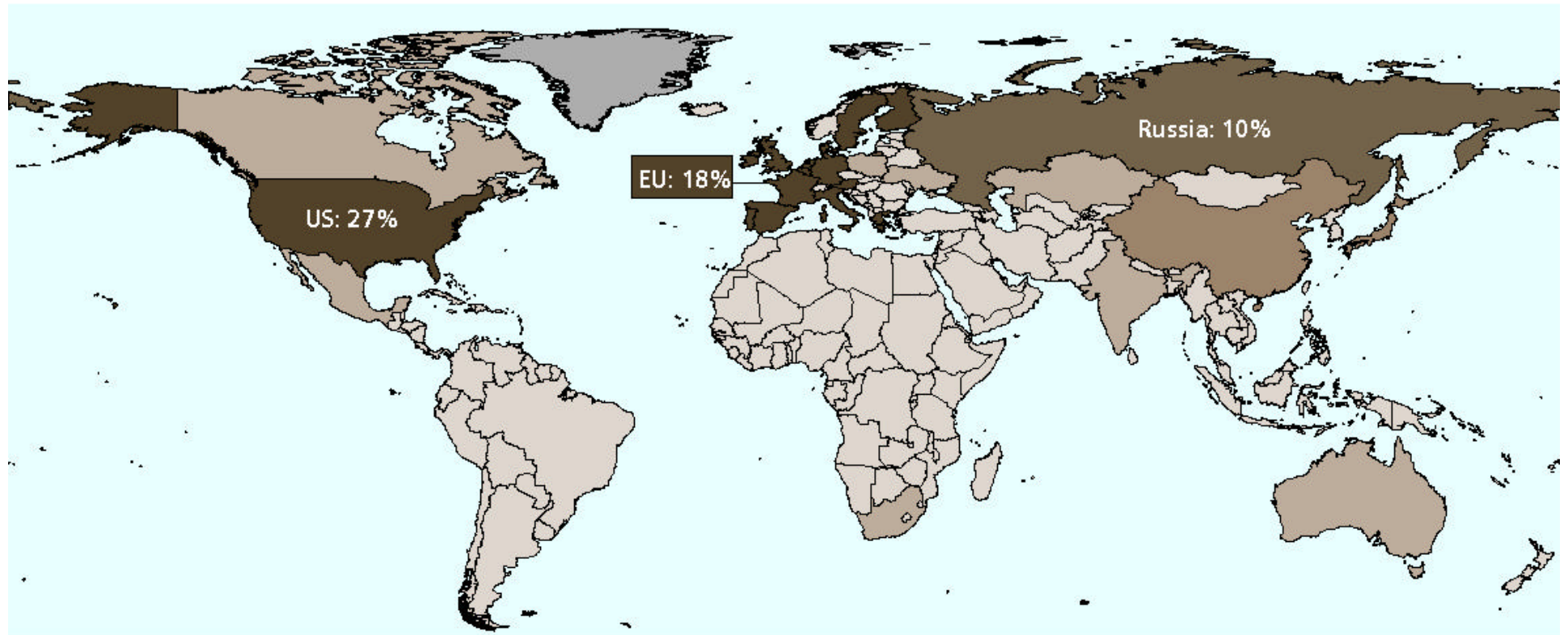


Cumulative Carbon Emissions, 1950 - 1999



Map Projection: Geographic

Citation: World Resources Institute, 2001

Notes:

Map Description:

This map illustrates historic cumulative carbon emissions from 1950 - 1999 (as a percentage of global output) at a country-level . As indicated on the map, areas with highest cumulative emissions are predominantly found in "northern" richer nations such as the U.S. (at 27%) and the EU (at 18%). Alternatively, lowest carbon emissions are found in economically challenged countries such as those in Africa, South America, and South East Asia.

Analytical Overview:

This map was created based on a historic carbon emissions data from 1950 - 1999 (Note that the 1950 - 1996 carbon emissions data was obtained from Marland et al., 2000, while the 1996 - 1999 emissions data was obtained from the U.S. Department of Energy, 2000). The database was edited (to reflect country name differences) and linked to an ESRI global country digital file (ESRI, 1996).

Source:

1. Environmental Systems Research Institute. 1996, World Countries 1995. Redlands, CA: ESRI. 2. DOE (U.S. Department of Energy). 2001, International Energy Annual 1999. Washington, DC:DOE, Energy Information Administration. Available On-line at: <http://www.eia.doe.gov/emeu/iea>. 3. Marland, G., T.A. Boden and R.J. Andres. 2000. Global, Regional and National CO2 Emissions. In Trends: A Compendium of Data on Global Change, 2000. Oak Ridge, TN. .