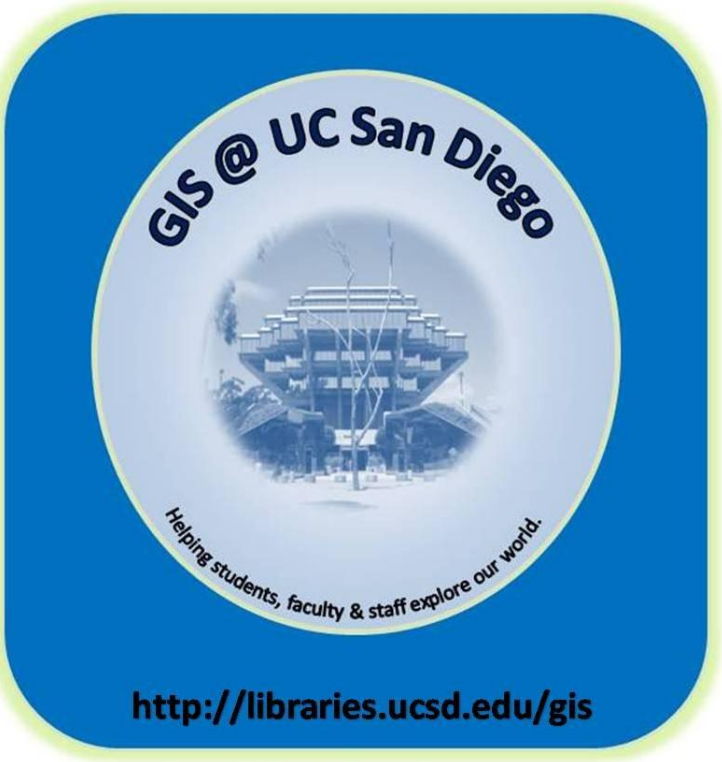
Thinking of using GIS but not sure if it is the right tool?

Have some data in a table that you'd like to see it on a map?



Interested in integrating GIS with your teaching?

Need GIS data or imagery?

From start to finish, for all levels of experience and people in any discipline, the UC San Diego Libraries Data & GIS Lab is a great resource.

The Data & GIS Lab…the starting point for UC San Diego's GIS needs.

IN THE LAB

GIS Workstations
Dedicated GIS staff
Project Consultation
Step-by-Step GIS Help
GIS Books and Tutorials
Access our GIS Data Collection
Google Earth Pro Software
Large-Format GIS Printing, Scanning & Copying
SPSS & Stata Software

OUTSIDE THE GIS LAB

FREE Online GIS Classes
Classroom & Staff Presentations
Instructional Workshops
GIS Community Activities & Blog (http://blog.ucsd.edu/gis)
Web Tutorials & Online Guides (http://ucsd.libguides.com/gis)
GIS Twitter - @UCSD_GIS
Purchase GIS software via ACMS

FOR STUDENTS, FACULTY & STAFF

ArcGIS software (1 year time-out)
One day of free attendance at the ESRI International or Education User Conference

FOR FACULTY & STAFF ONLY

Google Earth Pro (application required)
40% Discount on ESRI in-person or Virtual Classroom courses

This is just a sample of what GIS can do for you. Visit us in the Geisel Library building on the main floor, go to http://libraries.ucsd.edu/gis , email (t2hughes@ucsd.edu) or call (858.534.6854) to find out more!

What is GIS?

GIS is the acronym for 'geographic information system'. What it does is to allow you to organize, explore, visualize and analyze information in a completely different way – geographically - by using a system based on **layers**.

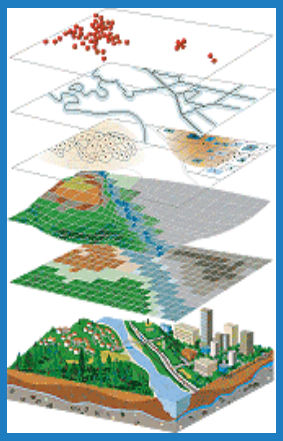
Layers represent and model the 'real' world. Because each **layer** has descriptive information (called **attributes** in GIS), you can not only *see* the layers but you can layer the layers to *ask and answer* your own pertinent questions.

This is what we mean by layers…

Topography as pixels

Land use as pixels

All of these layers = The real world!



Houses as points

Streets as lines

Subdivisions as polygons

These **layers** and **attributes** can represent landscapes, topography, imagery, roads, businesses, demographics, habitats, environmental hazards, soils, economics, ethnicities, transportation, medical facilities, sea floor topography, archaeological sites, immigration, zoning, political events, geographic places, hydrology, or whatever else you can think of!

WHAT CAN I DO WITH GIS???

Use GIS in 2, 3 or 4 dimensions…

Ask questions about how close, how far, how dense…

See relationships, patterns and trends…

Model networks or roads or other systems…

VISUALIZE & ANALYZE your information in ways you simply cannot with other tools!

Oh, and you might be able to get a job because you know how to use it. ;)

This is just a sample of what GIS can do for you. Visit us in the Geisel Library building on the main floor, go to http://libraries.ucsd.edu/gis , email (t2hughes@ucsd.edu) or call (858.534.6854) to find out more!