



Análisis de Ciclo de Vida

Análisis de Inventario



Asignación de productos y coproductos



Quando salimos a cenar, ¿Cómo repartimos la cuenta?



El que gana más
paga todo



Pagan
proporcionalme
nte de acuerdo
al ingreso
personal

Se divide la
cuenta en partes
iguales entre
todos

Cada quien paga
lo que comió

¿Qué otras
opciones
propones?

CADIS
ACADEMY





En cualquier situación, puede haber diferentes acuerdos sobre cómo asignar los recursos / las tareas.

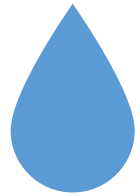
No hay una solución única; es un acuerdo entre los involucrados



Trigo

El proceso utiliza insumos (agua, fertilizante, combustible) y genera dos productos: semillas de trigo y paja

Insumos



Proceso



Productos

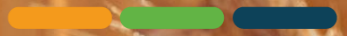
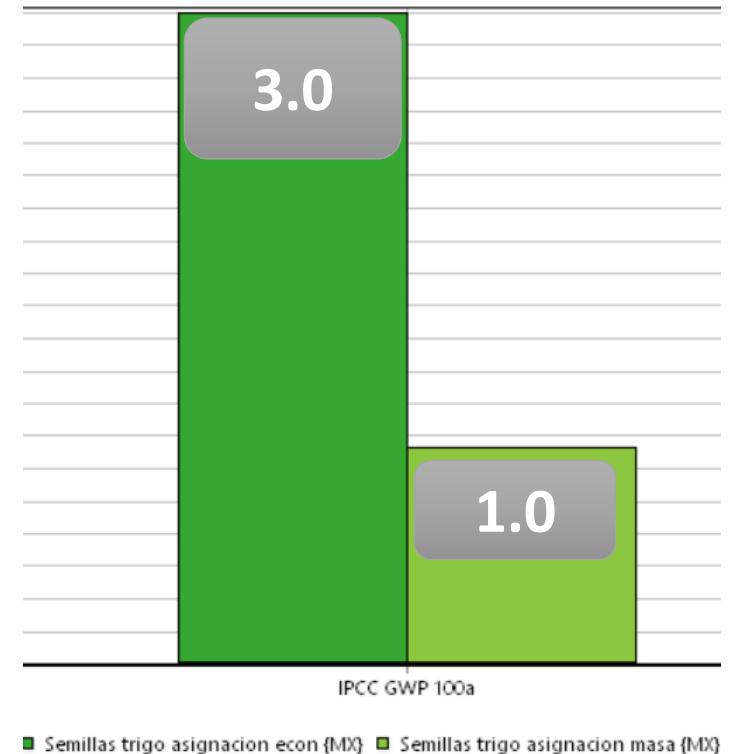


¿Cuánto se asigna?

Criterio	Trigo	Paja
masa	20%	80%
económico	60%	40%

¿Cuál te parece más acertado? ¿por qué?
¿En qué casos usarías asignación económica, y en cuáles prefieres asignación por masa?

1 kg. de trigo



Cuero. Vegetal y de origen animal



Carne	Piel
Producto	Residuo
Producto	Co-producto

Alimento (fruta)	Cáscara, fibras
Producto	Residuo
Producto	Co-producto

PCR – Product Category rules – Reglas para la elaboración de EPD

4.6 – Reglas de asignación

Varía para cada producto, por ejemplo, para fish (pez/pescado):

Producto principal: • Pez vivo; • Pescado, filetes de pescado y carne de pescado (incluso picada): frescos, refrigerados o congelado; • Pescado, filetes y carne de pescado, ahumados o salados: frescos, refrigerados o congelado.

Coproductos: hígado y otros subproductos no destinados a humanos consumo (por ejemplo: cabeza y eviscerado utilizados como ingredientes para alimentos para mascotas o alimento para otros animales destinados a la producción de alimentos).

INSTRUCCIÓN DE ASIGNACIÓN

Asignación económica en función de los precios de mercado de las distintas fracciones.

Si no se dispone de datos, los impactos se asignarán íntegramente al producto principal.



Más información EPD



Conversión de unidades



Consulta el Excel

Convertir a kilogramos
y sumar

120 onzas
10 libras
0.015 toneladas cortas
658,000 miligramos

Convertir a litros
y sumar

20 pints
220 onzas líquidas
5 galones
1,000 mililitros





Análisis de Inventario utilizando datasets

Insumos



Proceso



Producto



Emisiones





Para obtener el inventario, se contabilizan todos los procesos del ciclo de vida

Por ejemplo,

- Para producir alimentos puedes necesitar semillas, agua, energía eléctrica, **transporte**, etc...
- Para tener **transporte** requieres de un vehículo (plástico, acero, **textiles**, vidrio, etc), aceite, anticongelante, combustible...
- Para producir **textiles** puedes necesitar productos agrícolas o del petróleo, energía, etc...



Navegador ACV	
Instructor	Nombre
Instructores	Electricity, high voltage {GT} electricity, high voltage, import from HN Cut-off, S
Objetivo y alcance	Electricity, high voltage {GT} market for electricity, high voltage Cut-off, S
Descripción	Electricity, low voltage {GT} electricity voltage transformation from medium to low voltage
Bibliotecas	Electricity, low voltage {GT} market for electricity, low voltage Cut-off, S
Inventario	Electricity, medium voltage {GT} electricity voltage transformation from high to medium
Procesos	Electricity, medium voltage {GT} market for electricity, medium voltage Cut-off, S
Etapas de producto	
Descripciones del sistema	



For the availability of environmental data worldwide

Publisher of the world's most consistent & transparent life cycle inventory database

Database

[About & Usage](#) ▾

locations, otherwise referred to as **geographies**, are reported using internationally accepted abbreviations as part of the dataset's name. As the ecoinvent database is a background database, the aim is to cover activities in the most relevant geographies for the selected product or service. At the same time, geographic coverage is dependent on data quality and availability. Thus, almost every activity in the database features a dataset representing the process globally, meaning the average global production.

For each dataset in the ecoinvent database, **Life Cycle Impact Assessment (LCIA)** scores for several impact assessment methods (such as "IPCC 2013", "EF v3.0", or "ReCiPe") and corresponding impact categories (such as "climate change", "human toxicity", "water use", or "land use") are available.

The structure of the database allows users to trace the impacts of their products throughout the supply chain and understand their results. Moreover, it grants flexibility as it allows different uses of the data depending on the users' needs. Apart from the **LCIA** scores for individual products, users may, for example, also be interested in **emission profiles; bills of materials; material flows; mass, water and carbon accounts; or average technology mixes.**

[Database Overview](#) →

Conoce la base de datos Ecoinvent



Filtra la información que te interesa

Activity UUID	Activity Name	Geography	Time Period
00093951-0c71-4a74-96d8-ece560038	trea	CH	2005 - 2021
00093951-0c71-4a74-96d8-ece560038	trea	CH	2005 - 2021
00093951-0c71-4a74-96d8-ece560038	trea	CH	2005 - 2021
00093951-0c71-4a74-96d8-ece560038	trea	CH	2005 - 2021
00093951-0c71-4a74-96d8-ece560038	trea	CH	2005 - 2021
00093951-0c71-4a74-96d8-ece560038	trea	CH	2005 - 2021
000bede7-0187-5416-a313-2f856ad910	land already in use, an	BR-AM	2014 - 2021
0019455c-5e37-5ea5-aec7-7e53da2faf	market for SOx retained	RER	2018 - 2021
001a7c31-a39b-4606-9877-d6cfc36e5f	polyurethane production	RER	1997 - 2021
001a7c31-a39b-4606-9877-d6cfc36e5f	polyurethane production	RER	1997 - 2021
001b83bb-d07c-4c91-90c1-5a9437badf	2-nitroaniline production	GLO	2010 - 2021
001fa547-fbbd-4172-9492-0f58076c455	market for used locomotives	GLO	2011 - 2021
002da2f2-595b-427e-ae3a-3f7dcd7697	softwood forestry, mixed	GLO	2010 - 2021
002da2f2-595b-427e-ae3a-3f7dcd7697	softwood forestry, mixed	GLO	2010 - 2021
002da2f2-595b-427e-ae3a-3f7dcd7697	softwood forestry, mixed	GLO	2010 - 2021
002da2f2-595b-427e-ae3a-3f7dcd7697	softwood forestry, mixed	GLO	2010 - 2021
0034311f-df7c-5cb8-926d-efc87fcc64a	market for trichloromethane	RER	2018 - 2021
00352317-8629-4778-96a7-abfa11c1fa	treatment of waste polyethylene	GLO	2006 - 2021
00352317-8629-4778-96a7-abfa11c1fa	treatment of waste polyethylene	GLO	2006 - 2021
00352317-8629-4778-96a7-abfa11c1fa	treatment of waste polyethylene	GLO	2006 - 2021
00352317-8629-4778-96a7-abfa11c1fa	treatment of waste polyethylene	GLO	2006 - 2021
00352317-8629-4778-96a7-abfa11c1fa	treatment of waste polyethylene	GLO	2006 - 2021
003647b4-36d7-4009-9e82-cf999cf63cd	tea production, dried	LK	2009 - 2021
003647b4-36d7-4009-9e82-cf999cf63cd	tea production, dried	LK	2009 - 2021
0036e50d-8e5b-438c-b94c-4ee403503	electricity production, natural gas, conventional	CN-HU	1990 - 2021
0036e50d-8e5b-438c-b94c-4ee403503	electricity production, natural gas, conventional	CN-HU	1990 - 2021
003ad59e-1069-4a8f-ada1-6785cf19e7	market for wastewater from medium density board	GLO	2012 - 2021
003e869a-f532-46cc-b8d4-641988008e	lath, hardwood, raw, air drying to u=20%	CA-QC	2011 - 2021
003f9a31-c540-4351-a434-3b1b1c791b	electricity production, hard coal	NL	1980 - 2021

Activity UUID	Activity Name	Geography	Time Period
0093951-0c71-4a74-96d8-ece560038	treatment of used laptops		200
0093951-0c71-4a74-96d8-ece560038	treatment of used laptops		200
0093951-0c71-4a74-96d8-ece560038	treatment of used laptops		200
0093951-0c71-4a74-96d8-ece560038	treatment of used laptops		200
0093951-0c71-4a74-96d8-ece560038	treatment of used laptops		200
0093951-0c71-4a74-96d8-ece560038	treatment of used laptops		200
00bede7-0187-5416-a313-2f856ad910	land already in use, an		201
0019455c-5e37-5ea5-aec7-7e53da2faf	market for SOx retained		201
001a7c31-a39b-4606-9877-d6cfc36e5f	polyurethane production		199
001a7c31-a39b-4606-9877-d6cfc36e5f	polyurethane production		199
001b83bb-d07c-4c91-90c1-5a9437badf	2-nitroaniline production		201
001fa547-fbbd-4172-9492-0f58076c455	market for used locomotives		201
002da2f2-595b-427e-ae3a-3f7dcd7697	softwood forestry, mixed		201
002da2f2-595b-427e-ae3a-3f7dcd7697	softwood forestry, mixed		201
002da2f2-595b-427e-ae3a-3f7dcd7697	softwood forestry, mixed		201
002da2f2-595b-427e-ae3a-3f7dcd7697	softwood forestry, mixed		201
034311f-df7c-5cb8-926d-efc87fcc64a	market for trichloromethane		201
0352317-8629-4778-96a7-abfa11c1fa	treatment of waste polyethylene		200
0352317-8629-4778-96a7-abfa11c1fa	treatment of waste polyethylene		200
0352317-8629-4778-96a7-abfa11c1fa	treatment of waste polyethylene		200
0352317-8629-4778-96a7-abfa11c1fa	treatment of waste polyethylene		200
03647b4-36d7-4009-9e82-cf999cf63cd	tea production, dried		200
03647b4-36d7-4009-9e82-cf999cf63cd	tea production, dried		200
036e50d-8e5b-438c-b94c-4ee403503	electricity production, natural gas, conventional		199
036e50d-8e5b-438c-b94c-4ee403503	electricity production, natural gas, conventional	CN-HU	199
03ad59e-1069-4a8f-ada1-6785cf19e7	market for wastewater from medium density board	GLO	201
03e869a-f532-46cc-b8d4-641988008e	lath, hardwood, raw, air drying to u=20%	CA-QC	201
03f9a31-c540-4351-a434-3b1b1c791b	electricity production, hard coal	NL	198





ecoinvent 3.8 Dataset Documentation

'lemon production - MX'

Note: This document contains only an extract of the information in the dataset. Additional data about properties of exchanges, mathematical relations, parameters, and contact information for authors and reviewers are available in the full dataset, i.e. in ecoSpold format. Amount and identity of the exchanges in an undefined dataset are independent of modeling choices of the different system models. Linked dataset are available in separate documents.

[Link to the dataset on ecoquery website](#)



Database

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Login

Access the online browser for the ecoinvent database below. Search for datasets and view their content.

Login ecoinvent version 3





¡Gracias!

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