

Netscape: Science Data Center Symposium

<http://www.sci-datacenter.org/>

Tuesday, March 20, 2001

Name:

Mark Allen

Organization:

JPL/Caltech

Project:

Laboratory for Global Environmental Science Information

Title:

User-friendly Data Distribution

Topic:

Data Ingest and Distribution Solutions

Abstract of Presentation:

The Laboratory for Global Environmental Science Information (LaGESI), a joint activity of the Jet

Propulsion Laboratory and the California Institute of Technology, seeks to promote enhanced use of global environmental science information by both scientists and non-scientists. One solution for reducing the barriers between archived global data sets and potential users is user-friendly data distribution. LaGESI is now distributing the USGS GTOPO30 digital elevation dataset through its website as a pilot demonstration of user-friendly data distribution. Many users wish only to get the specific portion of a dataset that they need, immediately, and in a readily usable format. The

LaGESI data distribution service provides for immediate download only the portion of the GTOPO30 data as requested by the user (mosaicing as necessary data from one or more of the original USGS data tiles) and in a format chosen by the user from a list of several image and digital data formats. Rapid selection of specific locales of interest is supported by an on-line gazetteer. The

LaGESI site also offers a number of value-added services, including interpolation of selected data to a grid specified by the user and geographic reprojection. Because of computing resource limitations, however, GTOPO30 data at the highest resolution is only available from LaGESI for a limited-area scene. Wide geographical areas are available at reduced resolution.



WHAT IS LaGESI?

DOWNLOAD:

Data

Simulations

Software

Education

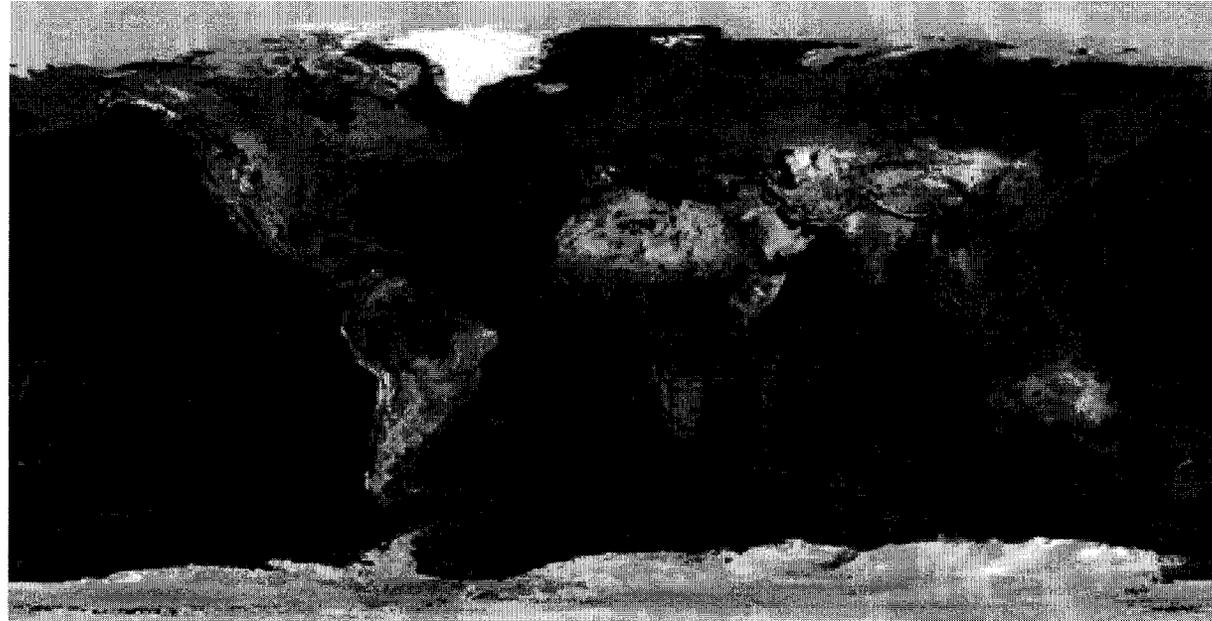
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**LABORATORY FOR GLOBAL
ENVIRONMENTAL SCIENCE INFORMATION
JET PROPULSION LABORATORY -
CALIFORNIA INSTITUTE OF TECHNOLOGY**

<http://lagesi.caltech.edu>

- **What you want**
- **When you want it**
- **In an immediately usable format**



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EASY CUSTOMER SELECTION OF DESIRED GEOGRAPHICAL REGION

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Northern Boundary

| 35.0

Western Boundary

| -119.0

| -117.0

Eastern Boundary

| 33.0

Southern Boundary

Degree format: DD.ddd DD MM SS

- Enter coordinates directly



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Netscape: LaGESI Location List

Find a in

Select a region centered on

- Canada
- Afghanistan
- Albania
- Algeria
- American_Samoa
- Manaslu
- Margor
- Margor Pass
- Marpendeni
- Middle Himalayas
- Mohala
- Mohala Bhanjyang
- Mount Everest**
- Mount Jolmo Lungma
- Mount Makalu
- Mukut
- Mukut Himal
- Mustang Himal
- Mustangbhot Himal
- Mustangbhot Himal

with a radius of

- **Select from gazetteer**



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Download ?

- GIF
- JPEG
- PNG
- PICT
- Sun Raster
- TIFF
- netCDF
- HDF SD
- HDF-8 bit raster
- GeoTIFF
- GeoTIFF 16-bit
- ASCII Table
- Binary(Sun/SGI/Mac)
- Binary(Intel)
- Histogram (ASCII Table)



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