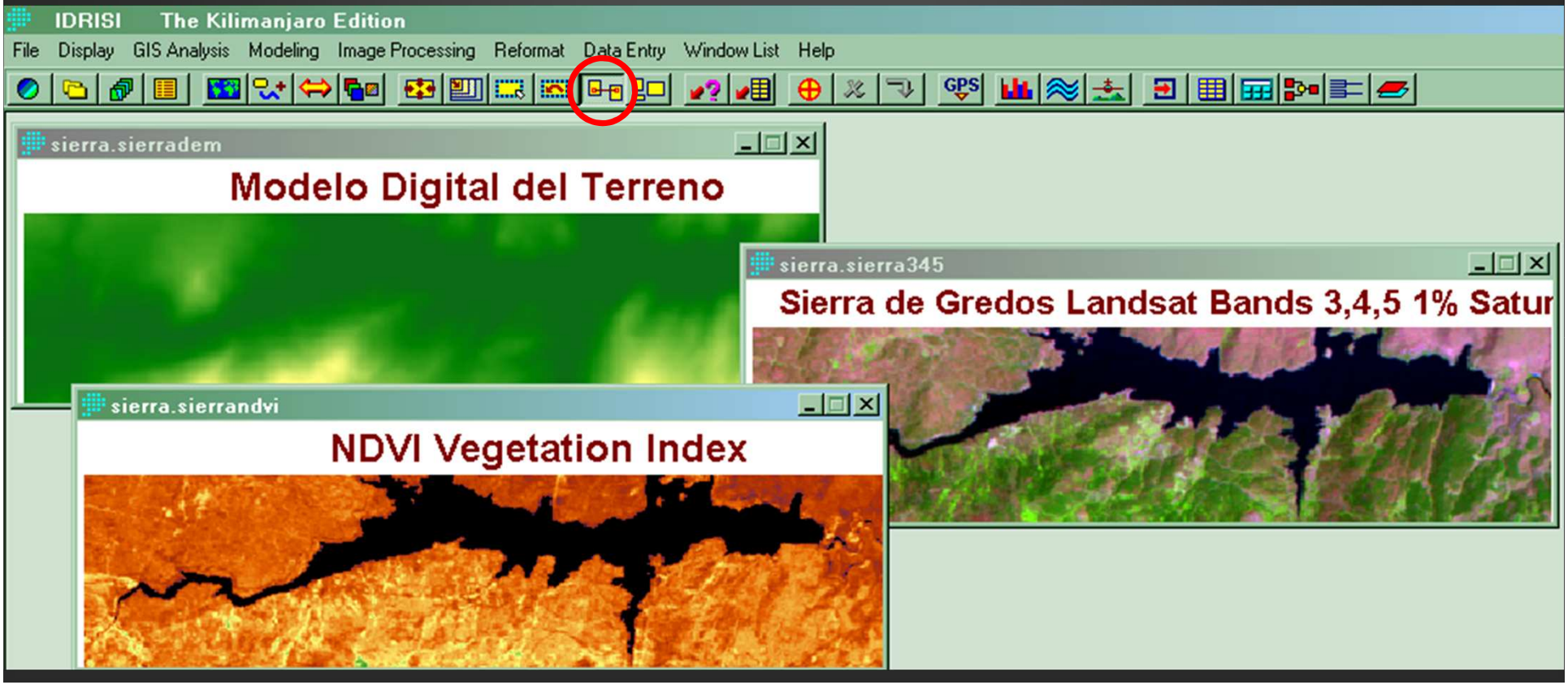


Display: Collection Linked Zoom

DISPLAY + SIERRA SIERRADEM

DISPLAY + SIERRA SIERRA345

DISPLAY + SIERRA SIERRANDVI (NDVI)

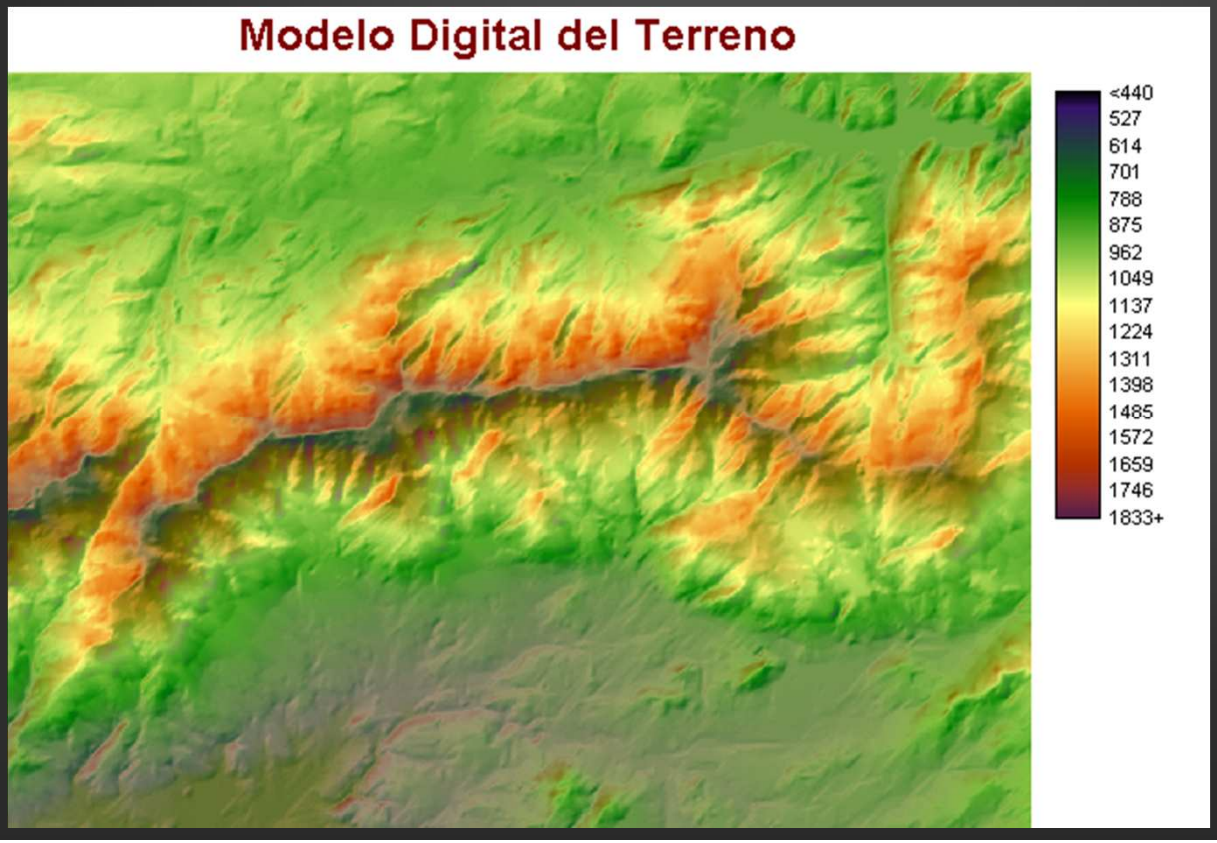


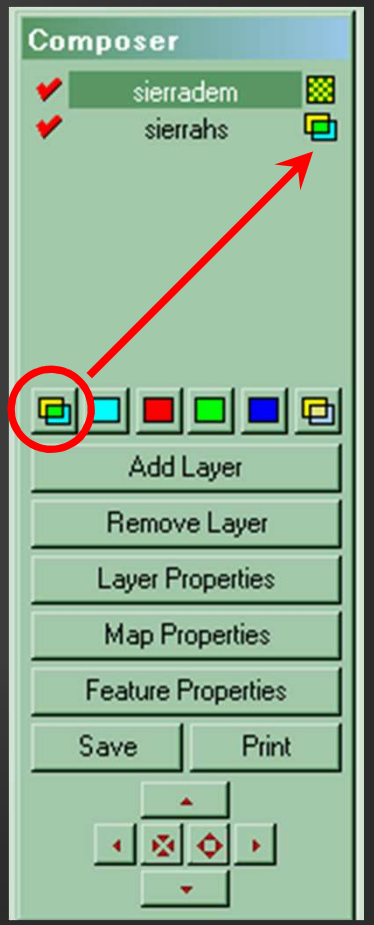
Display: Blends

DISPLAY SIERRADEM

Module HILLSHADE SIERRADEM SIERRAHS

Add Layer SIERRAHS



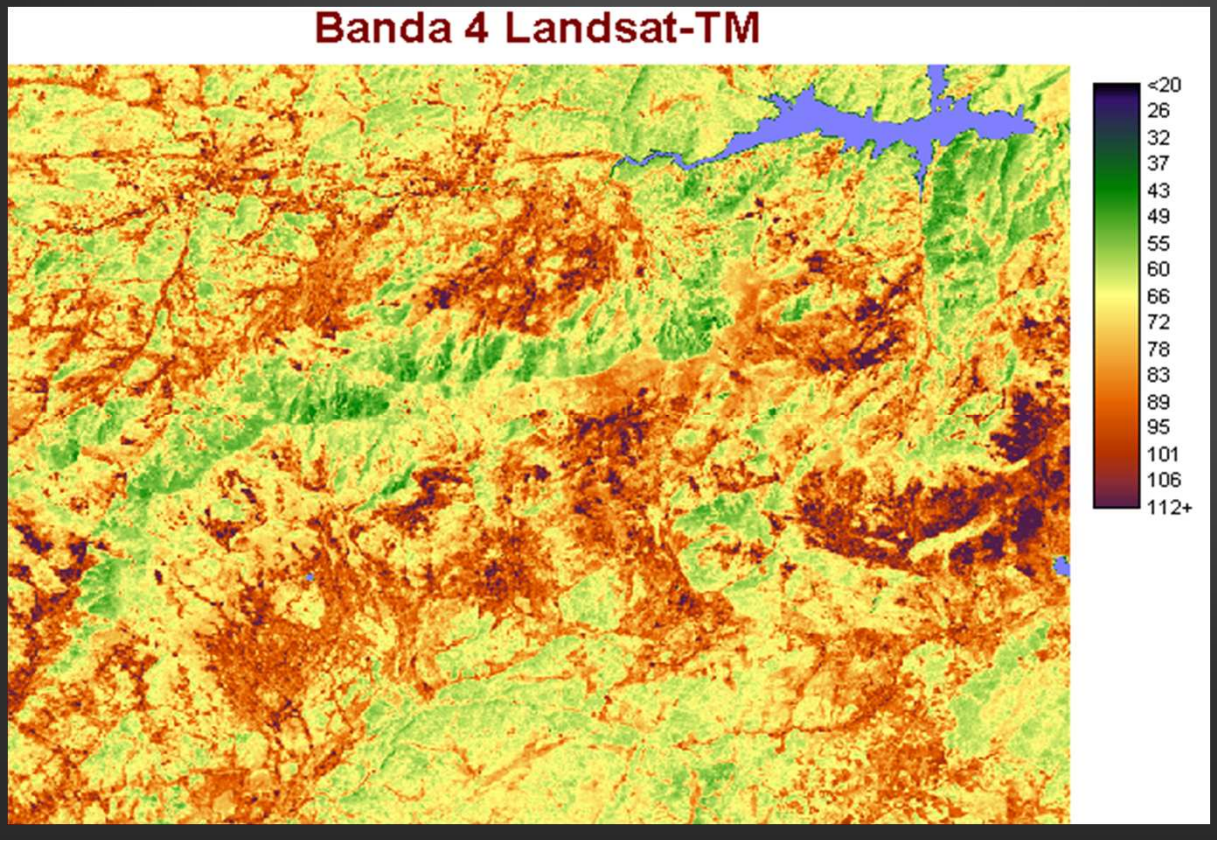


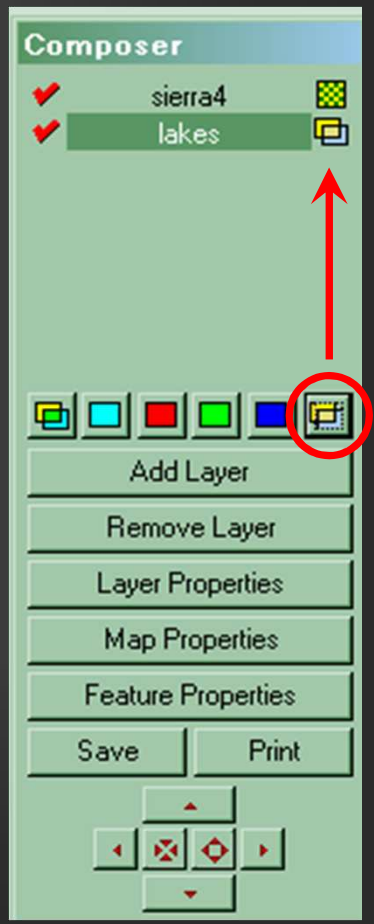
Display: Transparency

DISPLAY SIERRA4

RECLASS SIERRA4 1 0 30 0 30 999 LAKES

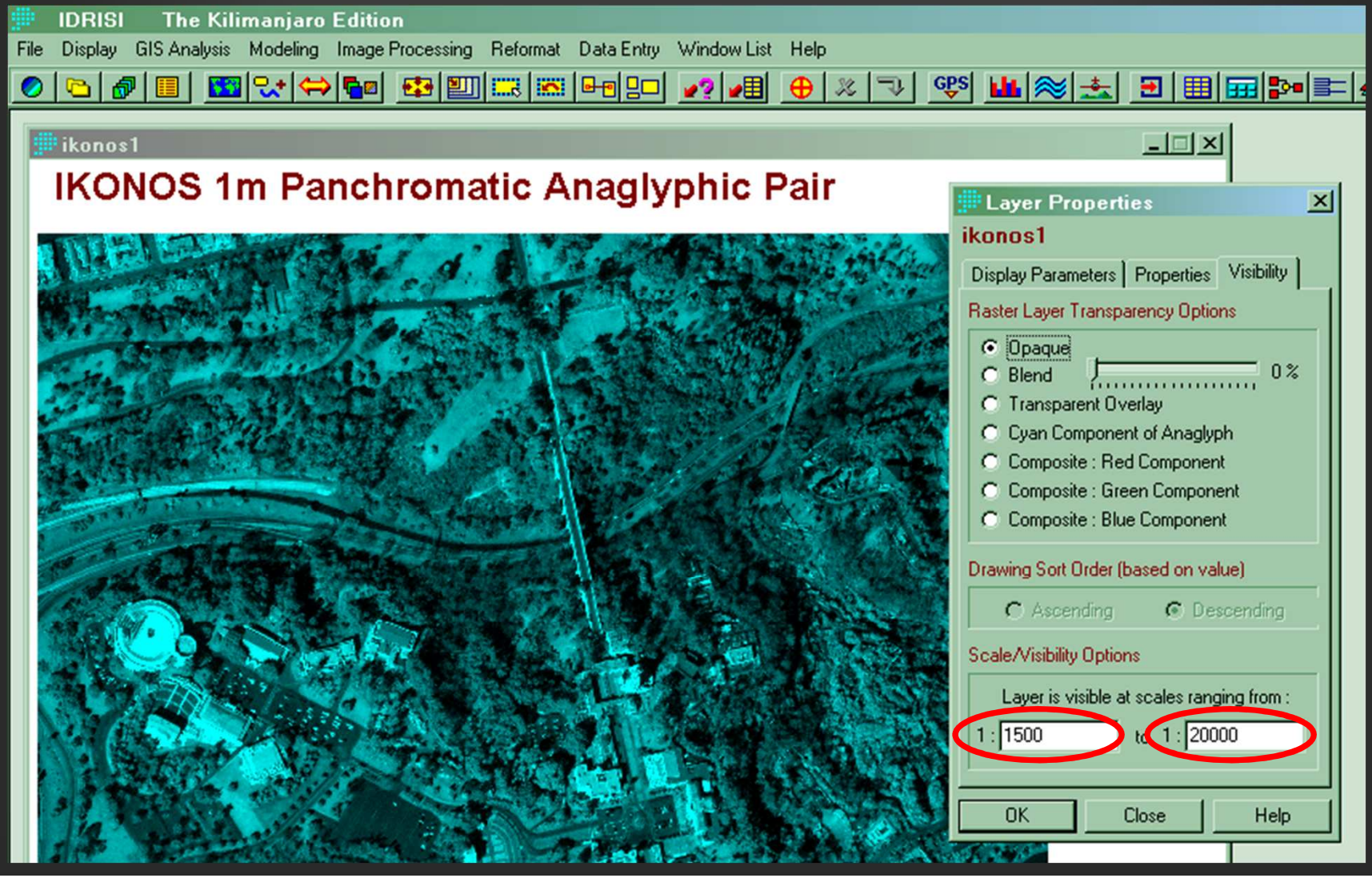
Add Layer LAKES (UniformBlue3)





Display: Layer Visibility

DISPLAY **IKONOS1** (UnipolarBcyan)

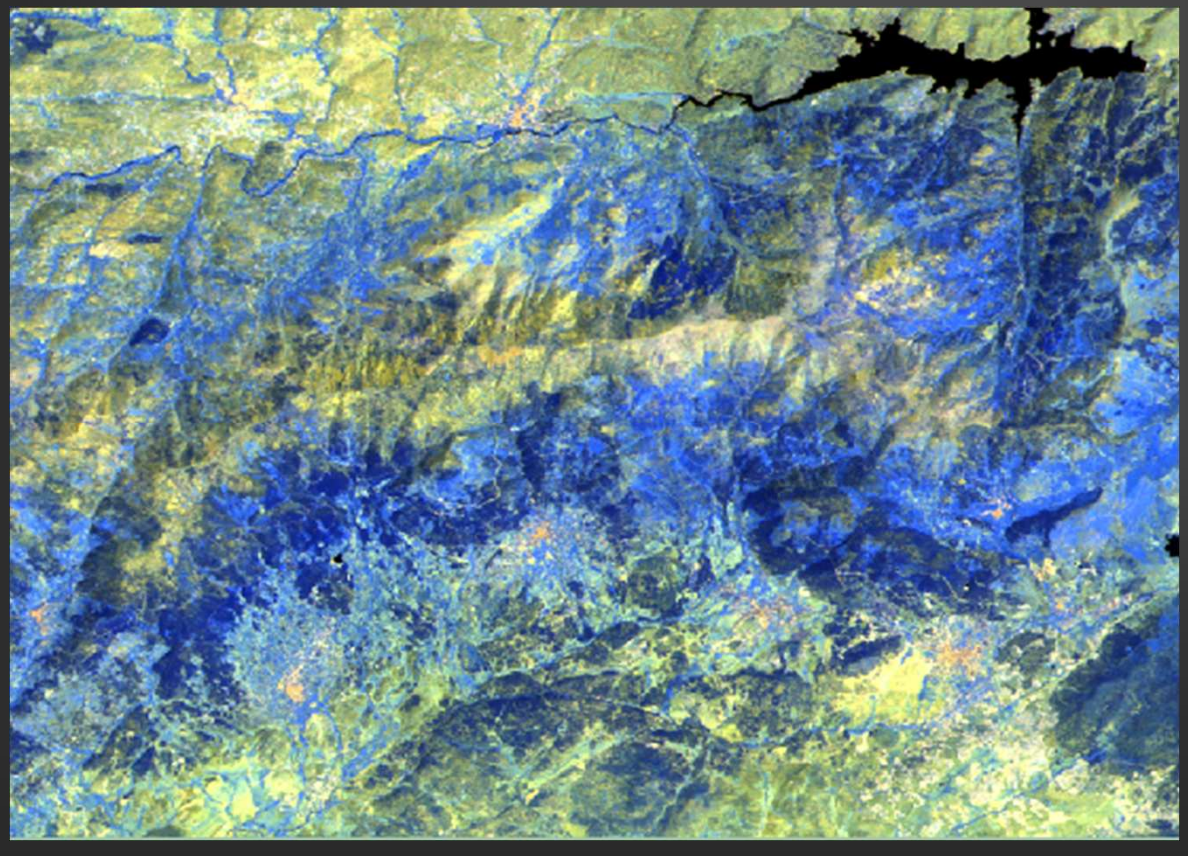


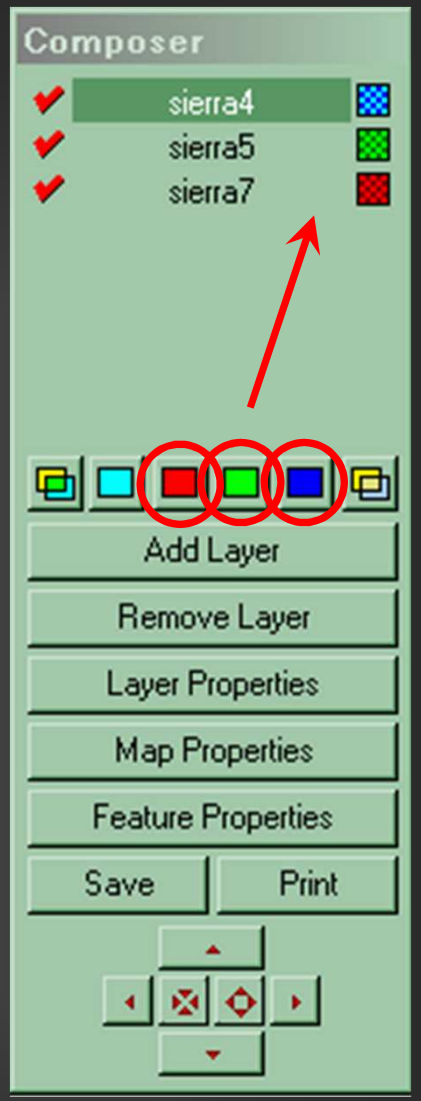
Display: Composites

DISPLAY SIERRA4 (GreyScale)

Add Layer SIERRA5 (GreyScale)

Add Layer SIERRA7 (GreyScale)



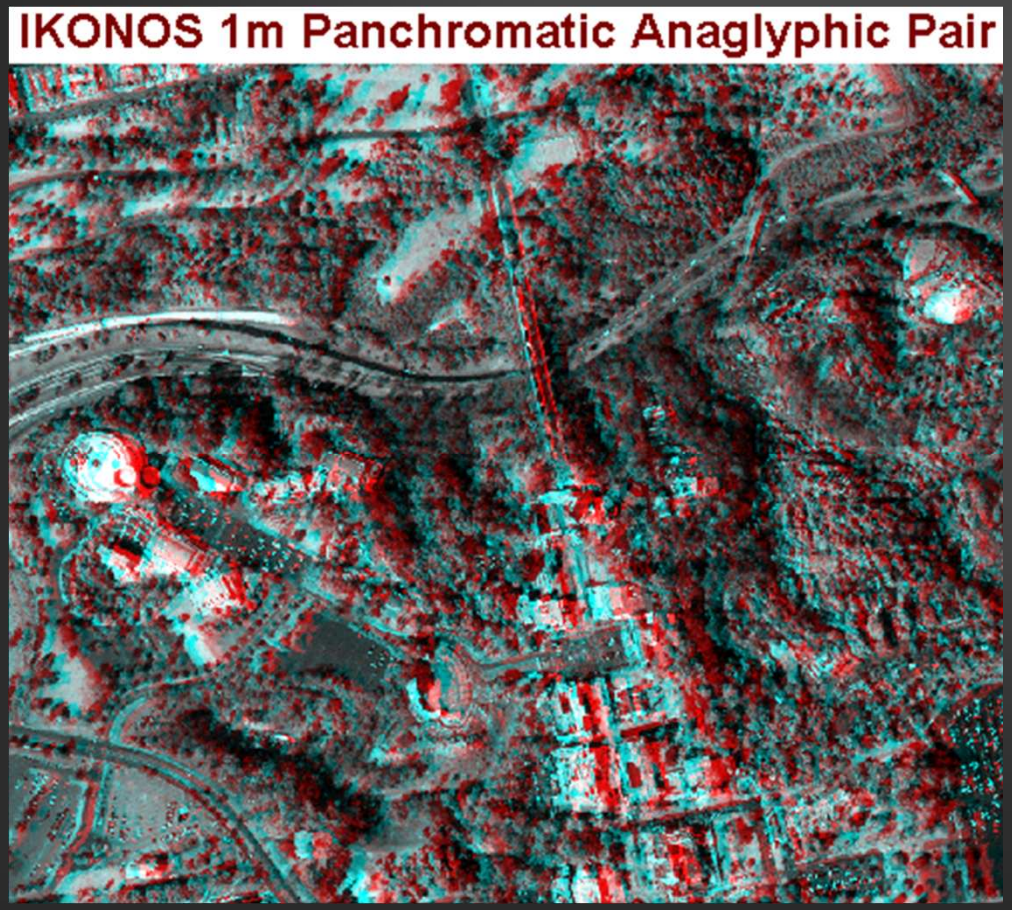


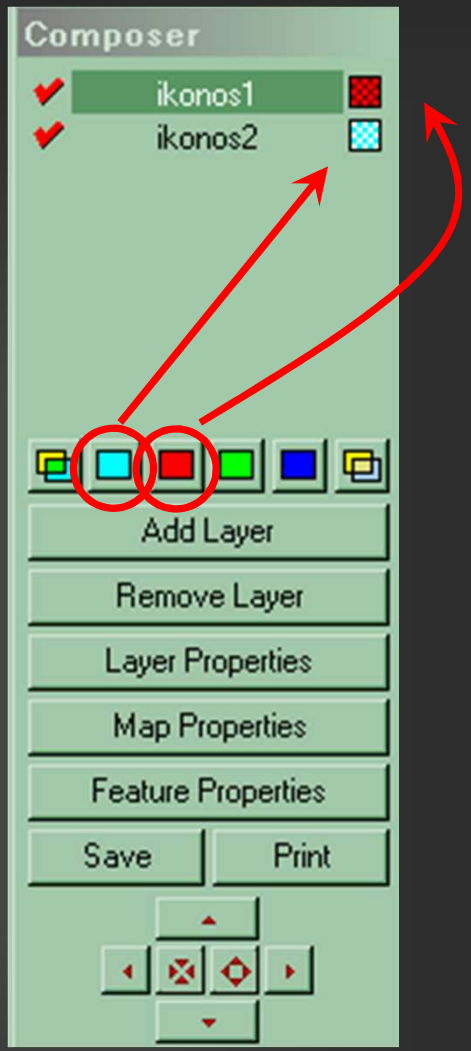
- COMPOSITE
- SEPARATE

Display: Anaglyphs

DISPLAY IKONOS1 (GreyScale)

Add Layer IKONOS2 (GreyScale)





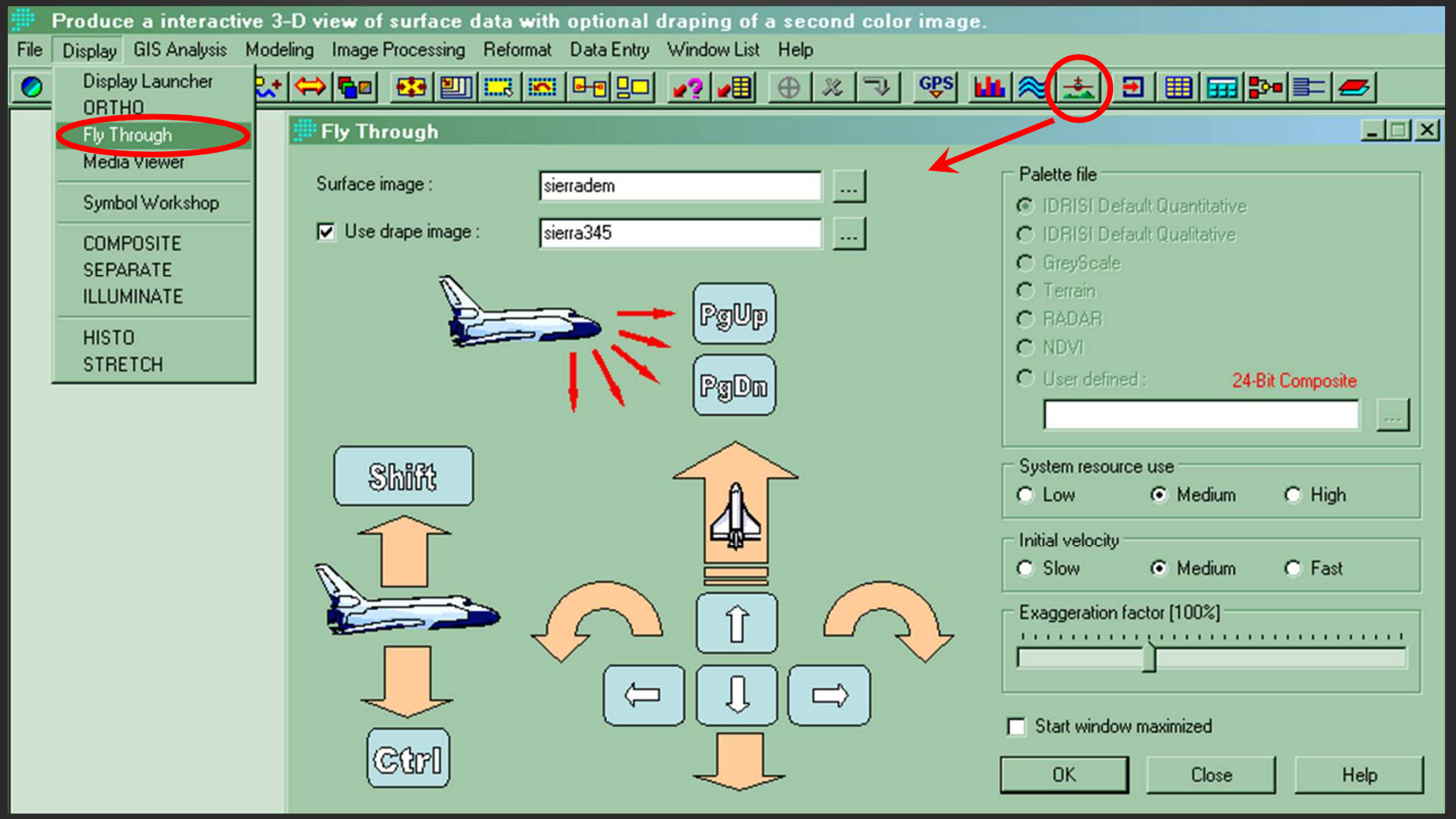
- 3D glasses

RED = left eye

CYAN = right eye

Display: Surface – Fly Through

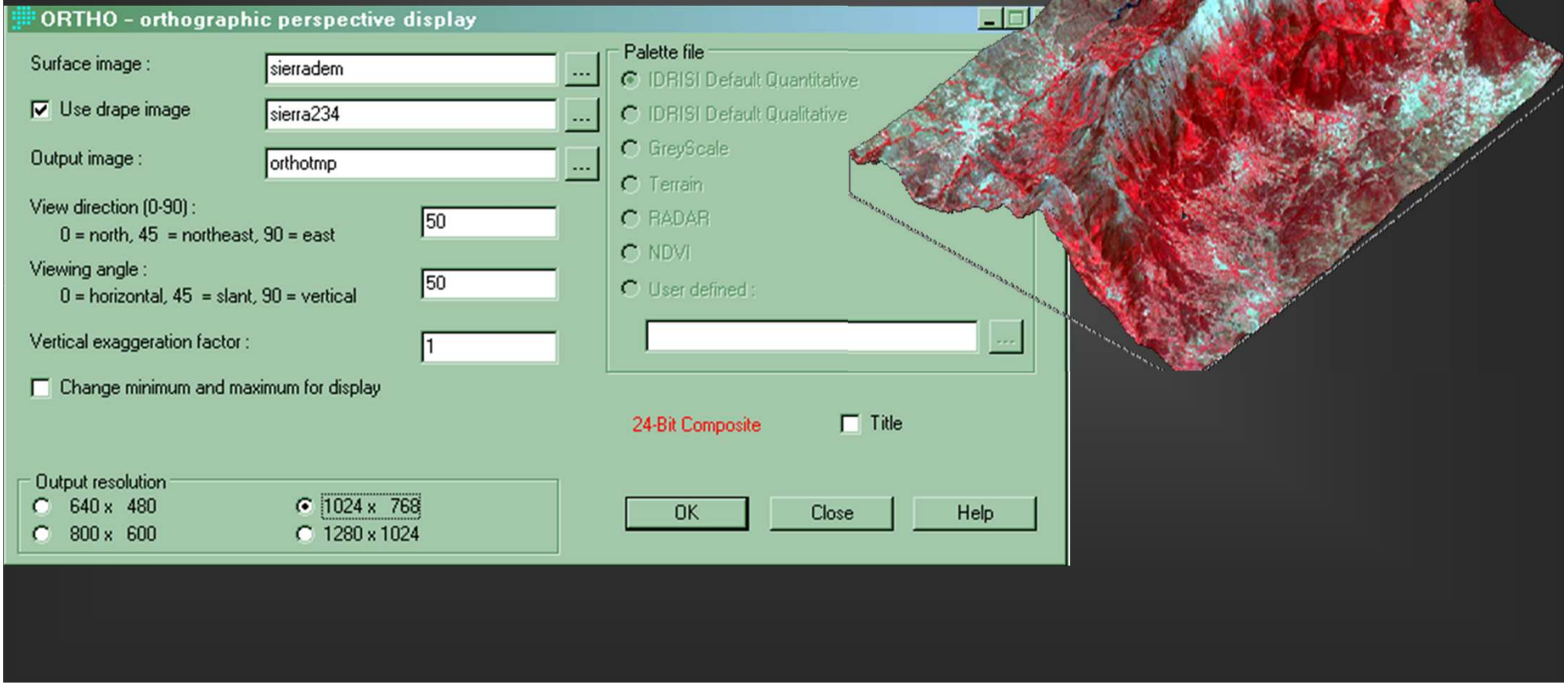
Fly Through | SIERRADEM | SIERRA345



Display: Surface – Orthographic perspective

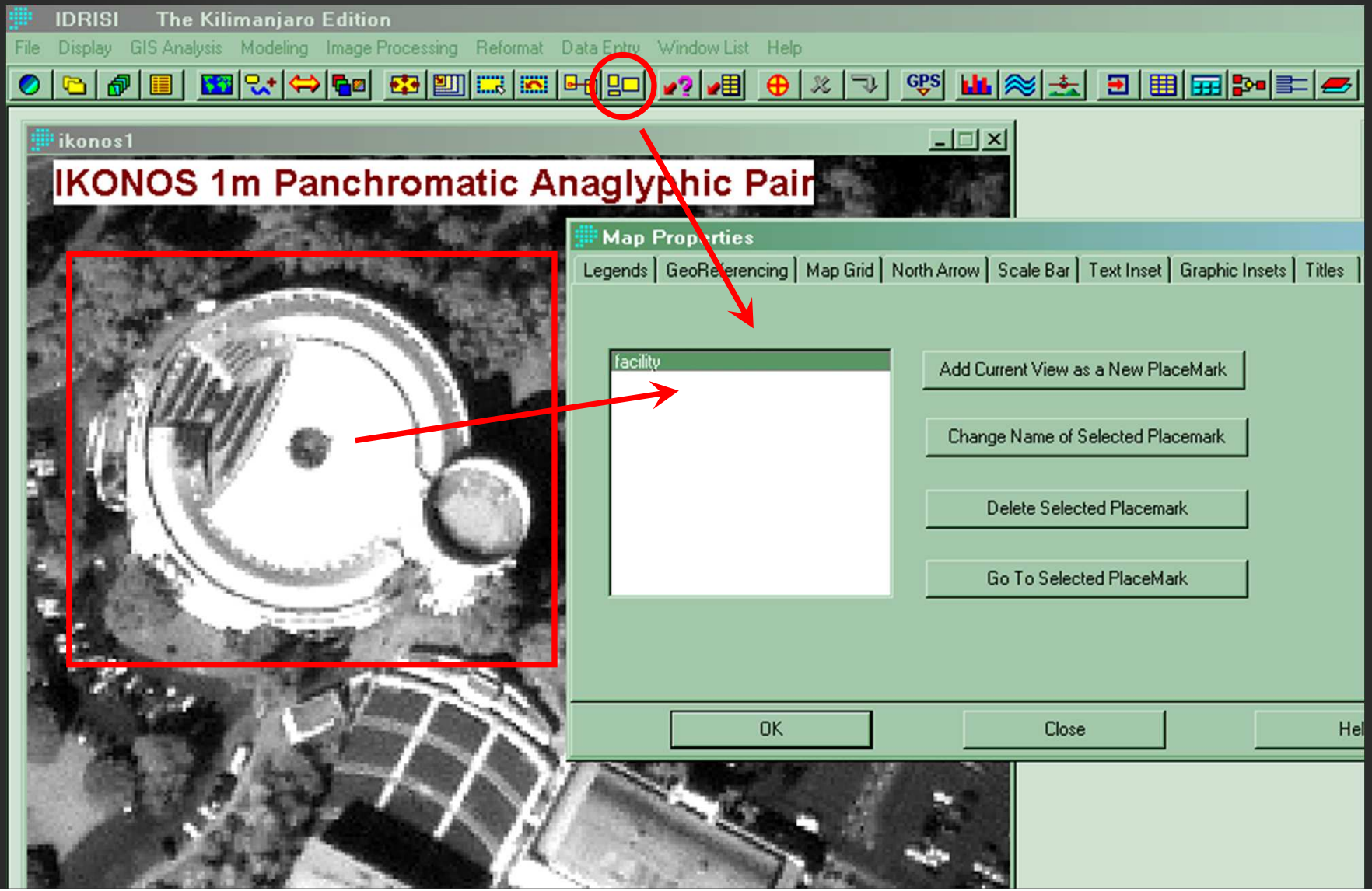
DISPLAY SIERRA234

ORTHO SIERRADEM SIERRA234

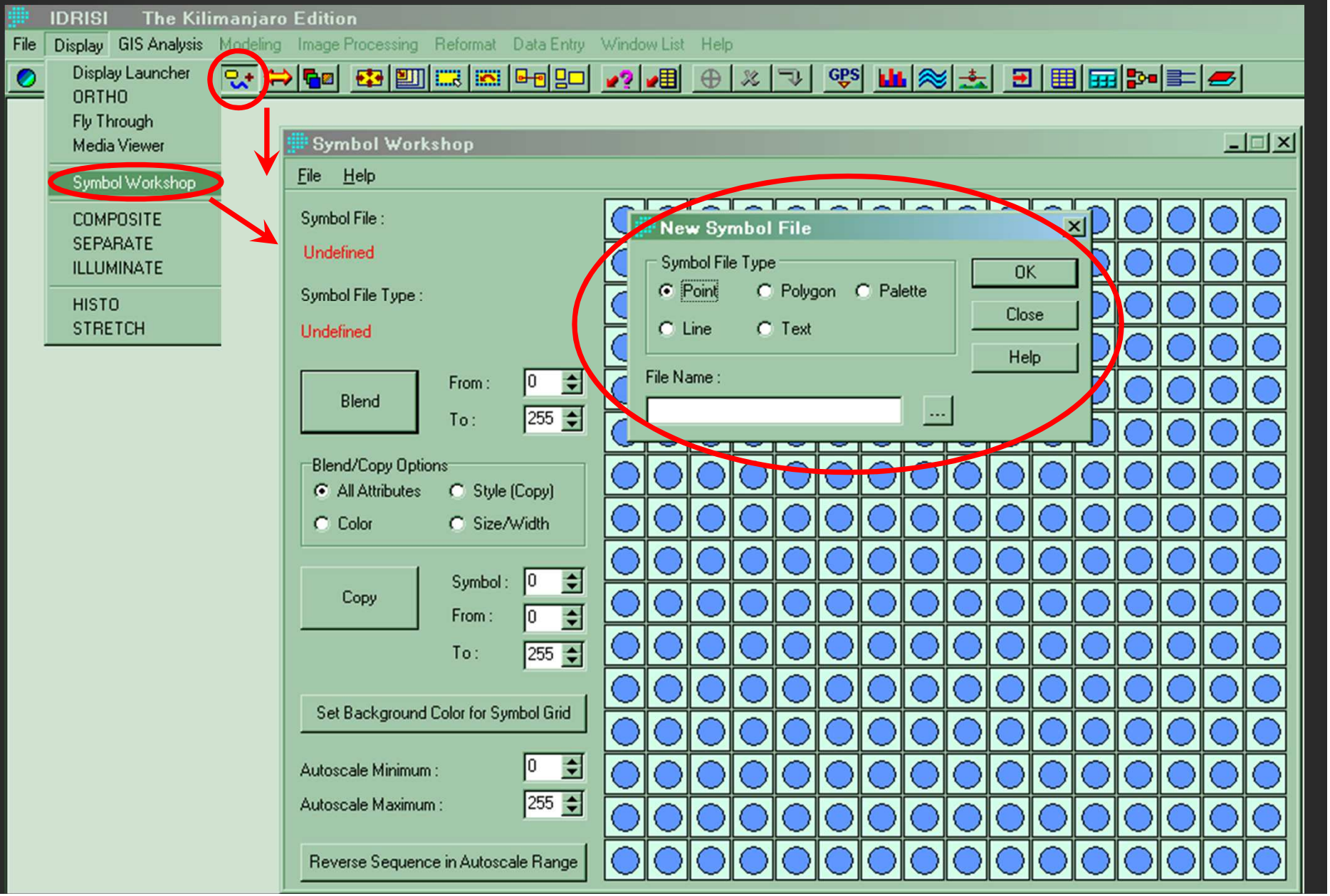


Display: Placemarks

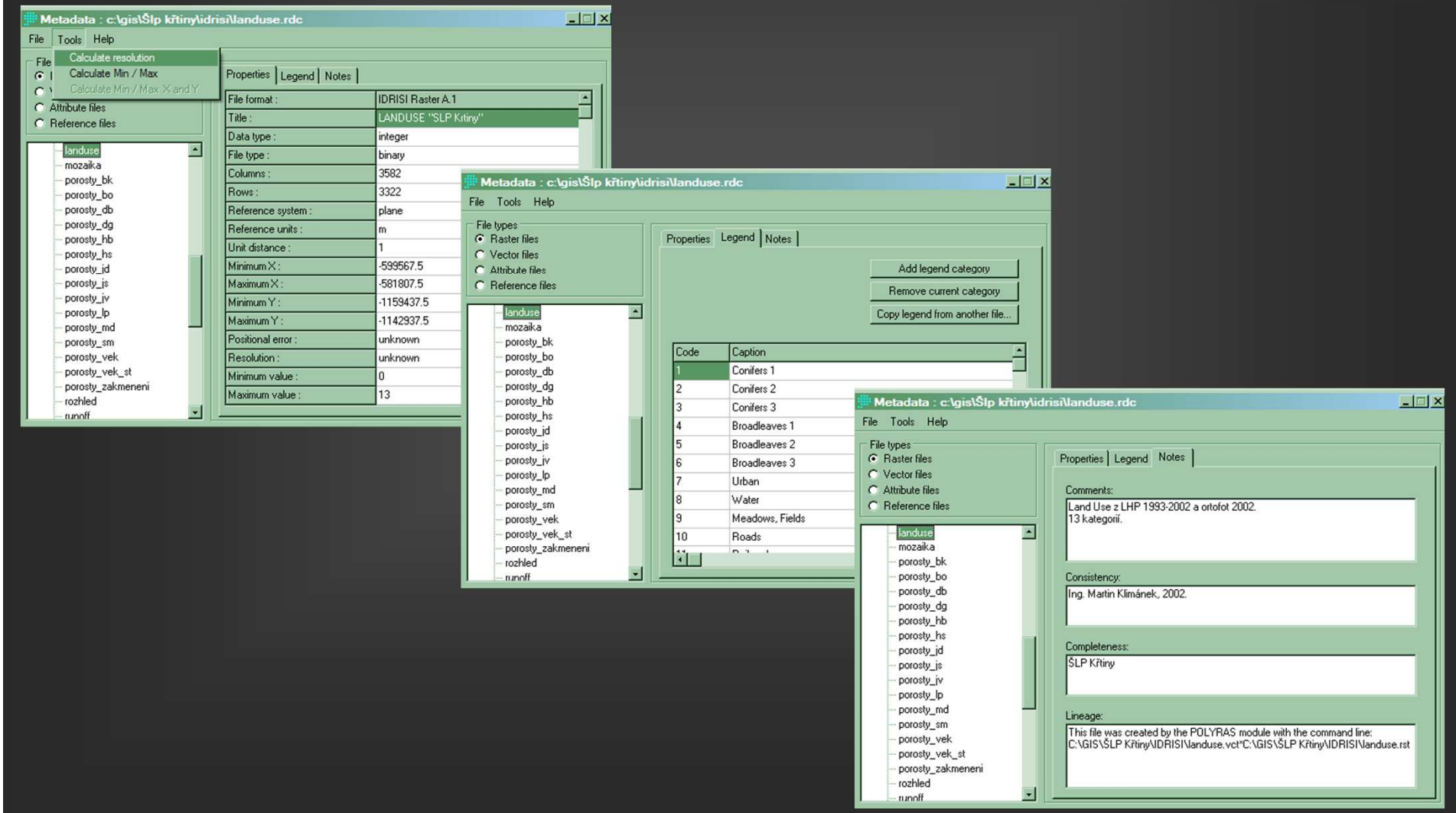
DISPLAY IKONOS1 (Greyscale)



Symbol Files



Data Structures

File → IDRISI File Explorer → View Metadata

(Composer → Layer Properties → Properties → View Metadata)