

Use IFs (Download): Environment

This is the approved revision of this page, as well as being the most recent.

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The Advanced Sustainability Analysis sub-sub-option can be reached from the Display option on the Main Menu, the Specialized Display sub-option and then the Advanced Sustainability Analysis sub-sub-option. It is also located under the Main Menu Map options.

Advanced Sustainability Analysis				
Continue Using Countries/Regions Percent Change From Base Case About ASA				
Countries or Regions	Canada	Select Year	2005	
Select File:	0 - Working File, based on IFSBASE.RUN			
Category	Fossil Fuel Use (BBOE)	Carbon Emissions (Billion Tons)	Deforestation (Million Hectares)	Water Use (Cubic Kilometers)
RAW VALUES				
Raw annual values	0.0213	0.1664	0	44.72
Cumulative change in raw values, percent	0	0		0
GDP-BASED PERSPECTIVE				
Impact/Intensity per million GDP	0.0259	0.2023	0	54.38
Cumulative dematerialization of impact per unit of GDP, percent	0	0		0
Raw values associated with GDP growth (defined as gross rebound effect)	0	0	0	0
POPULATION-BASED PERSPECTIVE				
Impact/Intensity per thousand population	0.6596	5.151	0	1385
Cumulative dematerialization of impact per unit of population, percent	0	0		0
Raw values associated with population growth (defined as gross rebound eff)	0	0	0	0
LABOR EMPLOYMENT-BASED PERSPECTIVE				
Impact/Intensity per thousand labor	1.207	9.43	0	2534
Cumulative dematerialization of impact per unit of labor, percent	0	0		0
Raw values associated with labor growth (defined as gross rebound effect)	0	0	0	0
Category	Values	Cumulative Percentage Change		
GDP, billion	822.4	0		
Population, million	32.3	0		
Labor Force, million	17.65	0		

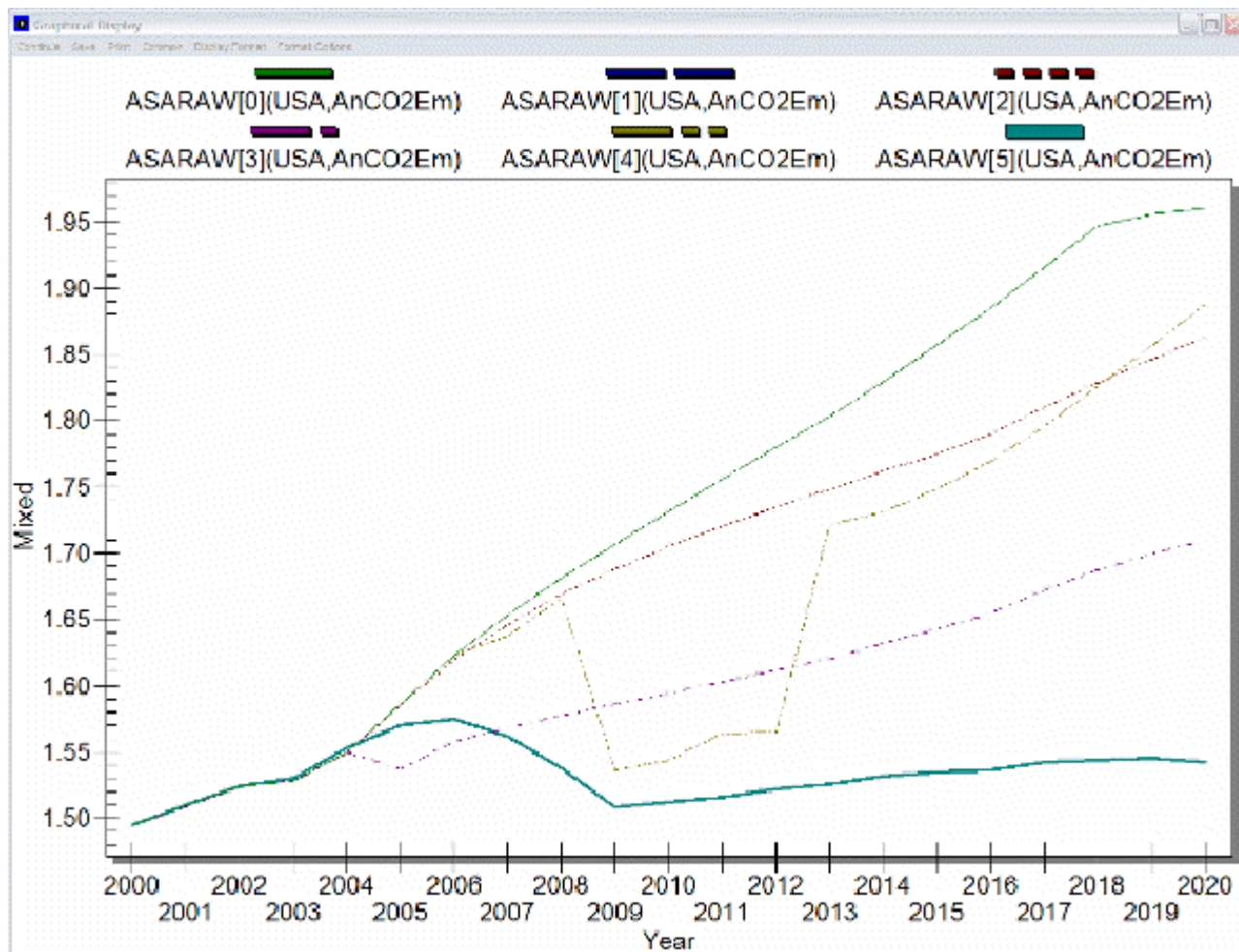
Double click on any numerical value for options.

Main Menu Map options

The above matrix helps you understand the relationship between material inputs (such as fossil fuels and water) flowing into human systems and emissions coming from human systems (such as carbon dioxide), on the one hand, and size of GDP, population, and labor force on the other. It helps track whether ratios of inputs and outputs are increasing or decreasing relative to the size of human systems.

Double click on any numerical cell that you are interested in and then choose to Show Over Time. Selecting this will bring up a table that forecasts your selected variable over time and for different Run-Result-Files.

Use ASA to produce a graph that shows carbon emissions (in billions of tons) for the USA. Depending on the Run-Result-Files you use, it may look similar to the graph below:



Graph of carbon emissions (in billions of tons) for the USA

Click on the About ASA option to learn more.

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