

An Introduction to IDRISI ANDES

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Presentation contents:

- 1. IDRISI Environment**
- 2. Menu Organization**
- 3. Composer Utility**
- 4. Review on Tutorial**

Part 1: IDRISI Interface

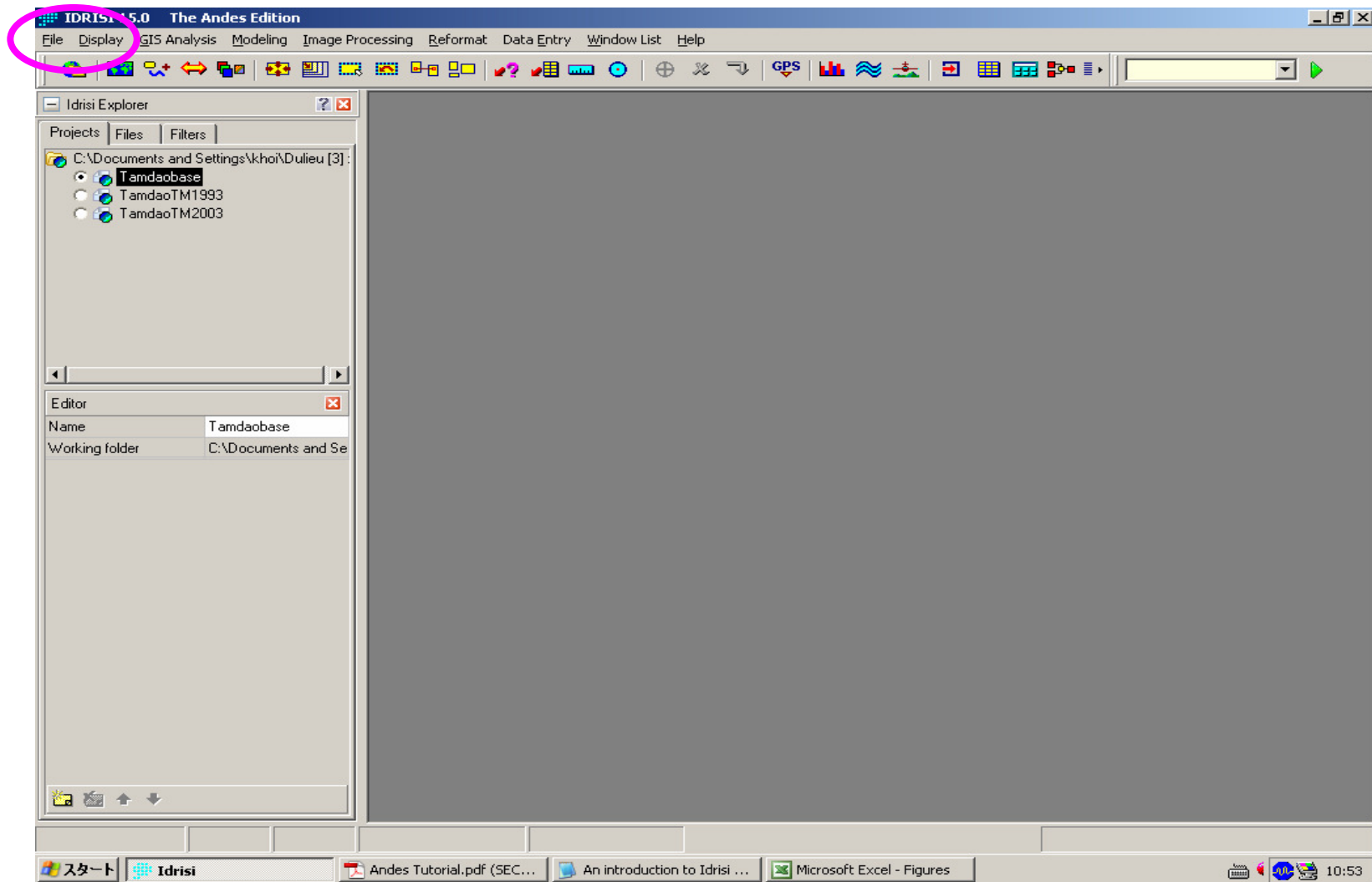


Fig.1: Explorer for locating a working folder

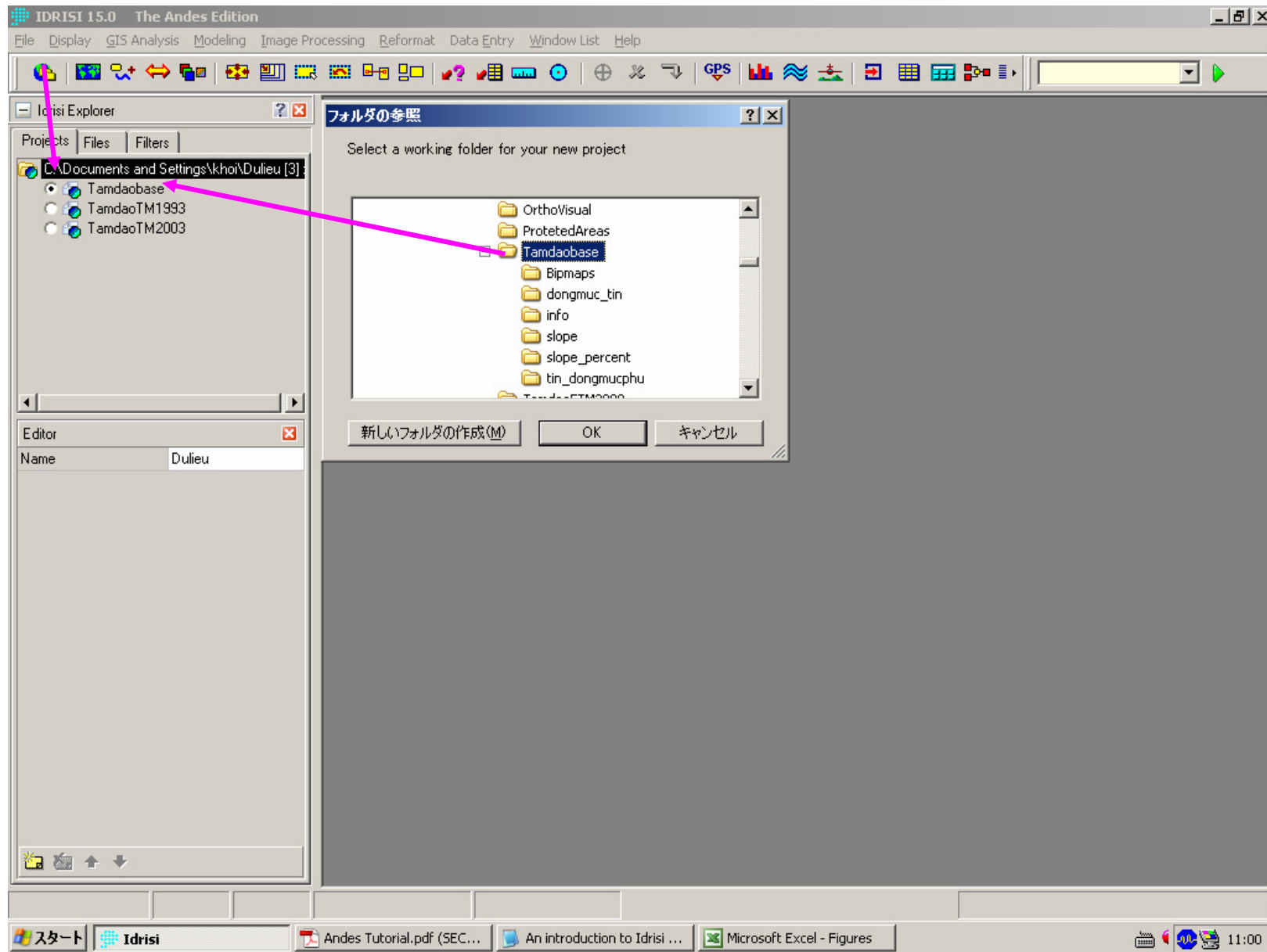


Fig.2: Selecting a working folder & resource folders

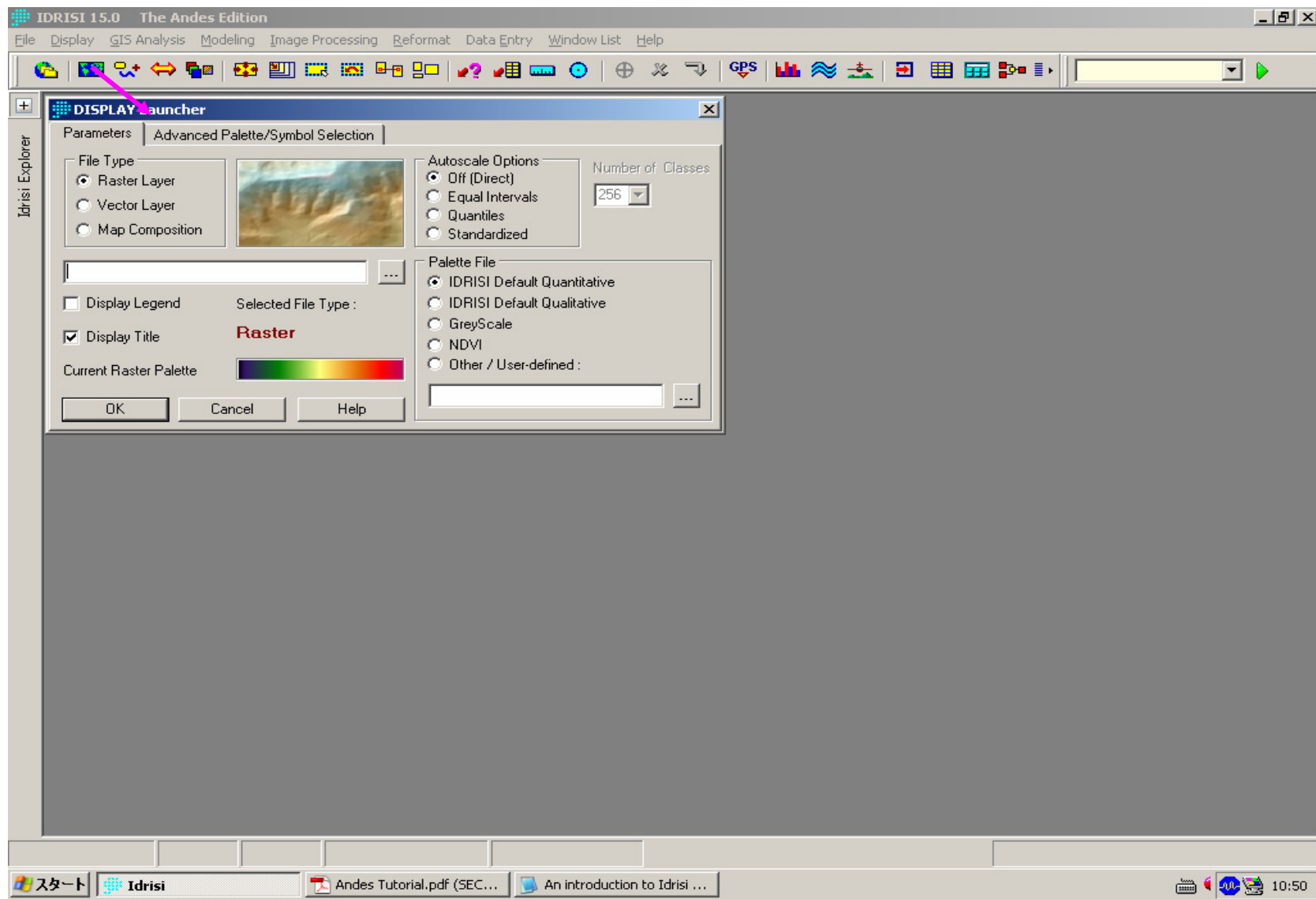


Fig.3: Launcher for displaying map/layer

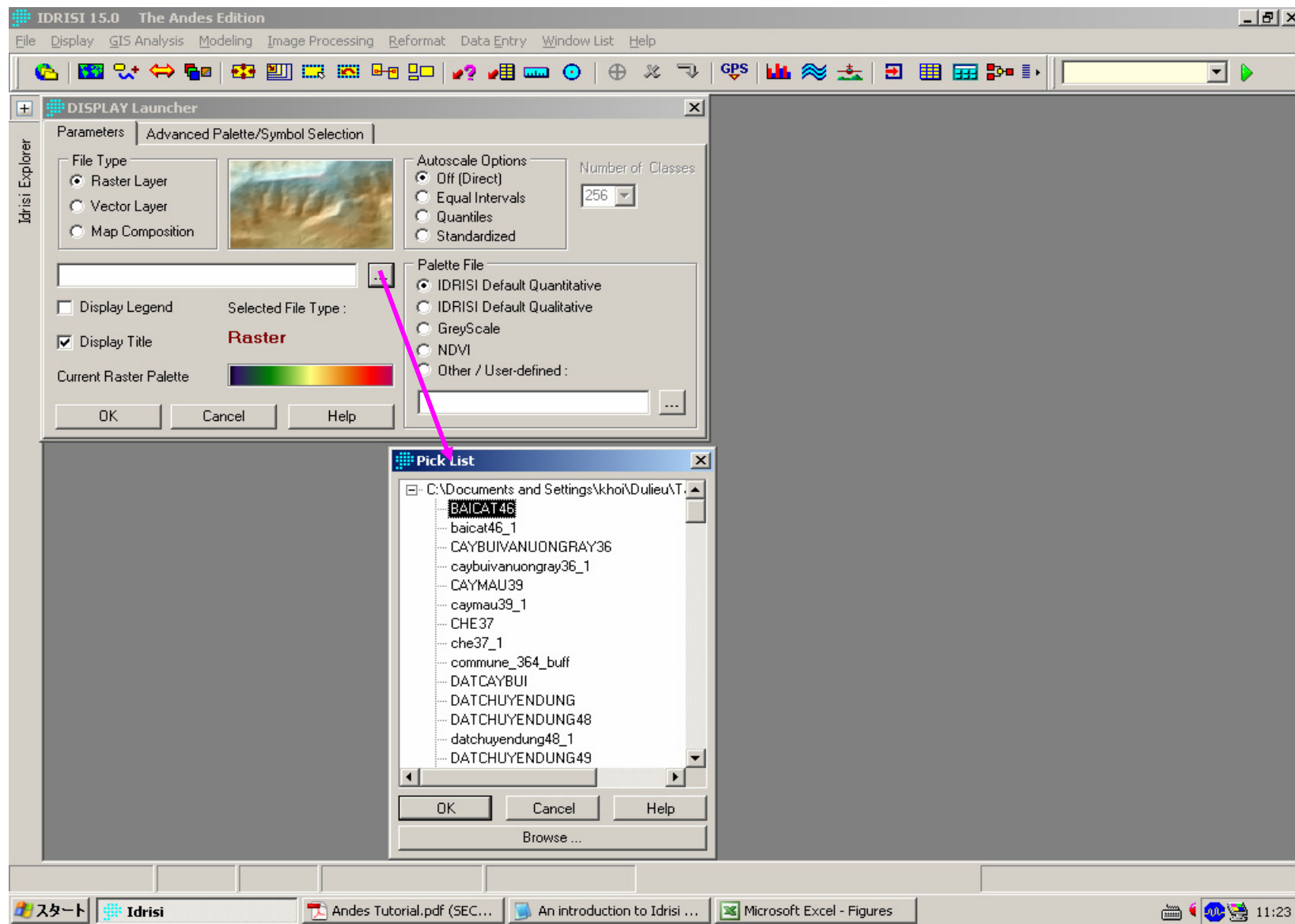


Fig.4: Selecting a map/layer in working or resource folders

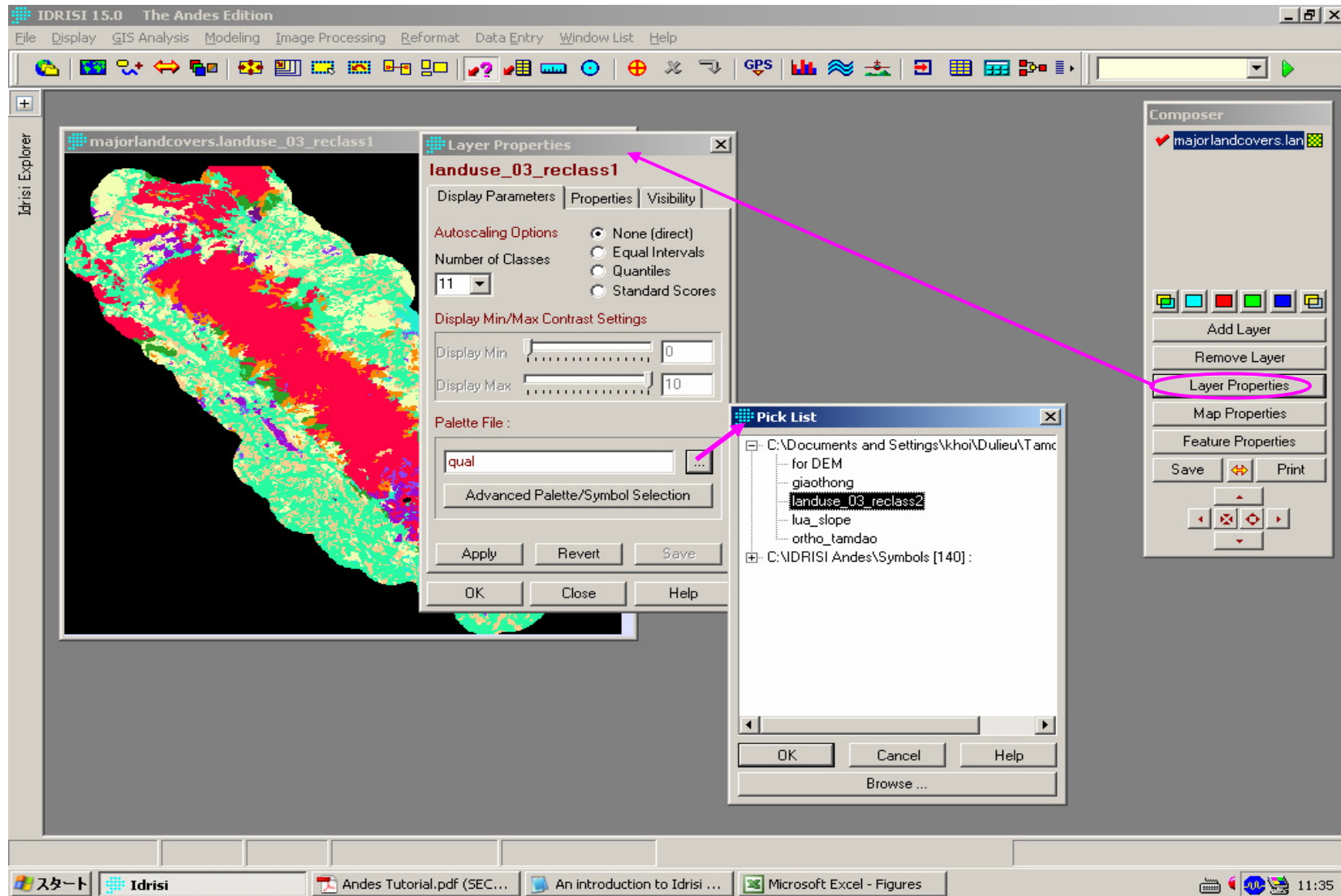


Fig.5: Selecting a palette symbol or creating your own one

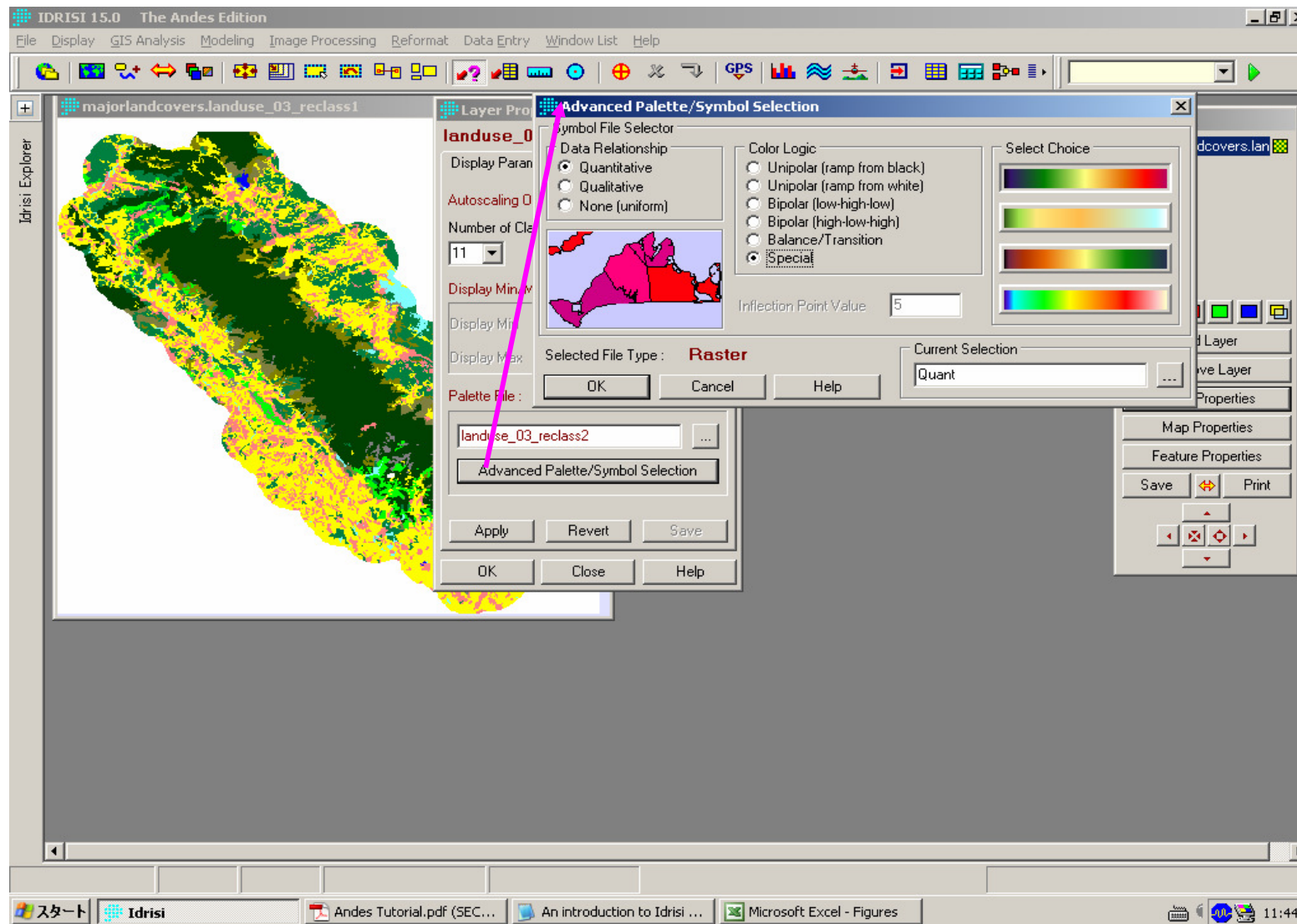


Fig.6: Advanced palettes/symbol selection

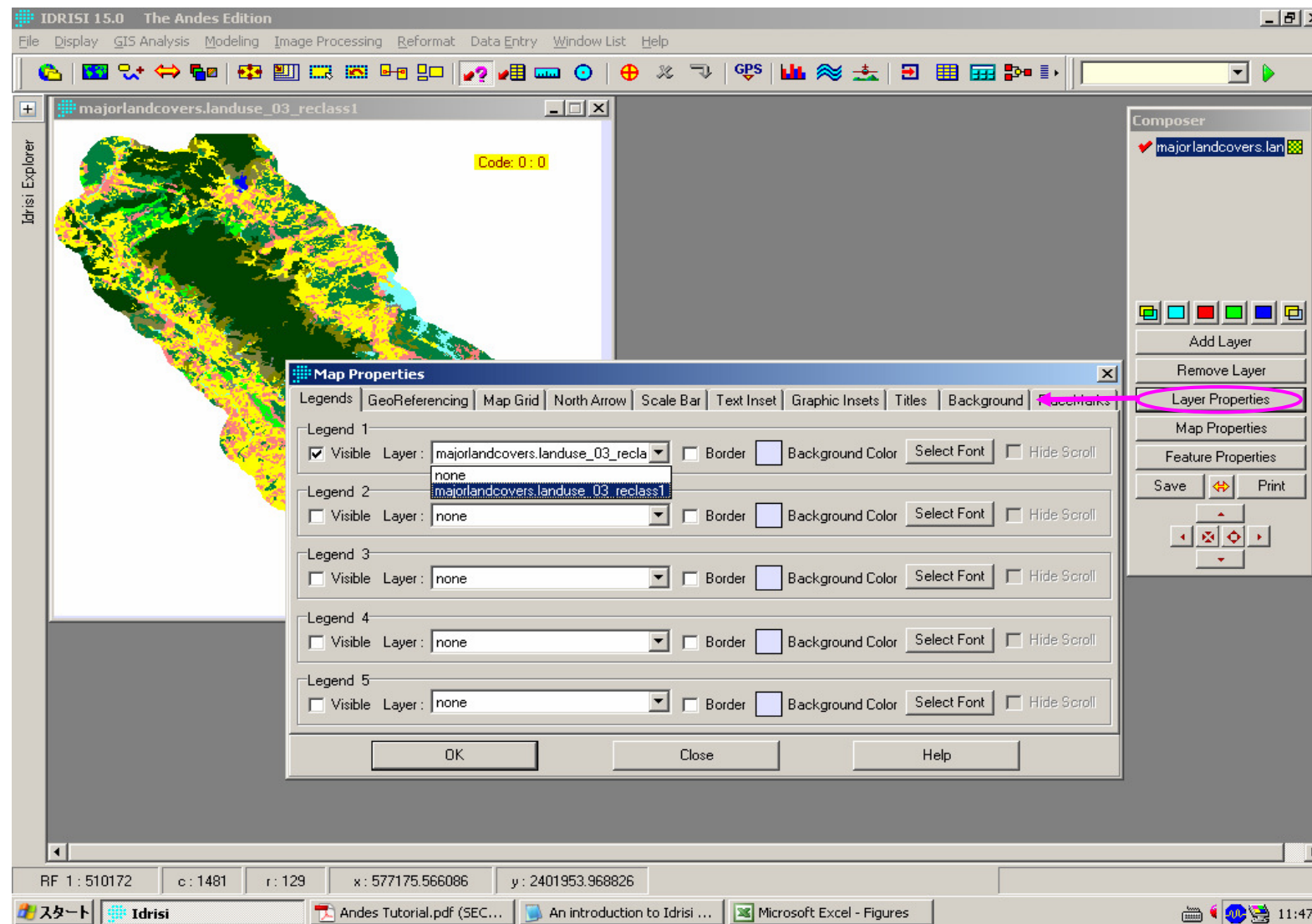


Fig.7: Displaying legends of map

Part 2: Menu System Organization, let see some modules

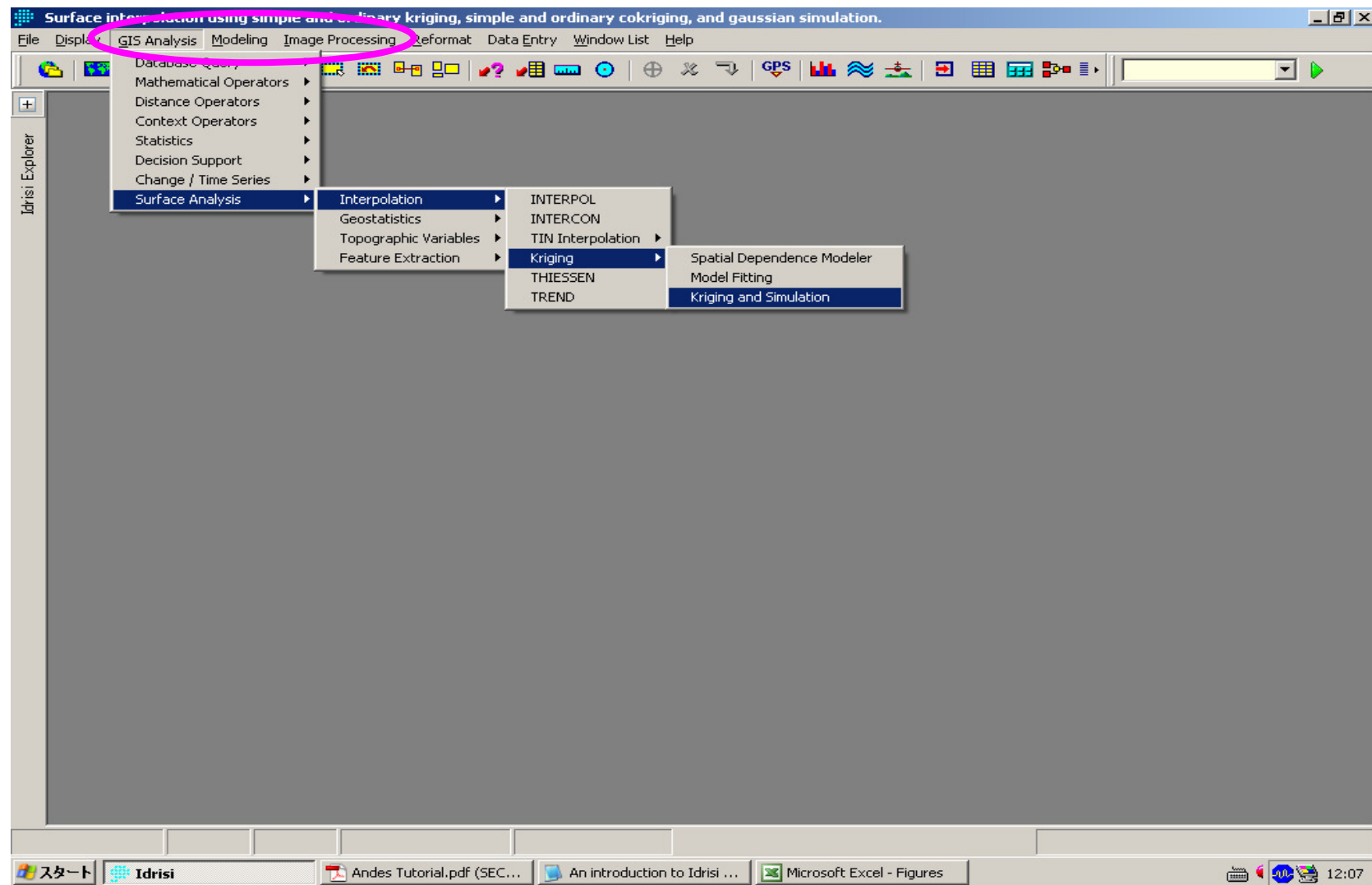


Fig.8: Surface analysis for spatial analysis/modeling

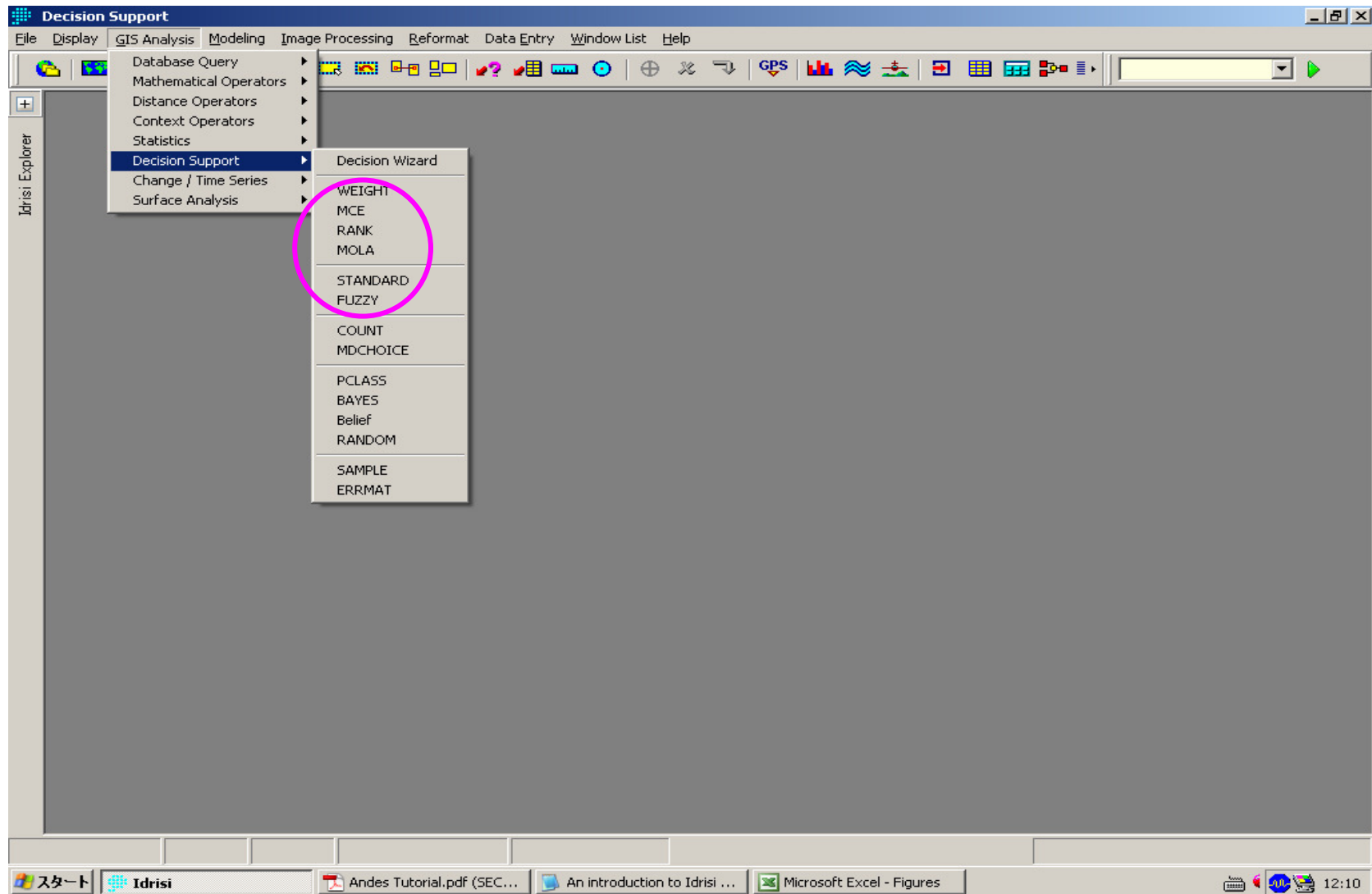


Fig.9: Decision support utility for land evaluation/land use planning

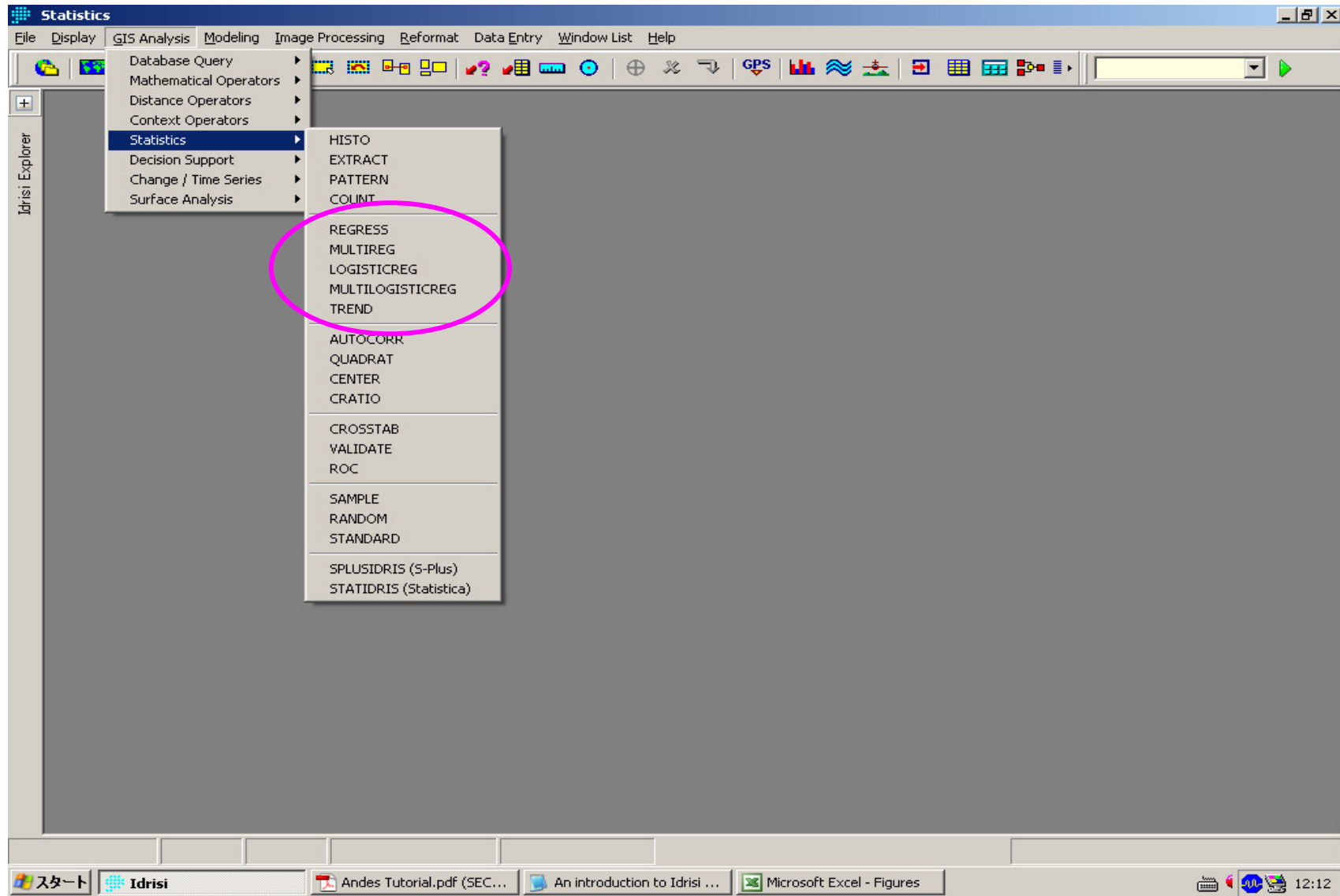


Fig.10: Statistical analysis using statistics & geo-statistics

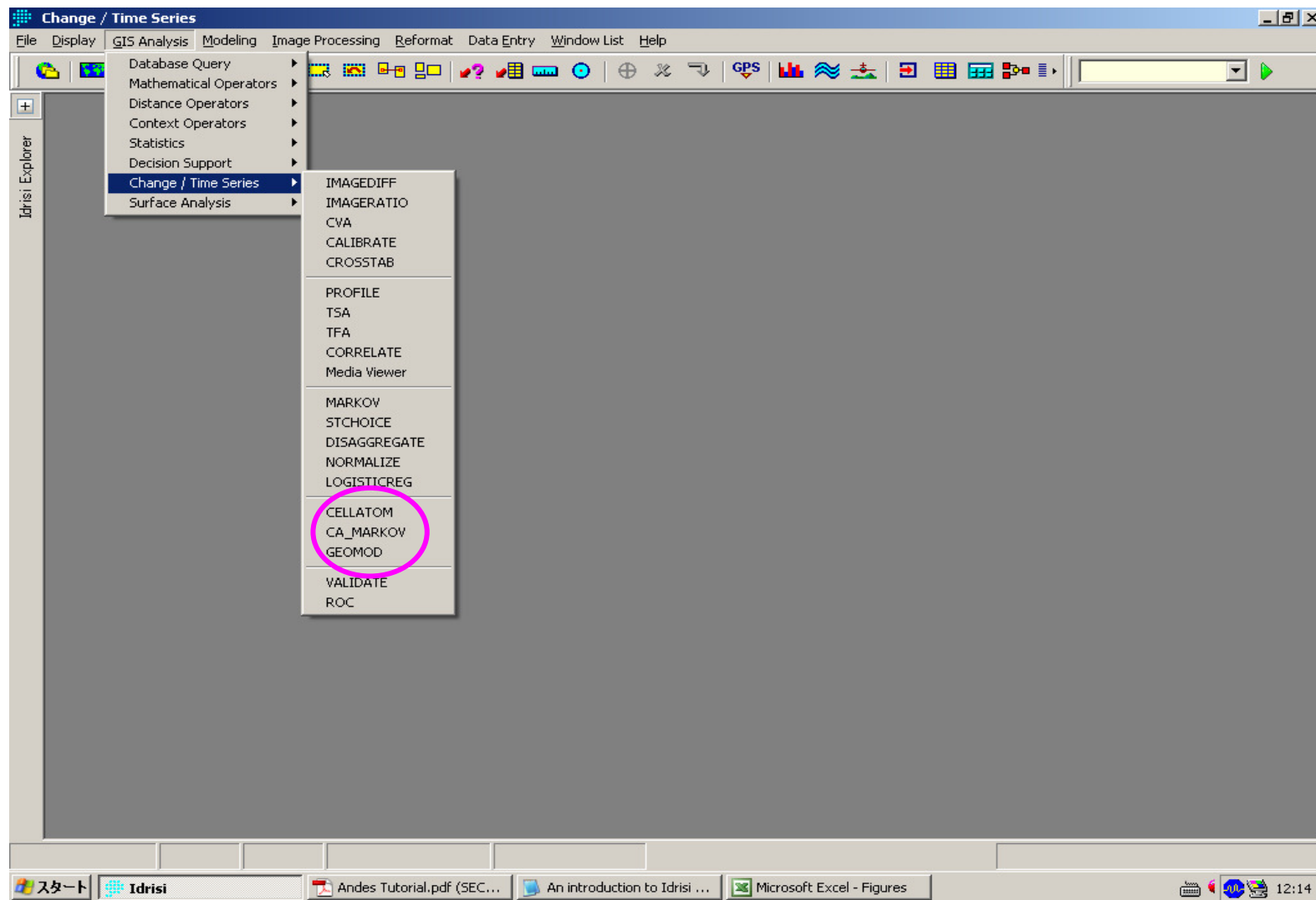


Fig.11: Change & time series analysis (dynamic modeling)

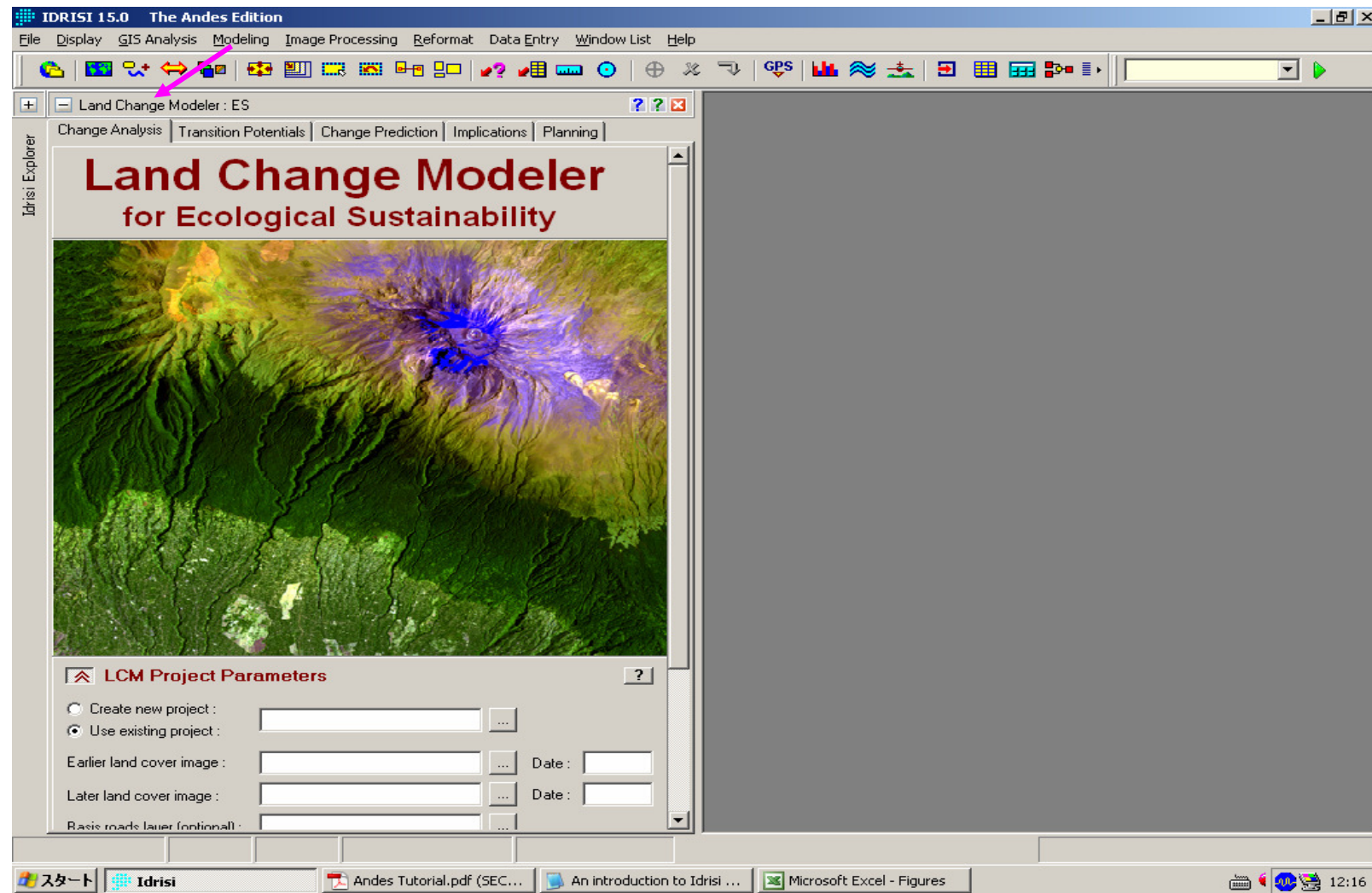


Fig.12: Land change analysis, modeling complexities of human-ecosystem interface

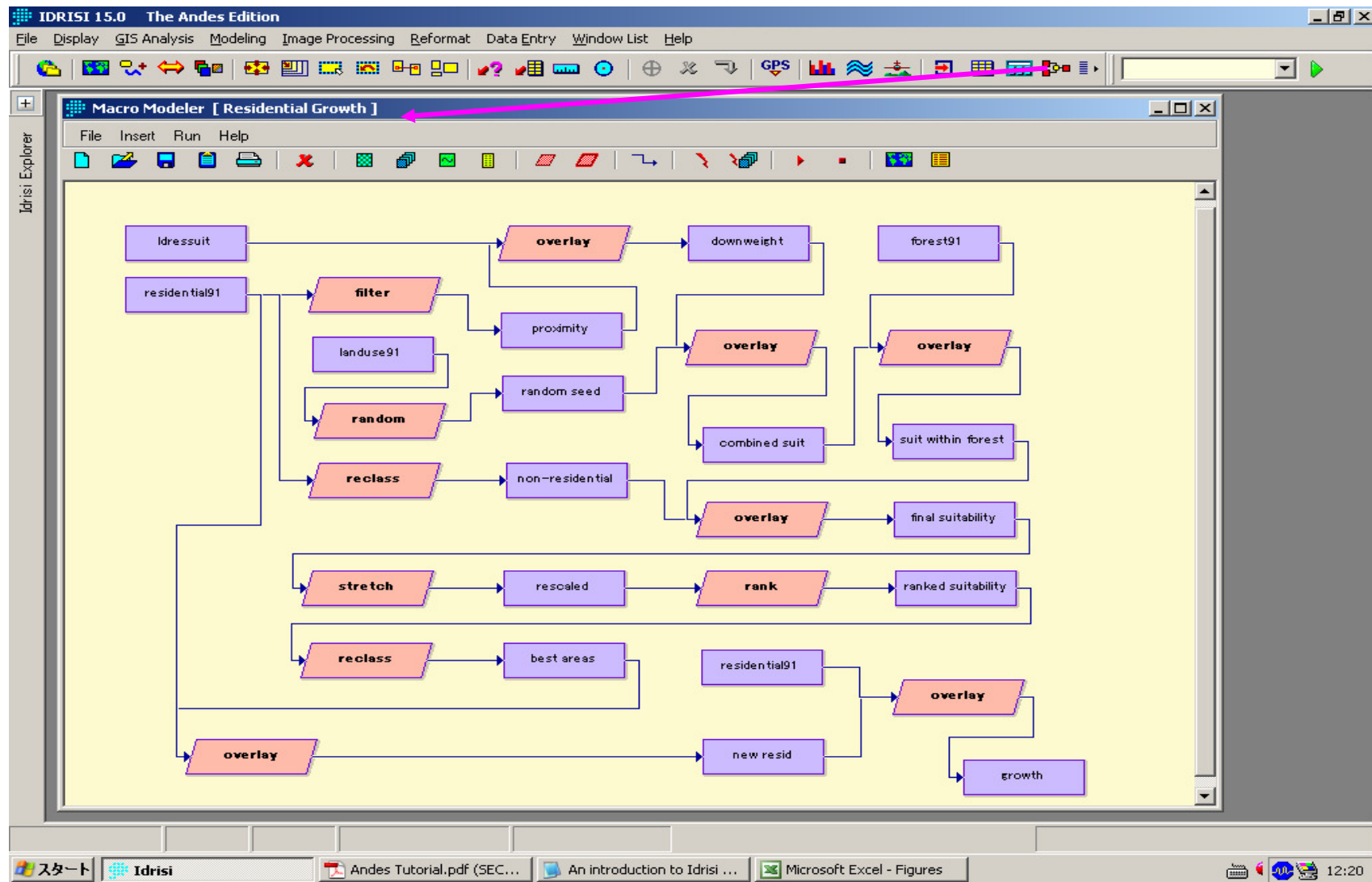


Fig.13: Macro modeler for cartographic modeling & simulations

(it is easy to adjust parameters/variables during simulation process)

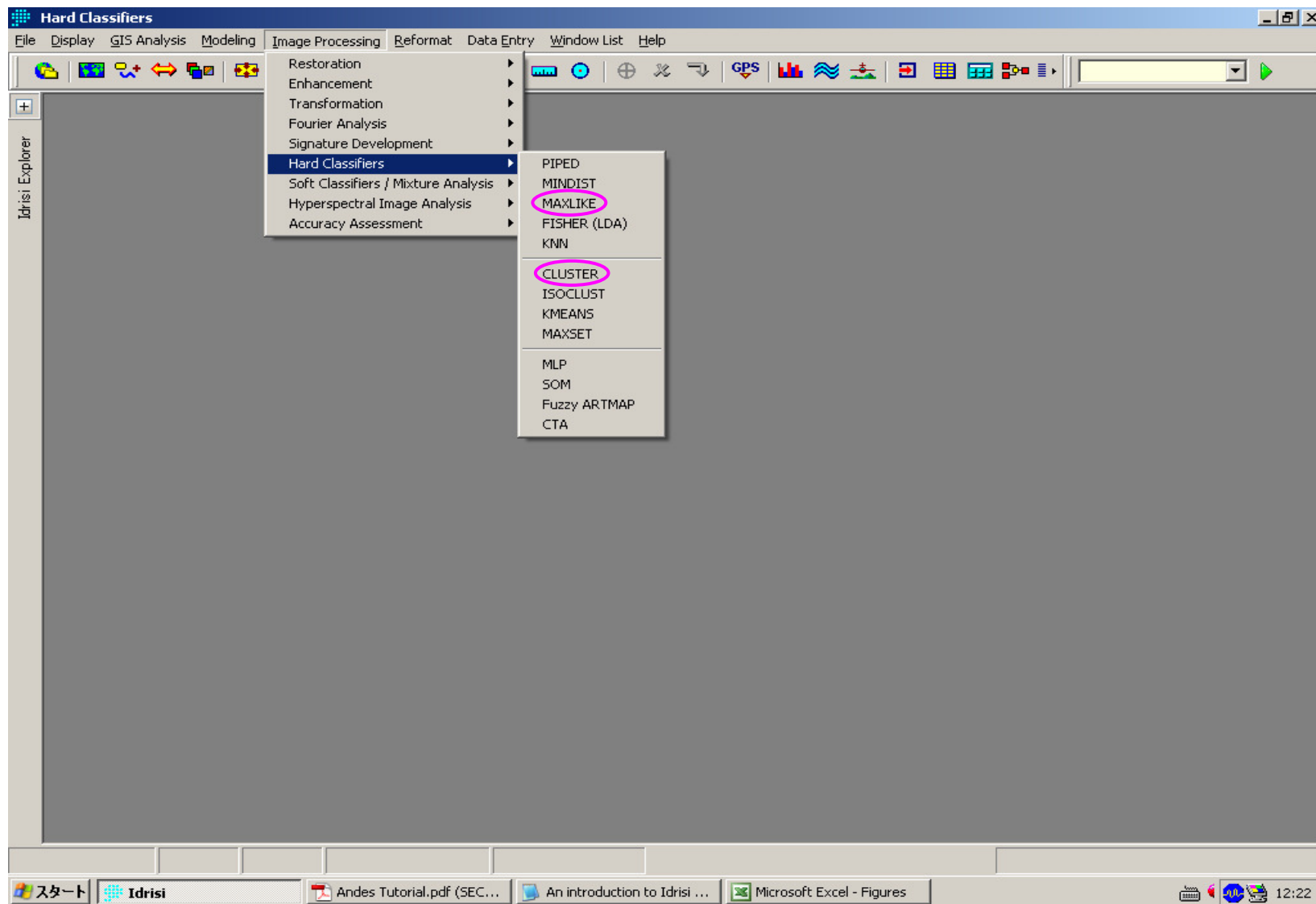


Fig.14: Hard classifiers with supervised or non-supervised data

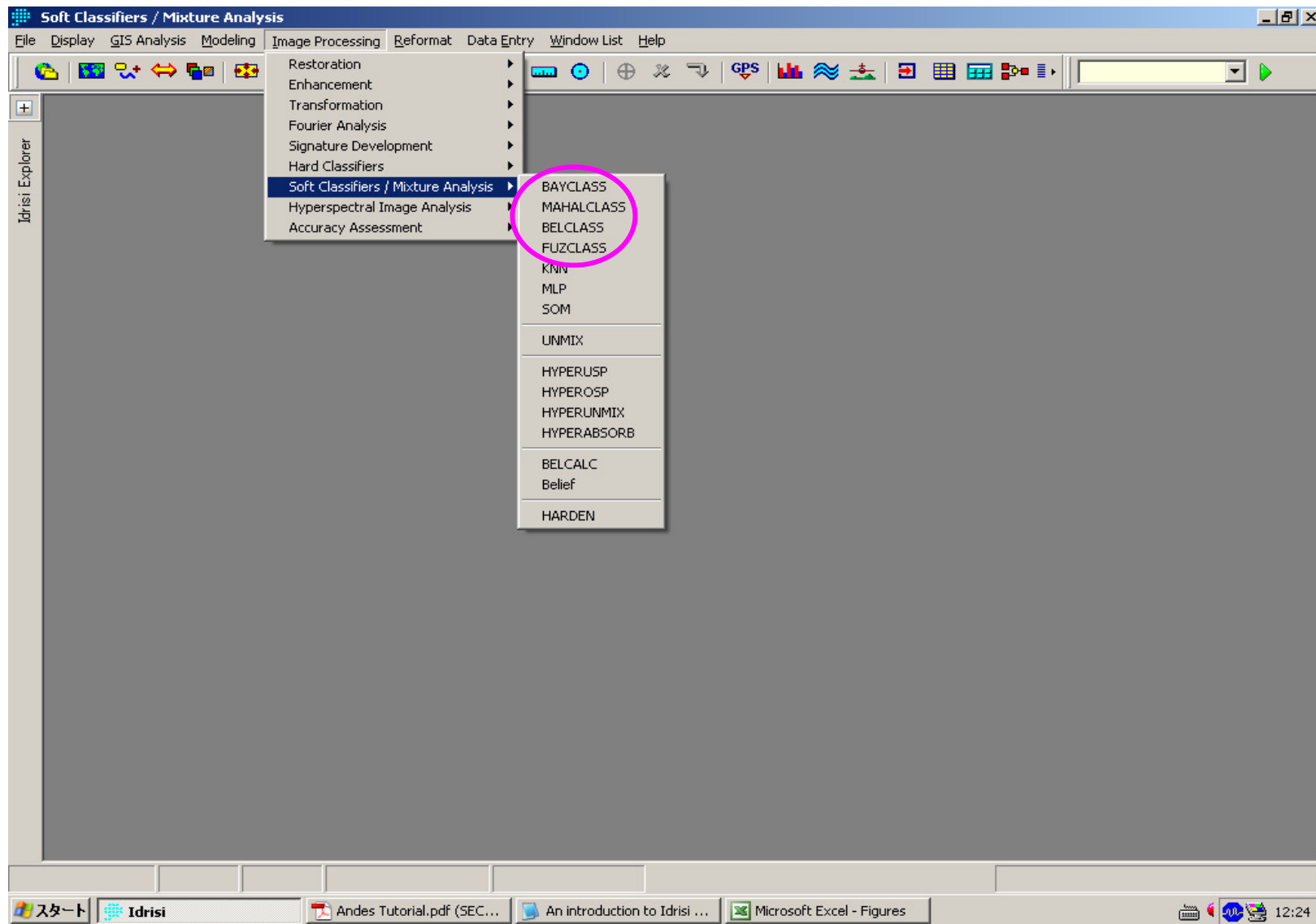


Fig.15: Soft classifiers

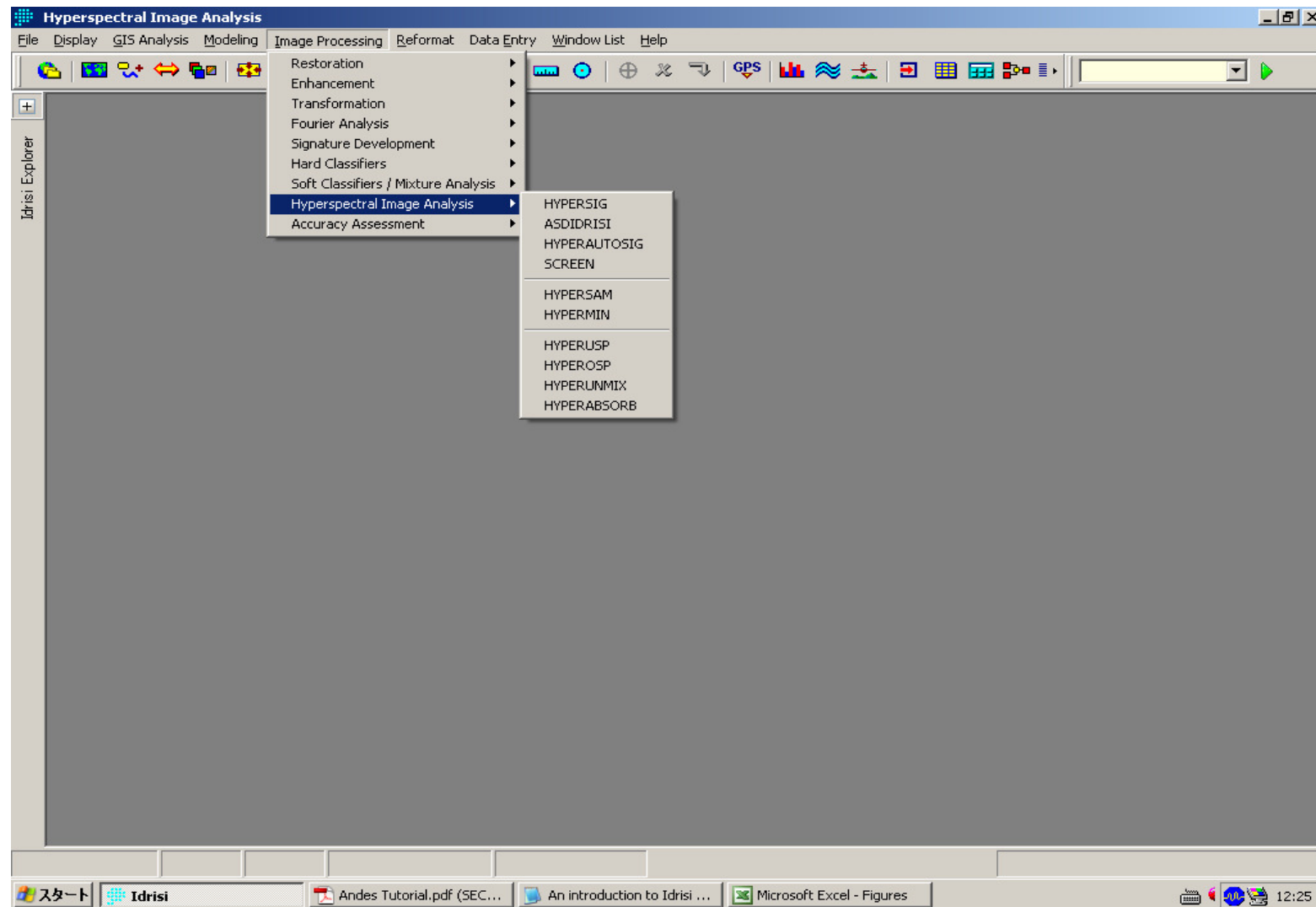


Fig.16: Hyper-spectral RS data

Part 3: Composer Utility

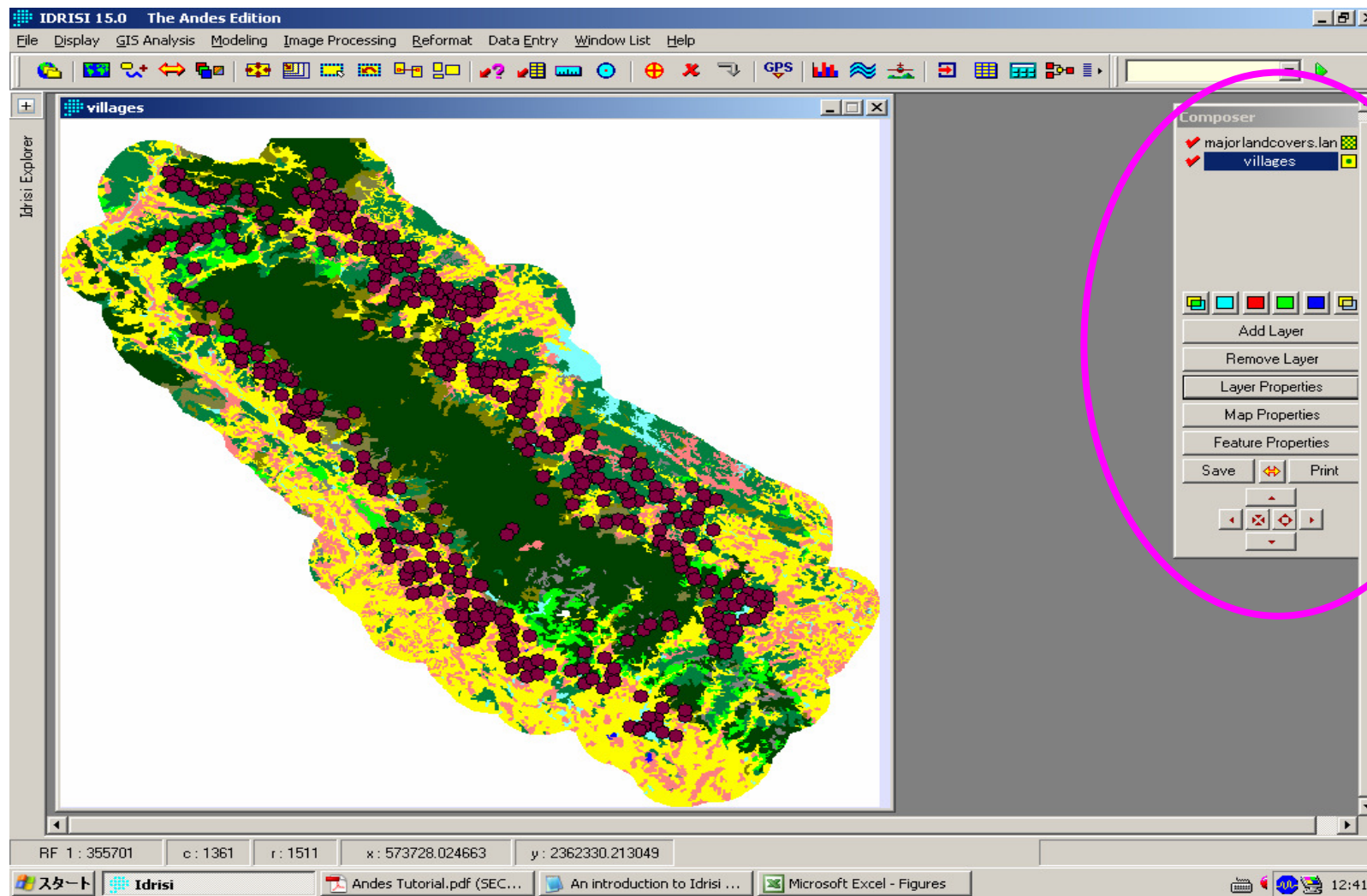


Fig.17: Add/remove map while overlaying multiple maps

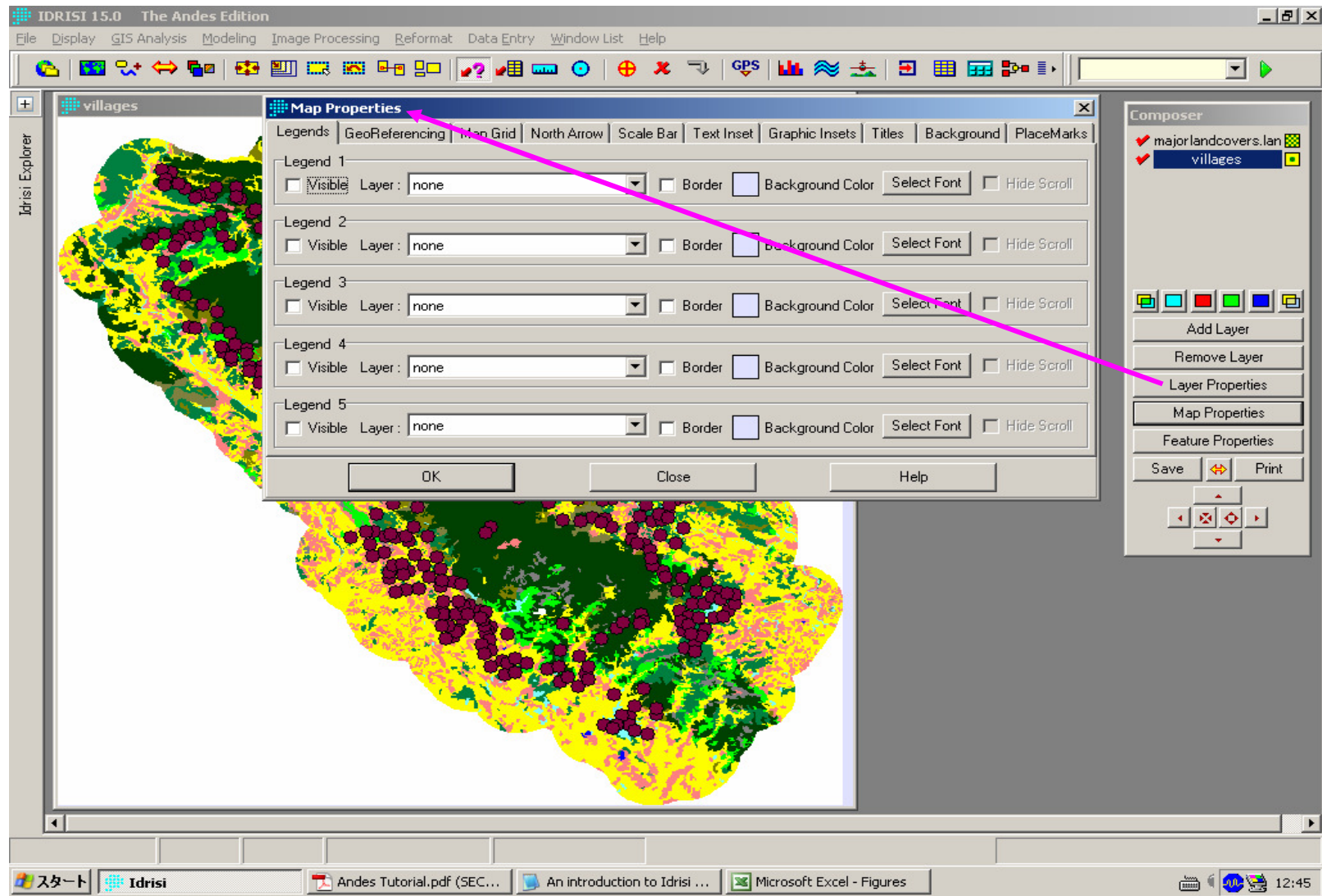


Fig.18: Using map properties utility

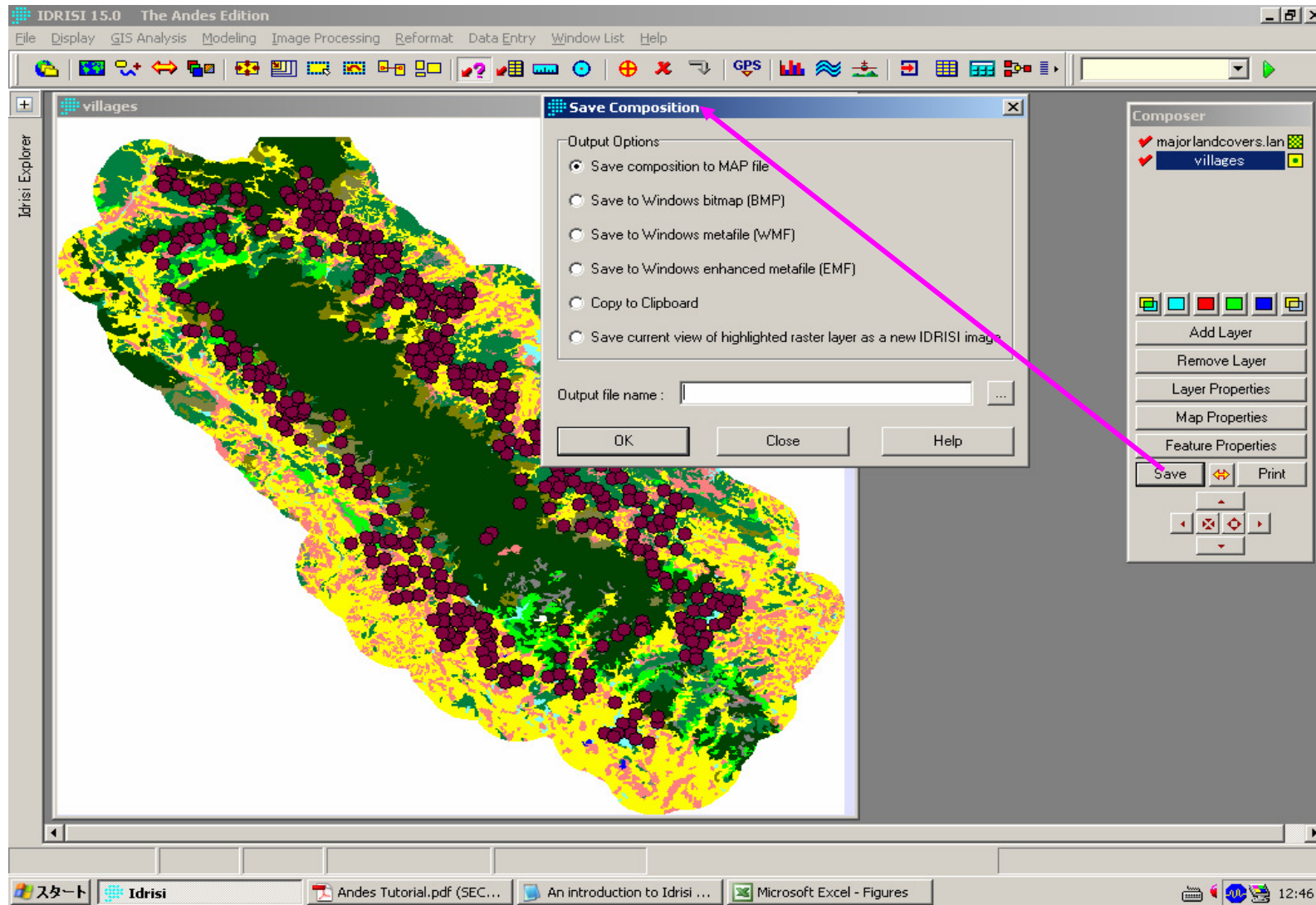


Fig.19: Save map composition

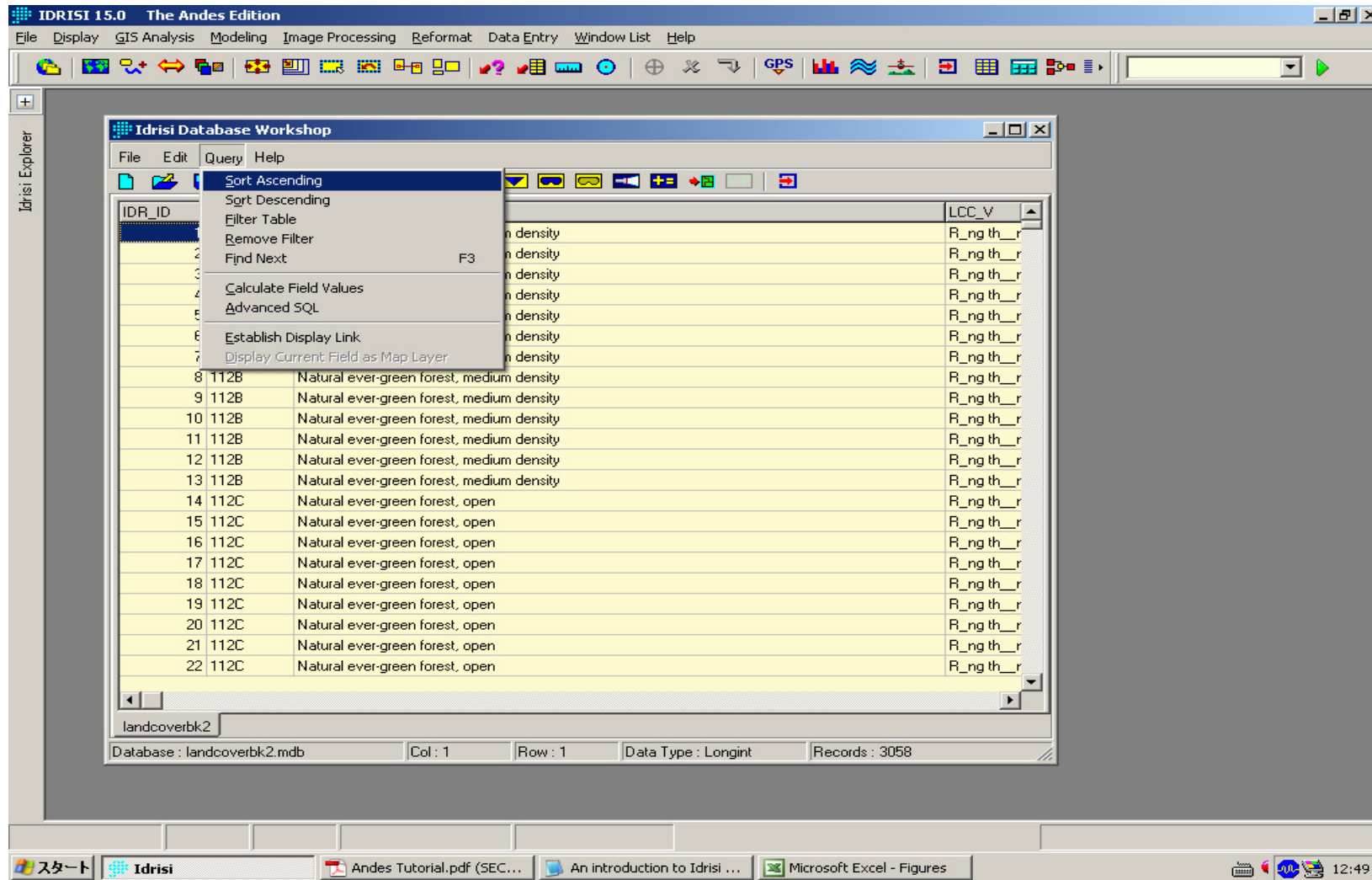


Fig.20: Creating a new-data/edit/query with database workshop

Part 4: Review on tutorial

Explore more IDRISI by completing exercises from GIS intro-to-advanced level

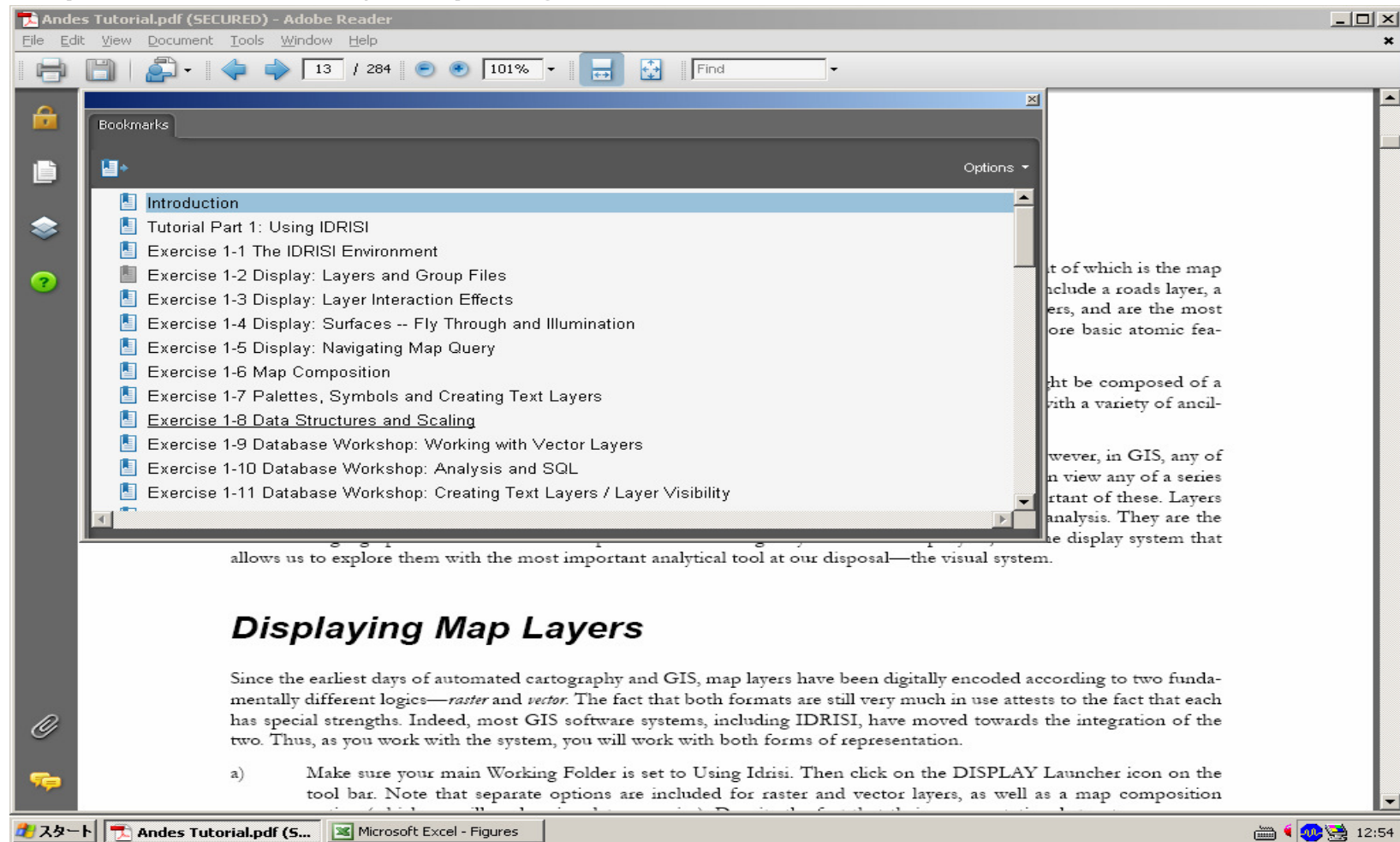


Fig.21: GIS intro-part 1 with IDRISI, helping in use of modules

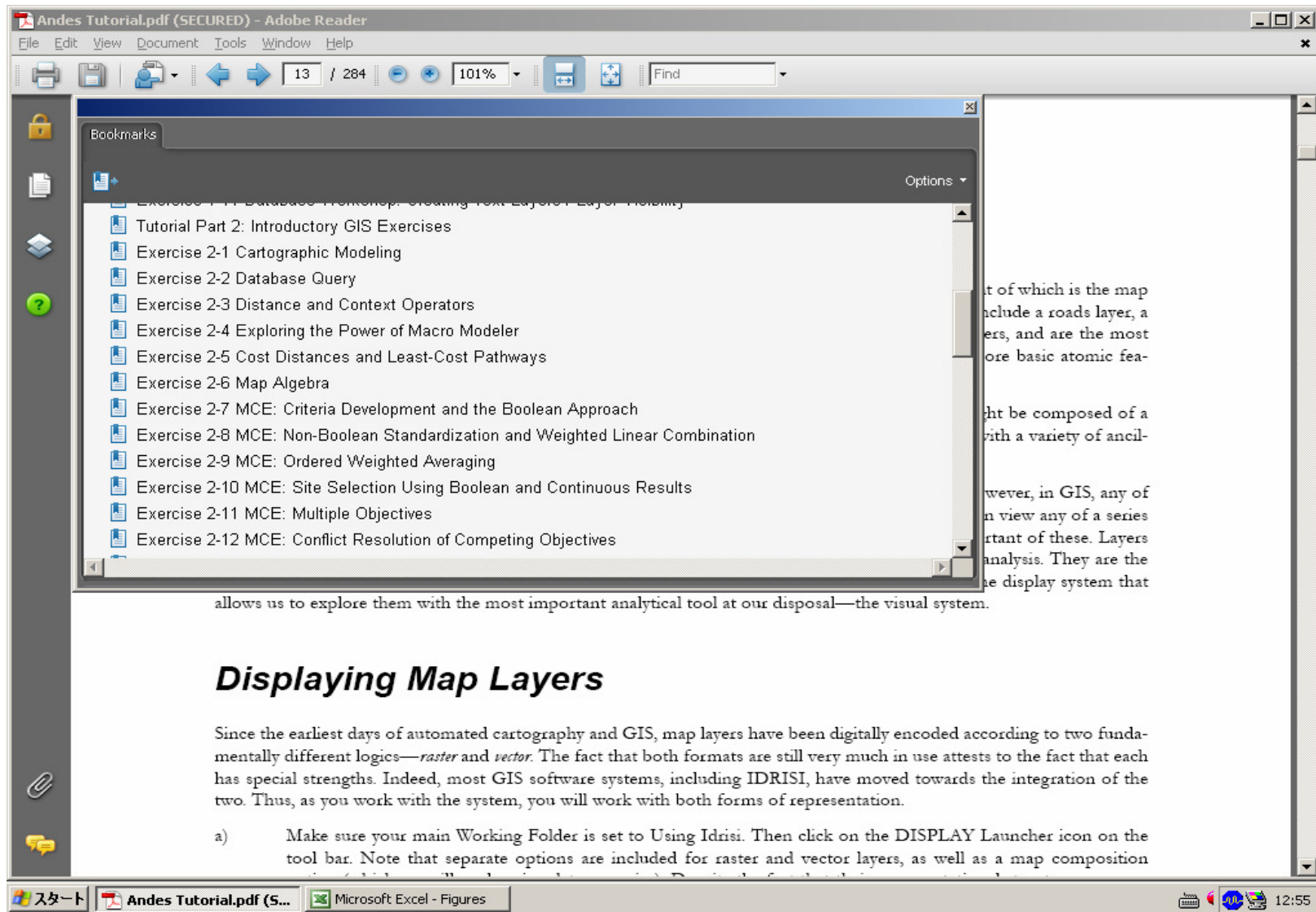


Fig.22: GIS intro-part 2 with IDRISI, helping in use of modules

If you are interested in IDRISI, please continue this advanced level

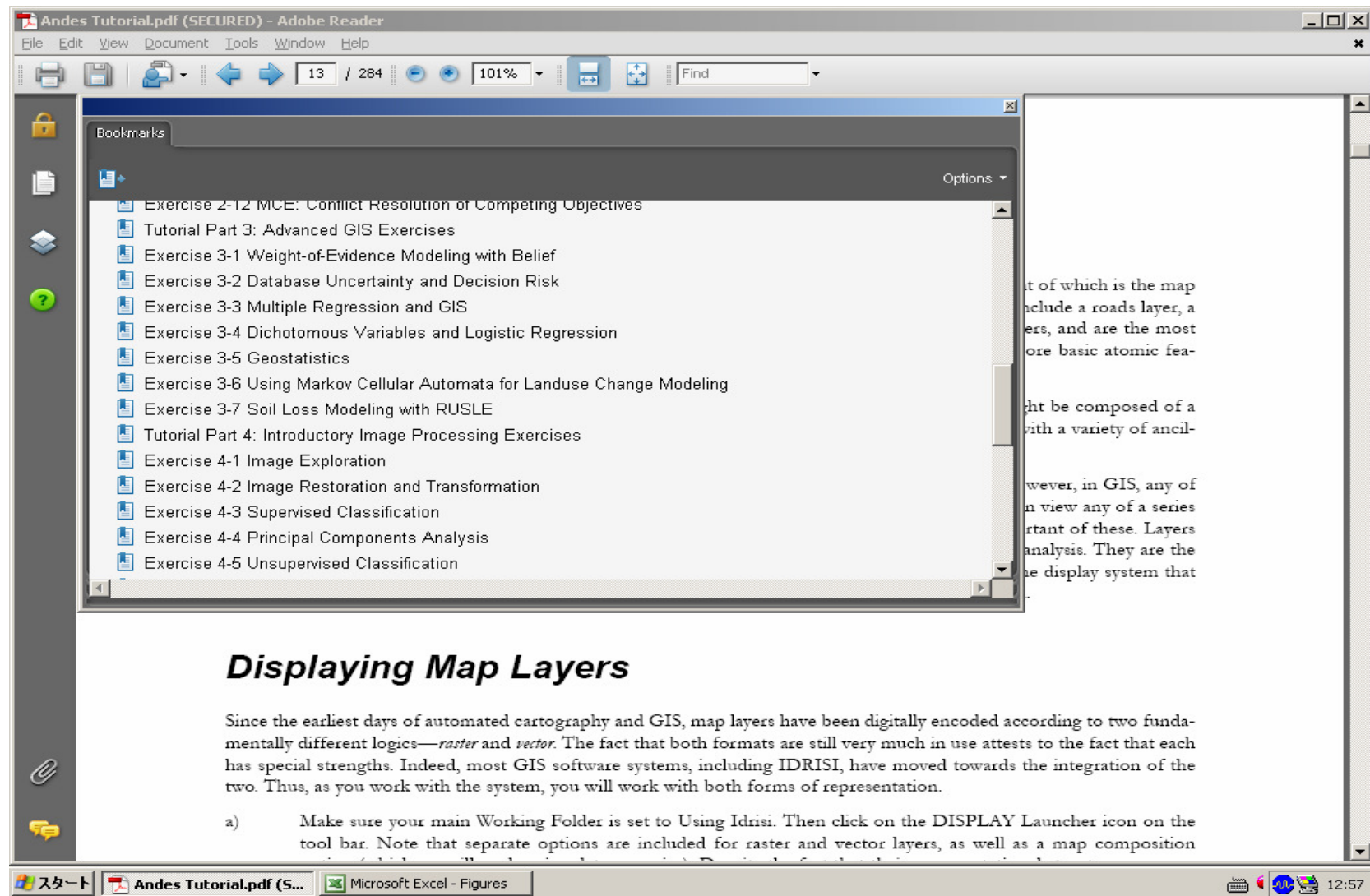


Fig.23: Advanced GIS exercises with IDRISI, case study application projects

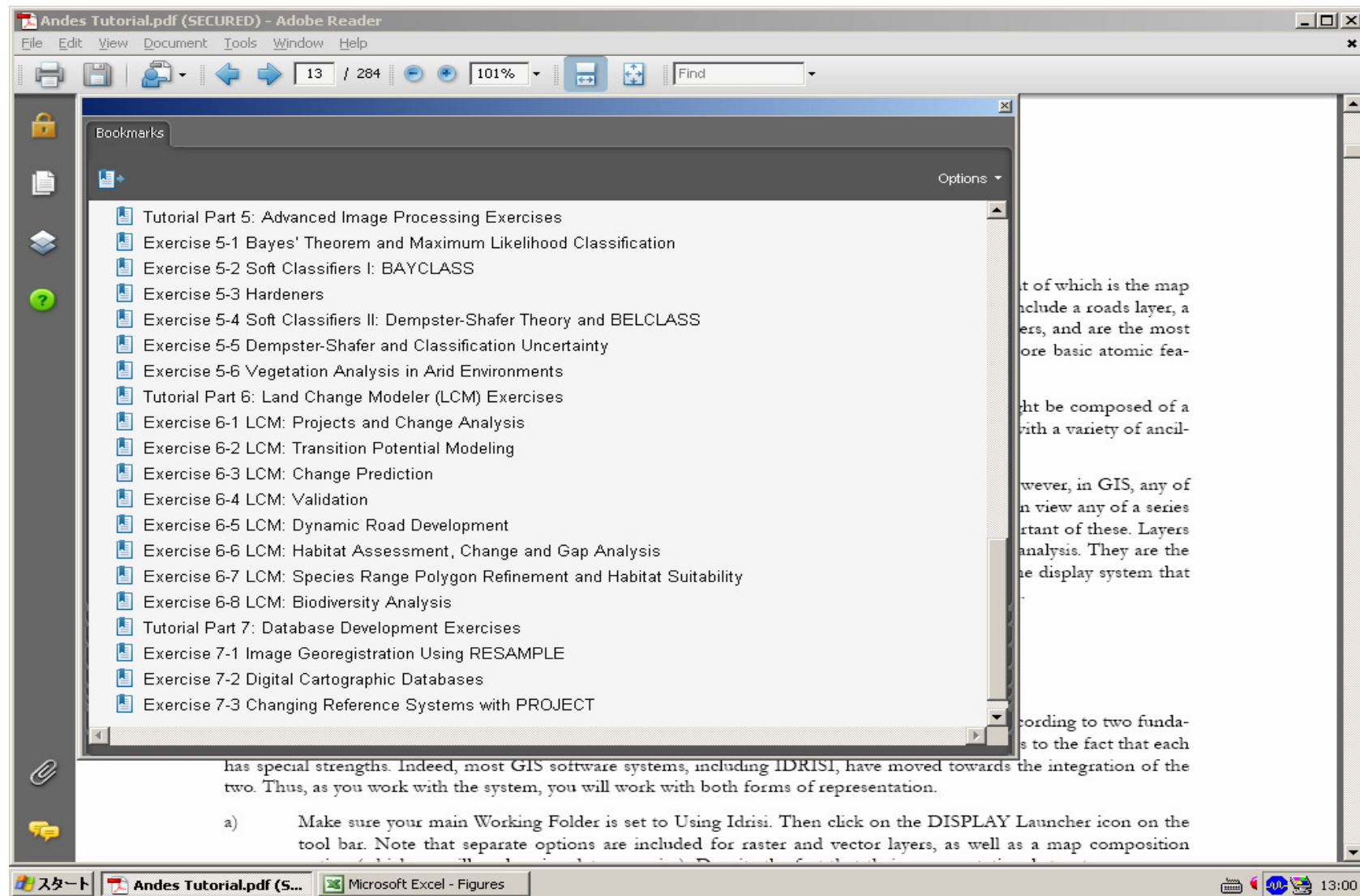


Fig.24: Advanced RS exercises, modeling tools, dataset development

Applications of IDRISI: <http://www.idrisi.com/applications/index.cfm>

Natural Resource Management - Microsoft Internet Explorer

ファイル(E) 編集(E) 表示(V) お気に入り(A) ツール(T) ヘルプ(H)

戻る 進む 検索 お気に入り

アドレス http://www.idrisi.com/applications/natural-resource-management.cfm

CLARK LABS

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Meeting the Challenges of Environmental Decision Making with GIS

APPLICATIONS PRODUCTS HOW TO BUY SUPPORT RESOURCES ABOUT CLARK LABS

Home > Applications > Natural Resource Management

Natural Resource Management

Clark Labs has developed an unparalleled set of tools to facilitate the management and protection of our natural resources. Whether you are modeling erosion potential, fire risk or demarcating watershed boundaries, Clark Labs' technologies address the complex analytical challenges that resource managers face.

Application areas include:

- Rainfall runoff analysis
- Erosion potential modeling with RUSLE
- Fire risk assessment
- Flood modeling and prediction
- Forest mapping

Analytical Examples: [click images to enlarge]

Results of a fire danger study are shown in the small image at the lower left. To make the image more dramatic and interpretable, an elevation model was used to calculate a hillshaded relief image for the area (upper left image). This was enhanced and merged with the classified image to produce the final relief-shaded fire danger image.

A soil erosion modeling tool, utilizing the Revised Universal Soil Loss equation (RUSLE), computes average soil loss on field units of relative homogeneity.

"Easy to use, intuitive and handles all types of data."

- Mike Tuohy, Massey University

CASE STUDIES:

Read further about how IDRISI is used in the following natural resource management applications:

- [Using Multi-Criteria Evaluation Tools for Sustainable Forest Management](#)
- [Watershed Mapping and Land Cover Classification in Sedimentation Study](#)

Related Links:

- [Download the IDRISI brochure.](#)
- [Download the Land Change Modeler for ArcGIS brochure.](#)

/applications/images/kili_rusle800.jpg

インターネット

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Thank you for your attention!