

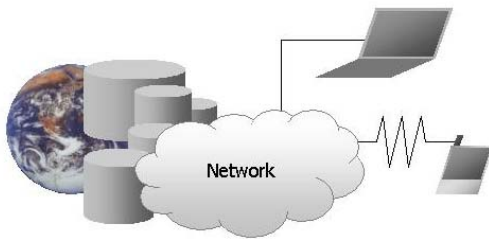
# RaveGeo

## Groundbreaking Map Compression and Streaming

RaveGeo is the new software for compressing and streaming geographical vector information. RaveGeo dramatically reduces cost and time associated with storing, distributing and using huge geographical vector databases.

### Handling large digital maps is a burden...

Distributing geographical information is a difficult task. Dense topographical maps, detailed road databases and cadastral datasets are very voluminous and slow to access, especially over the Internet.



*RaveGeo solves the problem of distributing and using large geographical vector databases.*

### ... made easy with RaveGeo.

RaveGeo compresses the information and makes it available with unparalleled performance, even over wireless networks or over the Internet.

RaveGeo is a new database technology for digital maps, the first multi-resolution vector format. The high compression and the fast access make RaveGeo ideal for platforms from workstations to handheld devices.

### Fast Access

RaveGeo provides fast and easy access to huge databases and makes intense operations like continuous, smooth, animated zooms and scrolls possible. When using RaveGeo databases of any size or resolution can be zoomed and panned in real-time over the Internet with close to no latency.

### High Compression

RaveGeo can reduce the size of databases by 95% with preserved topology and no loss of information. This means that substantially more geographic data can be distributed on a CD or in the memory of a small device. The high compression also makes network access very efficient.

### Wide Scale Range

Navigation in any large information material demands both details and overview. The multi-resolution capability of RaveGeo makes geographic data available in a much wider scale range. This makes it possible to access any area in any resolution. Instantly. The multi-resolution also enables streaming of geodata over the networks with progressive updates of the view.

### From workstations...

The RaveGeo capacity of handling gigantic geodatabases has made RaveGeo the most exciting mapping technology for the next generation of Command and Control (C<sup>2</sup>I) applications. RaveGeo will also take web map services to new levels of performance.

### ...to small devices

The efficient unpacking algorithms and the small footprint of the RaveGeo reader makes it useful in for instance GPS-navigators, chart plotters, next generation mobile phones and handheld devices. The efficient compression of data is especially useful for small devices where secondary memory is often limited.



1:40M

1:8M

1:2M

1:500K

1:50K

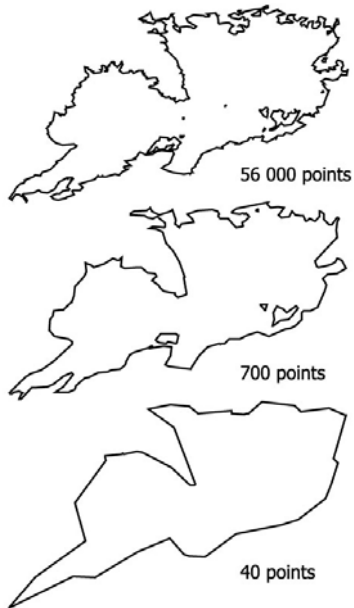
*A RaveGeo database is instantly accessible in a wide scale range*

# RaveGeo

## Groundbreaking Map Compression and Streaming

### RaveGeo Technology

RaveGeo is a software concept for map application developers and geodata distributors. The RaveGeo Compiler reads some of the most common geographic data formats and creates a multi-resolution RaveGeo database. The data producer controls the multi-resolution process by specifying the data generalization parameters.



*The Automatic feature simplification makes objects available in any resolution.*

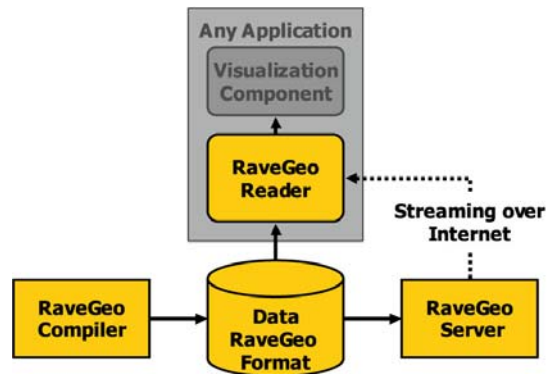
The application developer easily integrates the RaveGeo Reader in any application. The Reader component can access the data either directly through a local file system or over networks by connecting to a RaveGeo Server.

### RaveGeo Features

- High, loss-less compression
- Fast access to any part at requested resolution
- Automatic data simplification/generalization
- Handles databases of any size
- Seamless
- Stores topology and all attributes
- Flexible object model
- N-dimensional
- Lightweight reader component
- Encryption, access can be restricted to certain areas or certain resolutions
- Open C++, COM and Java interfaces

### RaveGeo Products

The RaveGeo concept consists of these software components and packages:



*The different parts of the RaveGeo concept and how to integrate with an application*

- **RaveGeo Reader** reads RaveGeo data from file, over intranets or over the Internet. Available on Windows 2000, XP and NT.
- **RaveGeo Server** distributes RaveGeo data over any network. Uses http and runs on any Java compliant application server.
- **RaveGeo Compiler** creates RaveGeo databases. The compiler reads VPF and Shape today and more formats will be added. Runs on Windows 2000, XP and NT.
- **RaveGeo SDK** is the software development kit (SDK). Everything you need to integrate the RaveGeo Reader in your application. C++ API is available, COM, .Net and Java API will follow.
- **RaveGeo Plugins** are provided by several GIS vendors, giving direct or plugin support for the RaveGeo format.

Evaluation packages with documentation, test data and a time-limited RaveGeo SDK including the C++ API is available. Note that RaveGeo does not perform any visualization; it gives access to geographic information via a programming interface.

### The Company Idevio

Idevio is a R&D company specialized in compression and streaming software for geographical information. Idevio has close connections to Chalmers University of Technology and resides at Lindholmen Technology Park in Gothenburg, Sweden.

For more information and an on-line demo visit our website at [www.idevio.com](http://www.idevio.com)