

Services News

WEBIFYING YOUR GIS: NEW LOW-COST BUNDLE INCLUDES DATA, HARDWARE, & SOFTWARE

A primary challenge of any modern organization is to collaborate towards a common goal. Often, teamwork is diminished when one part of an organization controls the flow of information. This bottleneck weakens an organization's ability to operate efficiently, both on a financial and competitive basis. A new package, [Webify GIS](#), presents a low-cost solution to open access to GIS data, and associated modeling, throughout an entire organization. The bundle includes multiple layers of LAND INFO datasets, a web-enabled user interface, and consulting services to customize the system to each client's needs.

The Webify GIS package is marketed through [Idea Integration's GIS Center of Excellence](#). The Denver-based center provides e-business solutions throughout the United States. The bundle includes seamless coverage of LAND INFO 1:24,000 scale topographic maps, DOQQ aerial imagery, and geocoded street centerlines for the user's local area (*USA city or county only; Package does not apply to areas outside of the continental United States*). LAND INFO also includes 16 hours of data integration consulting services. The user interface, accessible through a secure Internet (*or Intranet*) connection, is powered by ArcIMS[®] technology from [ESRI](#).

The Webify GIS system is a tool to query, analyze, visualize, and map geospatial data. The value proposition for Webify GIS was proven through a pilot project at the



New Package Gives Access to Your GIS via Web Browser

GIS system offered RTD's planning and operations team a variety of new tools, including the following:

- Track buses spatially in real time
- Spatially display bus stops and their attribute information
- Ability to geocode customer locations on the fly in order to visualize the closest bus stop
- Spatially display park-n-ride locations and their attribute info

"It's been a real break-through for us," commented Bob Lewis, RTD's Senior Manager of Information Technology. "From their desktops, the users now have the ability to view and analyze routes, stops, and real-time bus locations, all on an aerial photograph."

Another major benefit is RTD's new capability to model multiple scenarios cost effectively. For example, the integrated GIS system now helps RTD officials select new facility locations, routes, and buses. GIS models with population data,

Coverage Spotlight

APPLYING GIS IN THE ANDES & AMAZON OF PERU

Peru is a country rich in majestic beauty and cultural history. The South American nation boasts a diversified geography that includes sandy beaches, tropical rainforests and one of the world's largest concentrations of glaciers. It is also the site of Machu Picchu, the "lost city of the Incas." This ancient fortress city was rediscovered by archaeologists in 1911. It lies at a 9,000-foot elevation, but is invisible from below and completely self-contained with fortress walls, abundant natural springs, and farming areas. The site is one of the many scenic wonders that attracts



international visitors to the country. In addition to tourism, Peru takes advantage of its natural landscape through heavy agriculture (*coffee, sweet potatoes, sugarcane*) and mining (*copper, zinc, silver, iron*) activities. The Peruvian forests are also the backdrop for the latest applications of GIS technologies.

Inland from Peru's 1,500 miles of

[Regional Transportation District \(RTD\) of Denver](#). RTD operates the public bus, light rail, and other transportation modes for seven counties in Colorado. For its bus service alone, RTD manages over 1,100 buses for 10,000 stops on 182 routes.

Prior to implementing a centralized system, RTD utilized a series of GIS data files, hard-copy maps, text files, spreadsheets, and non-GIS databases to support operations. Like any organization without a centralized GIS platform, there was redundancy and inefficiencies between departments. As part of the GIS integration effort, RTD asked three critical questions: "What data do we put into the GIS?", "How do we input the data into the GIS?", and "How do we display and query this data?". The answers led to the development of a centralized database, fully accessible by multiple departments.

The development of a web-enabled

mapping data, and route information can be manipulated by all departments. This allows decision makers to focus on key issues, rather than spending valuable energy interpreting various research data.

The system also created an unexpected benefit for RTD's marketing team. The new webified GIS system enables RTD to cross reference mailing addresses by bus routes. This helps it closely target marketing collateral and subsequent mailings. The end result is fewer mass mailings and lower marketing costs.

[Webify GIS](#) is currently packaged for regional governments within the continental United States. The bundle, which includes data, hardware, software, and consulting services, is priced at \$19,995, far below market value. For more information about the Webify GIS, visit www.Idea.com, or contact Idea Integration at +1 303-824-5725.

coastline, sits the lofty plateaus and steep peaks of the Andes Mountains. Recently, an expedition coordinated by the National Geographic Society set out to identify the source of the Amazon River. The "source" was defined as the most distant point in the drainage basin from which surface water runs year-round, or the farthest point from which water could possibly flow to the ocean. The expedition used GPS equipment to pinpoint and map the area's drainage features and the path of the Continental Divide. Based on the data collected, the team identified a glacial stream on Nevado Mismi, an 18,363-foot peak in Southern Peru, as the Amazon's source. The expedition's use of geotechnologies set an important benchmark for similar studies taking place around the world.

Another project utilizing GIS technologies involves the worldwide battle to reduce the supply of dangerous drugs. Peru is the second largest supplier of coca leaf in the world. The United Nations International Drug Control Programme, working with the UN Office for Project Services and the Peruvian organization CORAH/CADA, is using remote sensing data to identify and map the coca fields.

GIS has also played a role in bringing critical energy resources through the rugged mountainous terrain to the populated coastal cities. The Camisea Pipeline was constructed to bring natural gas from a remote Amazonian gas field to users in Lima and the major seaport city, Callao. Engineers used a number of thematic spatial data layers to route two pipelines through a maze of dense jungles and alpine peaks.

LAND INFO offers GIS data and consulting services for geospatial projects in Peru and other Latin American countries. It markets [satellite imagery](#) at 0.95-meter, 2-meter and 5-meter resolutions. Other GIS data is available at 1:50,000, 1:100,000, 1:200,000 and 1:250,000 scales. This includes geo-referenced

Corporate News

SPECIAL NEW PRICING ON 3-D DEMS & TOPO MAPS

LAND INFO International has reduced prices on select digital elevation model (DEM) and topographic map datasets. The new below-market pricing is effective as of May 23, 2002.

LAND INFO's archived international [topographic maps](#) are now priced at \$69 per map (30% reduction). LAND INFO's digital archive includes multiple scale coverage in over 125 countries. Maps not yet included in the archive are available for \$99 per map.

LAND INFO also reduced [USA DEMs](#). High-resolution 10-meter and 3 arc-second grid postings can now be purchased for as low as \$109 per

Need Data for an RFP Response

10m USA DEMs

1-50 > \$199 per DEM
51-100 > \$149 per DEM
101+ > \$109 per DEM

Perfect Data for:

- Orthophoto Production
- Watershed Modeling
- Base Mapping

DEM. 30-meter USA DEM data is available for \$299 per one-degree block.

[Contact LAND INFO for more information](#) about DEMs, topographic maps, and other services.

GEOdiversions

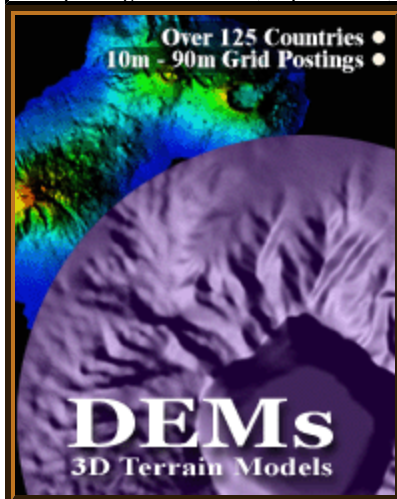
The Top Ten Ways GIS Can Help Spider-Man

10. Study the biodiversity impacts of all those flying insects killed everytime he spins a web between buildings
9. Check for a pattern to those pesky pumpkin bomb attacks
8. Get crawling directions to the next crime scene
7. Plant a GPS tag on the Green Goblin
6. Correct his line-of-sight projectory when spinning webs downtown
5. Major fear of water...think flood plain maps
4. Map out the locations of the city's arachnophobics, then make personal visits the next time he needs a little "pick-me-up"
3. Find the closest dry cleaner that will keep his reds red
2. Determine the precise contours of that cute Black Widow next door
1. Use 3-D DEMs to create the next generation of "spider sense"

(GEOdiversions appears exclusively in the Data Solutions Journal. We accept original comics, top 10 lists, & other fun features...[SUBMIT YOURS](#).)

[topographic maps](#), [digital elevation models](#) (DEM), [roads](#) layers, [hydrography](#) layers, and other [map feature](#) layers. LAND INFO can also provide consulting services, including [data needs assessment](#), custom [data production](#), [data integration](#), database management planning, and general GIS data planning. [Contact](#) your LAND INFO representative for more information.

[View Global Data Coverages](#)



LAND INFO International, LLC

LAND INFO International offers complete geospatial solutions, from GIS consulting, production, integration, to training services. The company markets digital data for over 125 countries, including satellite imagery, 3D terrain models, topographic maps, transportation data, hydrography data, contour elevation data, and custom datasets. LAND INFO provides solutions for civil engineers, government planners, project managers, and other international professionals. Please visit www.LANDINFO.com to learn more about these products and services. [Contact LAND INFO](#) today at 1-800-949-5080 (+1 303-369-6800) to discover how our data solutions can maximize the success of your team.

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