

# IDRISI Taiga

## GIS and Image Processing Software

### Multi-Seat Licenses for Educational Institutions

The IDRISI software complements all levels of GIS and Image Processing courses, offering research-grade spatial analysis without compromising ease of use. Universities world-wide utilize IDRISI for both introductory and advanced GIS and Image Processing courses.

The comprehensive tutorial exercises included with the software provide a planned and structured approach to the understanding of GIS, Image Processing and advanced geographic techniques. The IDRISI User's Guide is often used as a textbook, as it goes beyond a mere review of software techniques to discuss GIS and Image Processing concepts, application problems and data concerns.

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*Based within the world-renowned Graduate School of Geography at Clark University, Clark Labs is at the forefront of analytical development, creating innovative and cutting-edge geospatial tools without losing sight of the pedagogical elements required to make use of such technology. It is therefore understandable why IDRISI has such a long-standing tradition with the academic community, both for teaching and research.*

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#### **CURRENT USERS** UPGRADING YOUR LICENSE

##### **Transferring your existing Multi-Seat license to a Campus licensing option**

If you already own an IDRISI Multi-Seat license, you can transfer to a Campus licensing option. The transfer cost depends upon the current version and product you already own. Contact us for details.

##### **Maintaining your Student Lab Kit**

If you already own a 15-seat Student Lab Kit and you don't foresee needing additional seats, you can always upgrade the license you have. If you currently own an IDRISI Andes Lab Kit, the upgrade cost is \$1650. If you own a prior version, the upgrade cost is \$2500. Extensions to the Student Lab Kit may be purchased for an additional \$200 per seat.

#### **CAMPUS LICENSE** FOR STUDENT AND FACULTY/RESEARCH USE

This option allows for unlimited single campus use of IDRISI for teaching and research. The license also includes Technical Support for 24 months and unlimited single campus use of CartaLinx, IDRISI's companion database development software.

Student Starter licenses, normally \$95, are offered at a special \$39 price to students at a university owning a current Campus License.

The non-expiring Campus License does not require an annual renewal fee but upgrades, when released, must be purchased. Campus Licenses are licensed on networks only, requiring the server to be registered with Clark Labs. The cost for a new Campus License is \$6500.

#### **CAMPUS MAINTENANCE** FOR STUDENT AND FACULTY/RESEARCH USE

The Campus Maintenance License provides you with the same benefits of the Campus License with the convenience of an annual payment plan. Users receive automatic version upgrades as long as licensing is current. Campus Maintenance Licenses are licensed on networks only, requiring the server to be registered with Clark Labs. A start-up fee of \$3250 provides your benefits for the first year; each year after your initial purchase, you pay an annual maintenance fee of \$2250 to keep the license current.

#### **STUDENT LAB KIT** FOR STUDENT USE ONLY

This option allows for installation of the IDRISI software on up to 15 machines for student use only. (More than 15 PCs may be connected to the network, but only 15 may run IDRISI at one time.) Instructors need to purchase an Academic license. There is no annual maintenance fee; you pay for upgrades as they are released. Student Lab Kits are licensed on networks only, requiring the server to be registered with Clark Labs. A 15-seat Student Lab Kit is \$2750.

## Meeting the challenges of environmental decision making with GIS.



### IDRISI GUIDE TO GIS AND IMAGE PROCESSING

Spanning over 300 pages, the IDRISI Guide to GIS and Image Processing can easily be used as a textbook. Several chapters are devoted to the operation of IDRISI, but the text is primarily a reference for both basic concepts and advanced topics in GIS and Image Processing. The Guide includes the following chapters:

Introduction to GIS

Introduction to Remote Sensing and Image Processing

IDRISI System Overview

Map Layers, Raster Group Files, Vector Collections & Data Structures

Display System

IDRISI Modules

Database Workshop

Database Query in IDRISI

IDRISI Modeling Tools

Database Development

Decision Support: Decision Strategy Analysis

Georeferencing

Decision Support: Uncertainty Management

Image Restoration

Fourier Analysis

Classification of Remotely Sensed Imagery

RADAR Imaging and Analysis

Vegetation Indices

Time Series/Change Analysis

Land Change Modeler for Ecological Sustainability

Earth Trends Modeler

Anisotropic Cost Analysis

Surface Interpolation

Triangulated Irregular Networks and Surface Generation

Geostatistics

### IDRISI TUTORIAL

Each license of IDRISI comes with a Tutorial that includes over 60 exercises. These exercises can be used for both introductory GIS and Image Processing classes and advanced or graduate level classes.

#### Using IDRISI Exercises

Includes exercises on display features, palettes and symbols, map composition, layer interaction effects, file management, composites and anaglyphs, the Fly Through module, map query, data structures and scaling, and the Database Workshop facility.

#### Introductory GIS Exercises

Includes exercises on cartographic modeling, database query, distance and context operators, cost distances and least cost pathways, map algebra, the Macro Modeler facility, and multi-criteria evaluation.

#### Advanced GIS Exercises

Includes exercises on weight-of-evidence modeling, database uncertainty and decision risk, multiple regression, geostatistics, dichotomous variables and logistic regression, Markov cellular automata for landuse change modeling, and soil loss modeling.

#### Introductory Image Processing Exercises

Includes exercises on image exploration, restoration and transformation, supervised and unsupervised classification, and principal components analysis.

#### Advanced Image Processing Exercises

Includes exercises on Bayes' Theorem and maximum likelihood classification, segment-based classification, soft classifiers, hardeners, Dempster-Shafer Theory, classification uncertainty, and vegetation analysis in arid environments.

#### Land Change Modeler Exercises

Includes exercises on projects and change analysis, transition potential modeling, change prediction, validation, dynamic road development, habitat assessment, change and gap analysis, species range polygon refinement and habitat suitability, and biodiversity analysis.

#### Earth Trends Modeler Exercises

Includes exercises on projects and exploring space-time dynamics, trend analysis and temporal profiling, seasonal trend analysis, decomposition using principal components, linear models, empirical orthogonal teleconnection analysis and spectral analysis.

#### Database Development Exercises

Includes exercises on image georegistration, digital cartographic databases and changing reference systems.

\* Please note that the Guide and Tutorial are copyrighted materials included with the purchase of IDRISI and cannot be copied or distributed without the prior authorization of Clark Labs.

### CONTACT US

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Learn more about IDRISI  
at [www.clarklabs.org](http://www.clarklabs.org).