Earth Exploration Toolbook
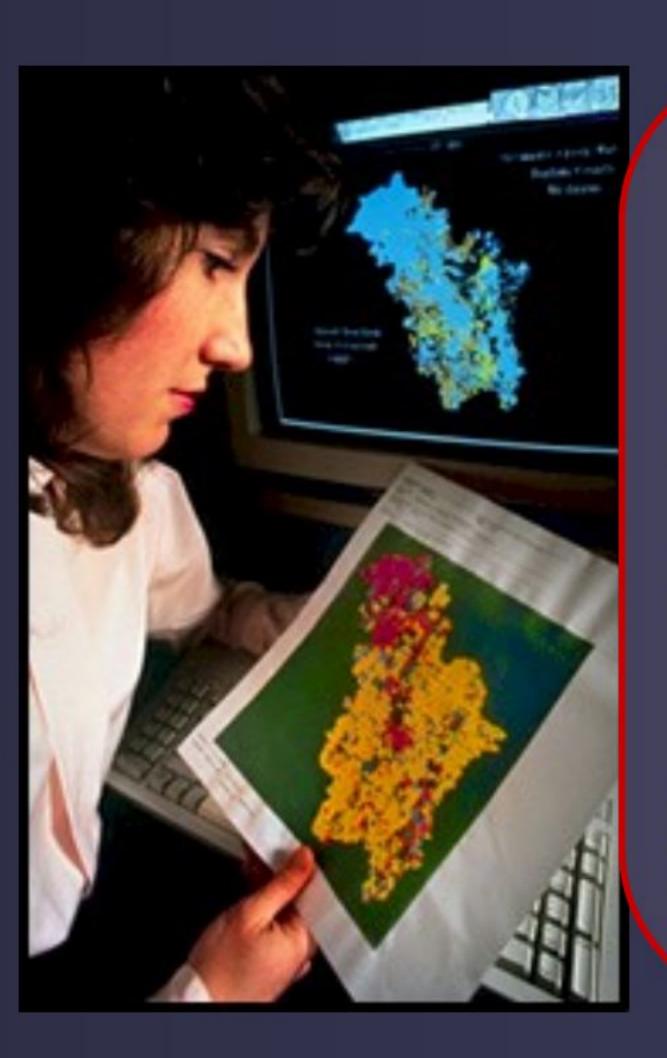## Step-by-Step Guides for Investigating Earth System Data

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The Earth Exploration Toolbook (EET)

The **Earth Exploration Toolbook (EET)** is a collection of educational resources called chapters that features Earth science datasets and data analysis tools.

The **EET** provides step-by-step instructions for using Earth science datasets and software tools in educational settings.

Each chapter of the **EET** walks users through an example—a case study in which the user accesses data and uses analysis tools to explore issues or concepts in Earth system science. In each chapter, users produce and analyze maps, graphs, images, or other data products.

Telecon-Online Workshops

Science and technology teachers are invited to participate in two-hour distance-learning workshops in which they explore the benefits of NSDL and DLESE and work through a chapter of the Earth Exploration Toolbook. Participants dial into a toll-free teleconference number, work through an EET chapter to produce a data product, and discuss ways to teach and learn using Earth science datasets and analysis tools. Participants must have an Internet-connected computer and the ability to talk on the phone at the same time. Workshops are offered once or twice per month: registration information is available on the front page of the EET website.

Contribute a Chapter: The EET Chapter Template

Data providers, tool developers, and data-using educators can contribute chapters to the EET in collaboration with the EET team. Using a web-based template, authors enter instructions and images into clearly described fields to generate chapters in the EET format. Contributed chapters can increase educators' and students' awareness of and ability to use data, ultimately resulting in increased demand for Earth science data and tools.

Support documents, including the *EET Chapter Author's Guide* and the *EET Chapter Template Field Descriptions*, are available to guide the EET chapter development

Each EET Chapter Includes…

Chapter Description: An overview of the data analysis techniques and science content of the chapter

Teaching Notes: An example of the data product, suggested grade/age level, learning goals, teaching standards addressed, time required

Case Study: A compelling storyline that provides context for the technology procedures

Step-by-Step Instructions: Text and images that guide the users through the process of accessing data and analysis tools, then manipulating them to draw conclusions and report results

About the Tool and Data: Background information on the analysis tool and sources of data

Going Further: Ideas for exploring different aspects the data or using the tool in new situations

Step-by-Step Instructions

Parts

Steps

Show-me-how

Chapter Parts

Steps in Part 1

Part 1: Step 2: Show me how