# Climate Change Collection Scorecard

**Date:** *2/18/05*
**Reviewer:** *Carrie Morrill*
**Name of resource:** *Trends Online: A compendium of data on global change*
**Sponsoring Organization:** *Carbon Dioxide Information Analysis Center, Oak Ridge Natl Lab*
**URL:** *http://cdiac.esd.ornl.gov/trends/trends.htm*
**Site Homepage:** *http://cdiac.esd.ornl.gov/*
**RESOURCE WITHIN A SITE? <u>Y</u> / N**
**FOUND THROUGH DLESE? <u>Y</u> / N**
**IF SO, WHICH COLLECTIONS?** *DLESE Community Collection*

**RECOMMENDATION** <u>**YES**</u> YES WITH RESERVATIONS NO
**STARS** 1 2 3 **<u>4</u>** 5 (LAME TO STELLAR)
**NARRATIVE** *Site contains raw data and graphs of (1) atmospheric concentrations of greenhouse gases through time and (2) emissions of greenhouse gases by countries and states. Would be nice to see more activities to go along with these data, although sometimes the data are difficult to interpret (too many confounding factors ). Data selections on temperature, clouds and ecosystems extremely limited, to the point of giving an inaccurate representation of data available on these subjects.*

**INTENDED USE**
_**X**_ REFERENCE
___ COMPUTER ACTIVITY
___ NON-COMPUTER ACTIVITY

EDUCATOR OR LEARNER OR **<u>BOTH</u>** IF FOR LEARNER, EVIDENCE ITS BEEN TESTED? Y / **<u>N</u>**
BEGINNER OR ADVANCED OR **<u>BOTH</u>**

**Easily Printed?** Y / **<u>N</u>**

**BUGS & TECHNICAL DIFFICULTIES** (PROBLEMATIC TO ROBUST)
1 2 3 **<u>4</u>**

**SCIENTIFIC ACCURACY** (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)
1 2 3 **<u>4</u>**
EVIDENCE IT HAS BEEN REVIEWED FOR ACCURACY? Y / **<u>N</u>**

**PEDAGOGICAL INFORMATION**
_**X**_ REFERENCE ONLY
___ TEACHER GUIDE
___ MATERIALS LIST
___ ASSESSMENT STRATEGIES
___ TIMEFRAME PROVIDED
___ STANDARDS ALIGNMENT

**PROMOTES STUDENT LEARNING** (WEAK TO STRONG)
1 **<u>2</u>** 3 4
COMMENTS: *In a very raw form now, with plots/raw data and some technical background information. Would have to be made more student-friendly.*

**APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN** (WEAK TO STRONG)
1 2 **<u>3</u>** 4
COMMENTS: *Nothing fancy, plots are generally well-made.*

**VISUAL APPEAL** (WEAK TO STRONG)
1 2 **<u>3</u>** 4
COMMENTS: *Don't like the way it is organized. Lists of datasets overwhelming. Could be organized better into groups of datasets with common features. Also, lots of repetitive text…every dataset on page for atmospheric CO2 measurements does not need to be labeled "Atmospheric CO2 measurement…"*

**TEACHING TIPS:** *If you use these data, be sure to recognize that their interpretations are not always straightforward. For example, carbon emissions by state do not reflect the amount of energy people in a given state use. States that are net producers of energy (that is exported to other states) have higher carbon emissions.*

**RECOMMENDATIONS FOR DEVELOPER:** *See comments above.*