



Carbon Dioxide Information Analysis Center
Oak Ridge National Laboratory
Oak Ridge, Tennessee 378931-6290

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Metadata Report

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Title:	CMIP5 Global Gridded Historical Monthly Fossil Fuel CO2 Emissions, 1751-2007
Project(s):	Coupled Model Intercomparison Project, Phase 5
Investigator(s):	Cadule, Patricia Patricia.Cadule@lsce.ipsl.fr
Status:	Final

Access Restrictions:	Public																																						
Data Set Location:	Laboratoire des Sciences du Climat et de l'Environnement (LSCE), France																																						
Data Center Contact:	Cadule, Patricia - Patricia.Cadule@lsce.ipsl.fr Phone: 01 69 08 77 11																																						
Data Center URL:	http://www.lsce.ipsl.fr/																																						
Data Set Citation:	CMIP5 Global Gridded Historical Monthly Fossil Fuel CO2 Emissions, 1751-2007. 2010. Available on-line at [http://dods.ipsl.jussieu.fr/cpipsl/ANDRES/] from the Laboratoire des Sciences du Climat et de l'Environnement (LSCE), France.																																						
Download Data Sets:	Global Gridded Historical Monthly Fossil Fuel CO2 Emissions, 1751-2007 NetCDF file. Units = gC/m2/s Globally Integrated Historical Monthly Fossil Fuel CO2 Emissions, 1751-2007 An ASCII file (.txt format) that contains the globally integrated emissions for every month. The units are PgC/month, which differs from the gridded data set.																																						
Parameter Description:	<div style="text-align: center;">  </div> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Sensor</th> <th>Source</th> <th>Term</th> <th>Topic</th> </tr> </thead> <tbody> <tr> <td>EMISSIONS</td> <td>ANALYSIS</td> <td>COMPUTER MODEL</td> <td>AIR QUALITY</td> <td>ATMOSPHERE</td> </tr> <tr> <td>CARBON AND HYDROCARBON COMPOUNDS</td> <td>ANALYSIS</td> <td>COMPUTER MODEL</td> <td>ATMOSPHERIC CHEMISTRY</td> <td>ATMOSPHERE</td> </tr> <tr> <td>TRACE GASES/TRACE SPECIES</td> <td>ANALYSIS</td> <td>COMPUTER MODEL</td> <td>ATMOSPHERIC CHEMISTRY</td> <td>ATMOSPHERE</td> </tr> <tr> <td>FOSSIL FUEL BURNING</td> <td>ANALYSIS</td> <td>COMPUTER MODEL</td> <td>ENVIRONMENTAL IMPACTS</td> <td>HUMAN DIMENSIONS</td> </tr> <tr> <td>GAS FLARING</td> <td>ANALYSIS</td> <td>COMPUTER MODEL</td> <td>ENVIRONMENTAL IMPACTS</td> <td>HUMAN DIMENSIONS</td> </tr> <tr> <td>INDUSTRIAL EMISSIONS</td> <td>ANALYSIS</td> <td>COMPUTER MODEL</td> <td>ENVIRONMENTAL IMPACTS</td> <td>HUMAN DIMENSIONS</td> </tr> </tbody> </table>				Parameter	Sensor	Source	Term	Topic	EMISSIONS	ANALYSIS	COMPUTER MODEL	AIR QUALITY	ATMOSPHERE	CARBON AND HYDROCARBON COMPOUNDS	ANALYSIS	COMPUTER MODEL	ATMOSPHERIC CHEMISTRY	ATMOSPHERE	TRACE GASES/TRACE SPECIES	ANALYSIS	COMPUTER MODEL	ATMOSPHERIC CHEMISTRY	ATMOSPHERE	FOSSIL FUEL BURNING	ANALYSIS	COMPUTER MODEL	ENVIRONMENTAL IMPACTS	HUMAN DIMENSIONS	GAS FLARING	ANALYSIS	COMPUTER MODEL	ENVIRONMENTAL IMPACTS	HUMAN DIMENSIONS	INDUSTRIAL EMISSIONS	ANALYSIS	COMPUTER MODEL	ENVIRONMENTAL IMPACTS	HUMAN DIMENSIONS
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Keywords:	Carbon dioxide Cement production Climate Collections CO2 CO2 emissions Emissions Environmental impacts EOSDIS Fossil fuel burning Fossil fuels Gas flaring Greenhouse gases Industrial emissions																																						
Abstract:	This data set contains global gridded monthly fossil fuel CO2 emissions for 1751 through 2007. The data were compiled for use in forcing historical runs of the Coupled Model Intercomparison Project, Phase 5 (CMIP5) Earth Systems Models (ESMs). The historical fossil fuel CO2 emissions account for solid fuels, liquid fuels, gaseous fuels, gas flaring, and cement production. The data are monthly gridded emissions (gC/m-2/s).																																						
Site Information:	<table border="1"> <tr> <td>Site</td> <td>North</td> <td>West</td> <td>South</td> <td>East</td> <td></td> </tr> <tr> <td>Global (gridded)</td> <td>90</td> <td>-180</td> <td>-90</td> <td>180</td> <td><input type="button" value="Locate"/></td> </tr> </table> <div style="text-align: right;">  </div>				Site	North	West	South	East		Global (gridded)	90	-180	-90	180	<input type="button" value="Locate"/>																							
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Additional Documentation:	See &#226;?&#156;Important Technical Issues&#226;?&#157; Regarding the CO2 Emissions Data Set
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