

CEDA®

CEDA® (Comprehensive Environmental Data Archive) is an extensively peer-reviewed suite of environmentally extended input-output databases first launched in 2000. These are designed to assist various environmental systems analyses including life cycle assessments (LCA), carbon, energy, water, waste, and toxic impact assessment throughout the supply chain.

CEDA represents 389 industrial sectors, the commodities and the linkages between them, and over 2,700 environmental exchanges arising from them, including extraction of various natural resources, water consumption, land use, and emissions to air, water and soil.

Clear choice by market leaders

CEDA® played a key role in numerous major studies in the U.S. and abroad including:

- Environmental Impact of Products (EIPRO) study by the European Commission
- Sustainable Materials Management: Road Ahead and Recycling's Economic Impact (REI) Reports by U.S. EPA
- Building Environmental and Economic Sustainability (BEES) database by NIST
- Sustainable Spend Analysis by the U.S. Federal GSA and California State DGS
- Various projects by Fortune 500 companies and multinational financial, auditing, and credit rating companies.

Continuous improvements

CEDA®'s best asset is its users and their feedback over the last decade and half. CEDA® is, and has been, continuously improved thanks to its global user network in both public and private sectors. CEDA® version 5 builds on tried-and-true methods and introduces exciting new features. **Annual updates** are planned so that its users can use the most up-to-date data available, and **quantitative uncertainty analysis** compatible withecoinvent ver3 is provided. For the first time in the market, the database distinguishes **nuclear, solar, wind, hydro, coal, natural gas, and oil electricity generation** as well as average grid mix electricity for **26 U.S. grid regions**. Additional indicators covering **socio-economic impacts** and **U.S. state-specific impact data** will be provided in subsequent updates. Such updates will be released to active subscribers as they become available.



Knowing that world class science is behind CEDA gives us, and our clients, ultimate confidence in the methodology and process we require from the enterprise and supply chain footprints.

Phil Williams
 Vice President, Webcor Builders

Wide environmental impact coverage

CEDA supports up-to-date characterization models of TRACI 2.0 and IMPACT2002. Impact categories included in CEDA are:

Characterization models	TRACI	IMPACT2002	
		Mid-point	End-point
Impact categories	<ul style="list-style-type: none"> • Global Warming • Acidification • Human Health—Criteria Air • Eutrophication • Ozone Depletion Air • Smog • Ecotoxicity • Human health—Cancer • Human health—Non-Cancer • Primary Energy Consumption • Land Use • Water Consumption 	<ul style="list-style-type: none"> • Carcinogenic effects • Non-carcinogenic effects • Respiratory effects • Ionizing radiations • Ozone layer depletion • Respiratory effects (organic) • Aquatic ecotoxicity • Terrestrial ecotoxicity • Aquatic acidification • Aquatic eutrophication (P) • Aquatic eutrophication (N) • Aquatic eutrophication (undefined) • Terrestrial acidification • Land occupation • Global warming • Non-renewable energy • Mineral extraction 	<ul style="list-style-type: none"> • Total Human Health • Total Ecosystem Quality • Total Climate Change • Total Resources