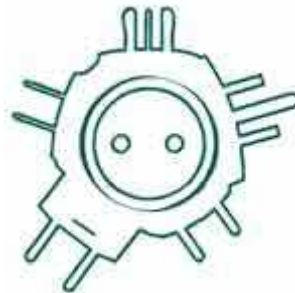
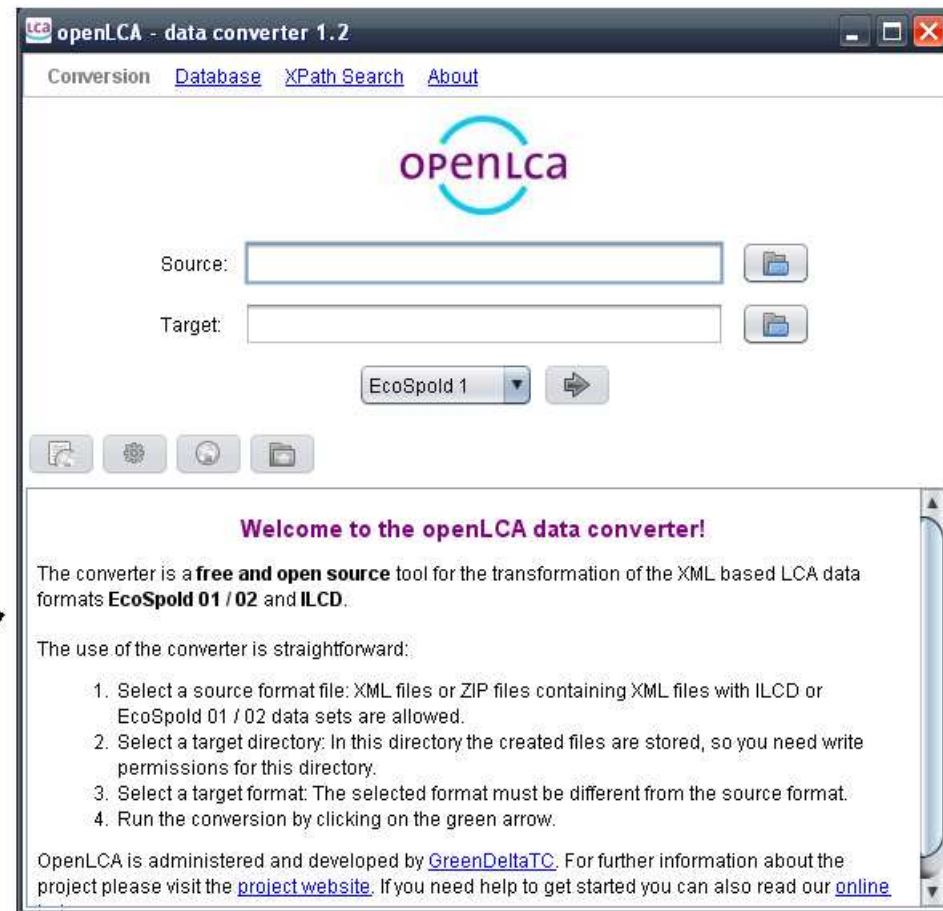
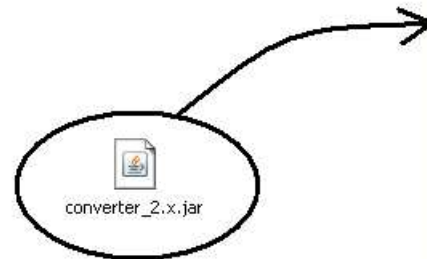


# How to use the openLCA converter 2.0?



download the  
JAR file and run  
it with a double  
click\*



\*requires that you have java installed (<http://java.com>)



converter\_2.x.jar



database



templates

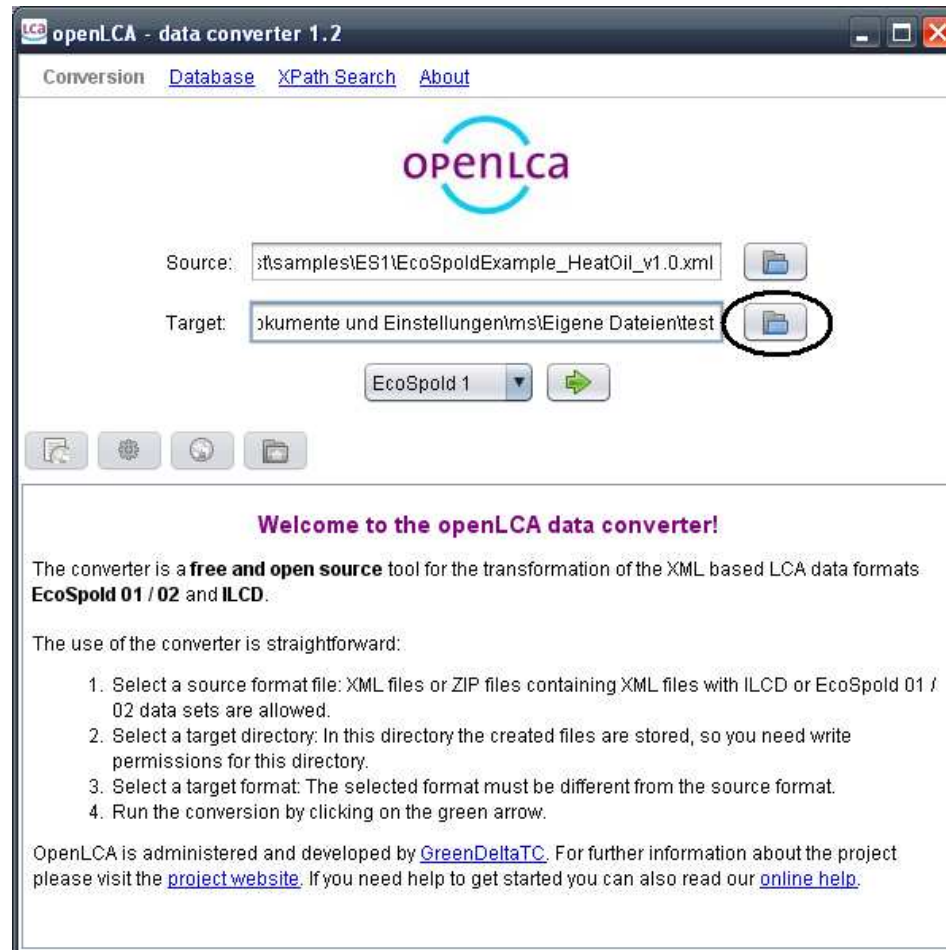
Starting the first time, the converter extracts a database and a template folder

Convert a dataset

Select a source file



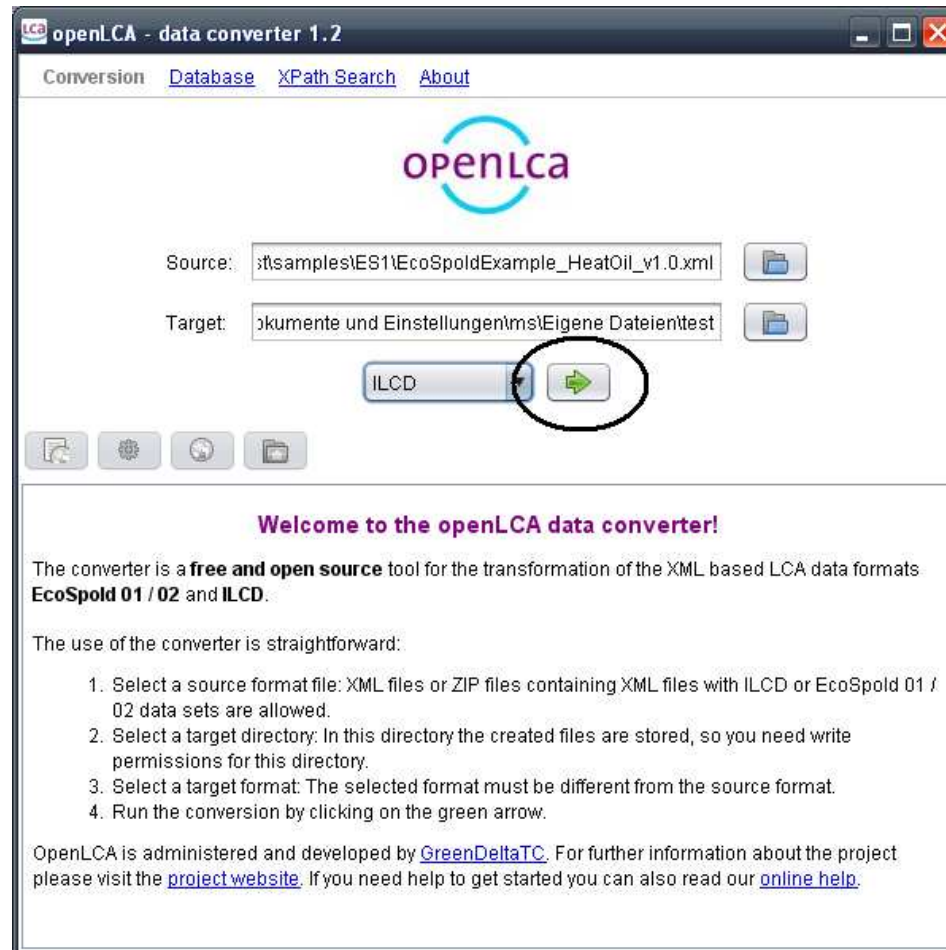
Select a target file



select a target format



# Run the conversion



The converter  
creates XML files  
and one HTML  
file with links to  
these XML files:  
the conversion  
index



You can view the XML files in the converter  
 (you can go back to the conversion index by clicking on the index button)



You can validate  
the created XML  
files against their  
schemas...



... and the converter creates a validation report



Additionally, you can open the index file in your browser or you can jump into the folder with the created content with the browser and file system button



If the format and your browser support XML style-sheets you can get a more user friendly view on the data set

The screenshot shows a web browser window with the title "Process data set: crude oil, at production offshore; (en)". The address bar shows a file path: "file:///C:/Dokumente%20und%20Einstellungen/ms/Eigene%20Dateien/test/ILCD/". The page content is structured as follows:

**Process data set: crude oil, at production offshore; (en)**  
 Table of Contents: [Process information](#) - [Modelling and validation](#) - [Administrative information](#) - [Inputs and Outputs](#)

**Process information**

**Key Data Set Information**

Location	NO
Reference year	1990
Name	Base name crude oil, at production offshore
Technical purpose of product or process	mix of primary, secondary and tertiary production methods
Classification ( <a href="#">EcoSpold - categories</a> )	Class name / Hierarchy level oil / production
Classification ( <a href="#">EcoSpold - local categories</a> )	Class name / Hierarchy level Erdöl / Erdöl
Copyright? Yes	Owner of data set (contact data set) <a href="#">Ecoinvent Centre</a>

**Quantitative reference**

Reference flow(s)	crude oil, at production offshore - 1.0 kg (Mass)
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**Time representativeness**

Data set valid until:	1994
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**Geographical representativeness**

**Technological representativeness**

Technology description including background system	oil exploration and production, pumping and thermal energy, separation of oil and water
--	---

What to do with the conversion output?

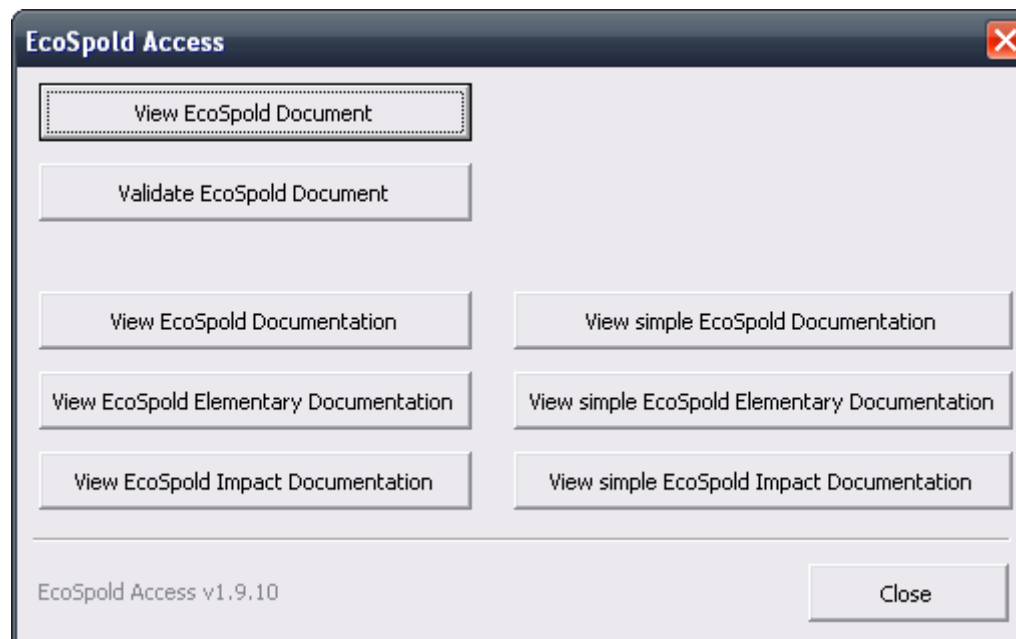
Pure technical conversion is limited.

You should check and may edit the dataset before using it.

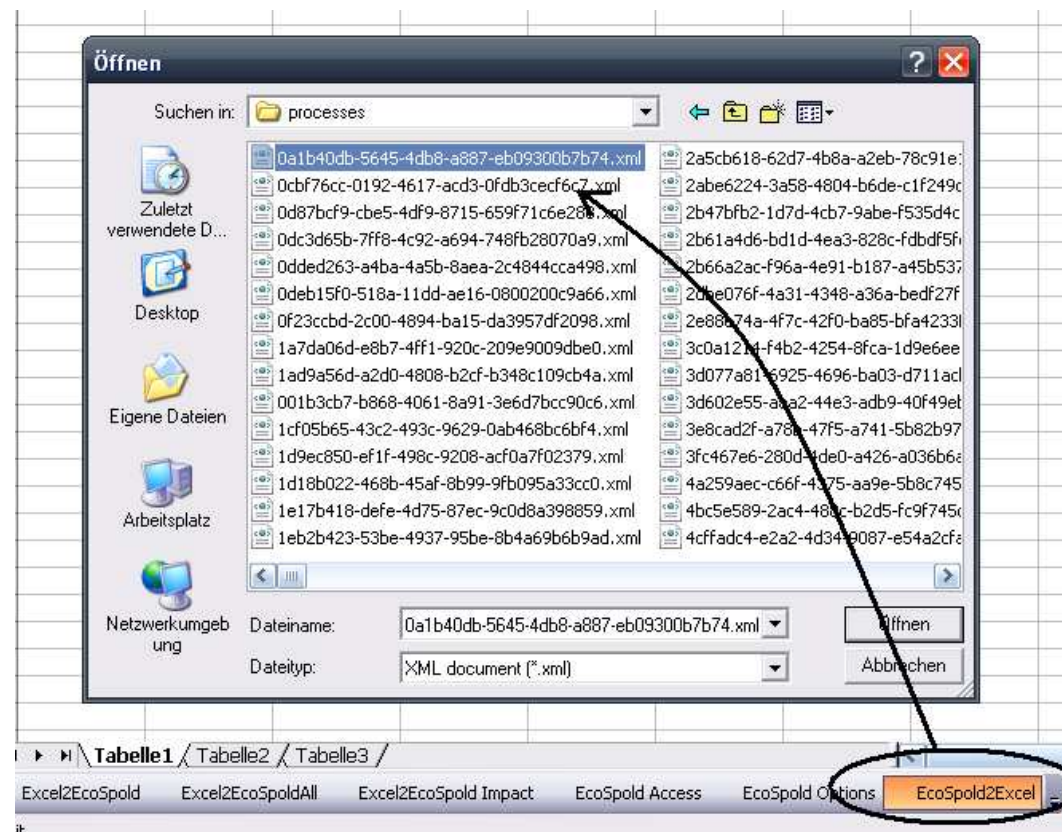
There are free editors, provided by the respective format authors, for doing this!

Edit EcoSpold 01 data sets

Get EcoSpoldAccess from  
<http://www.ecoinvent.org/database/ecospold-data-format/ecospoldaccess/>



Click on 'EcoSpold2Excel' and open an EcoSpold 01 process data set

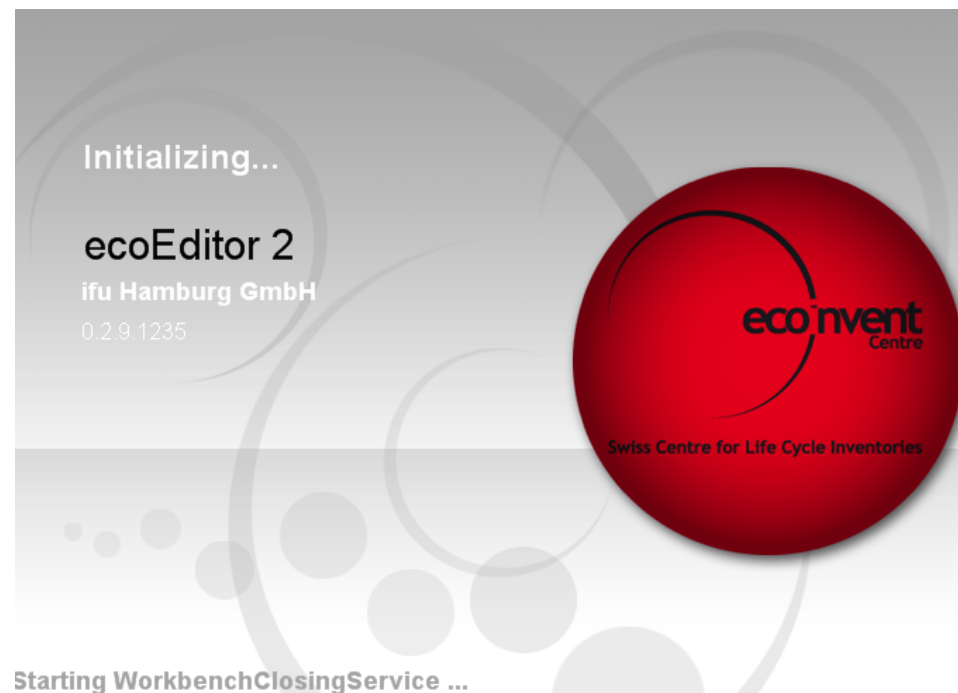


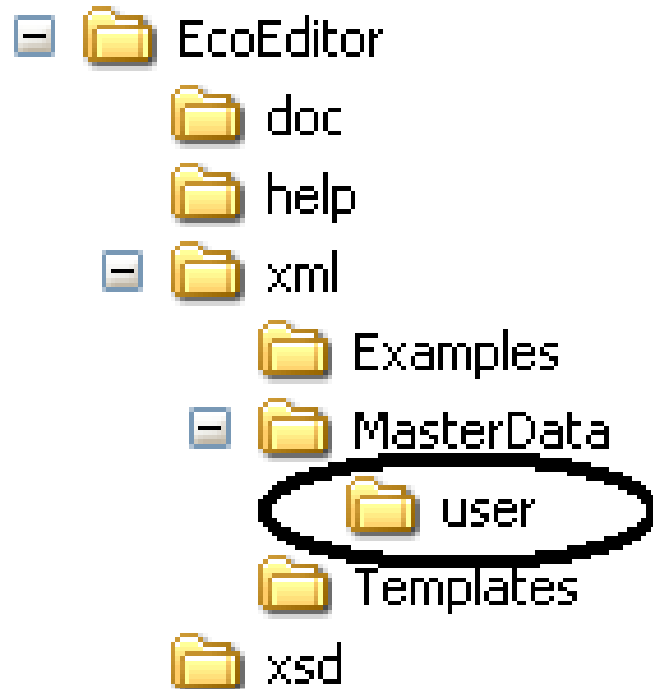
The result should look like this

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2			ID	3503	3504	3702	3703	3506	3507	3508	3706	3707	
3		Explanations	401	Input-Group	Output-Group	Name	Location	Category	Sub-Category	Infrastructure-Process	Unit	electricity mix	
4			662			Location						EU-27	
5			493			InfrastructureProcess						0	
6			403			Unit						MJ	
7		resource, in air	4	air			resource	in air			kg	2,74E-0	
8			4	Energy, kinetic (in wind), converted			resource	in air			MJ	1,13E-1	
9			4	Energy, solar, converted			resource	in air			MJ	9,76E-2	
10			4	oxygen			resource	in air			kg	-7,29E-3	
11			4	nitrogen			resource	in air			kg	3,37E-10	
12			4	Carbon dioxide, in air			resource	in air			kg	1,01E-2	
13		resource, in ground	4	barium sulfate			resource	in ground			kg	5,54E-14	
14			4	baryte			resource	in ground			kg	1,91E-4	
15			4	Basalt, in ground			resource	in ground			kg	6,52E-4	
16			4	Aluminium, 24% in bauxite, 11% in crude ore, in ground			resource	in ground			kg	3,92E-6	
17			4	Clay, bentonite, in ground			resource	in ground			kg	7,93E-5	
18			4	Coal, brown, in ground			resource	in ground			kg	1,31E+0	
19			4	Calcite, in ground			resource	in ground			kg	6,12E-3	
20			4	calcium chloride			resource	in ground			kg	5,67E-12	
21			4	chromium			resource	in ground			kg	4,20E-7	
22			4	Clay, unspecified, in ground			resource	in ground			kg	4,11E-5	
23			4	Colemanite, in ground			resource	in ground			kg	3,00E-7	
24			4	copper			resource	in ground			kg	5,42E-7	
25			4	Oil, crude, in ground			resource	in ground			kg	6,83E-1	
26			4	Dolomite, in ground			resource	in ground			kg	2,22E-8	
27			4	Fluorspar, 92%, in ground			resource	in ground			kg	2,79E-8	
28			4	gold			resource	in ground			kg	2,31E-12	
29		resource, in water	4	Water, salt, sole			resource	in water			m3	1,01E-3	
30		resource, in ground	4	Gypsum, in ground			resource	in ground			kg	2,09E-5	
31			4	Coal, hard, unspecified, in ground			resource	in ground			kg	2,03E+0	
32			4	Metamorphous rock, graphite containing, in ground			resource	in ground			kg	2,08E+0	
33			4	iron			resource	in ground			kg	9,22E-5	
34			4	Kaolinite, 24% in crude ore, in ground			resource	in ground			kg	5,39E-7	

Edit EcoSpold 2 datasets

Get the new ecoEditor from  
[http://www.ecoinvent.org/ecoinvent-  
v3/ecoeditor-v2/](http://www.ecoinvent.org/ecoinvent-v3/ecoeditor-v2/)





AFTER BACKUP,  
replace the files under  
the folder  
*xml/MasterData/users*  
of your ecoEditor  
installation...



... with the files from  
Content/MasterData  
of the conversion  
output

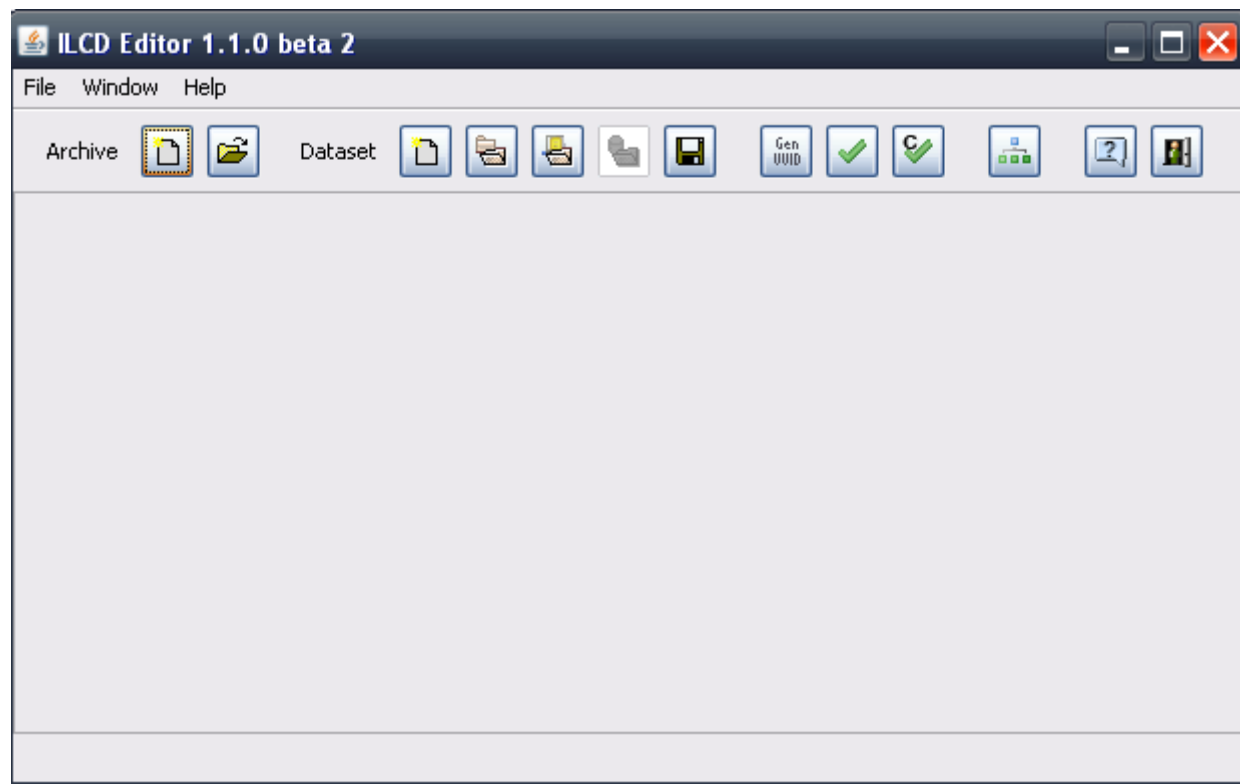
The screenshot shows the 'ecoEditor 2' application window. The 'Activity Description' tab is active, displaying a table of activity details. The activity name is 'Process steam from light fuel oil, heat plant, consumption mix, at plant, MJ, BG, 2002 - 2010'. The table is organized into sections: Activity, Classifications, Geography, and Technology.

Activity	
Activity Name	Process steam from light fuel oil, heat plant, consumption mix, at plant, MJ
Type	2 - SystemTerminated
Special Activity Type	0 - OrdinaryTransformingActivity
Inheritance Depth	0 - NotAChild
General Comment	Good overall data quality. Energy carrier mix information based on official statistical information including import / export. A detailed heat plant model was used, which combine measured emissions plus calculated values for not measured emissions of e.g. organics or heavy metals. Energy carrier extraction and processing data is of sufficient to good (e.g. refinery) data quality. Inventory is partly based on primary industry data, partly on secondary I...
Included Activities Start	
Included Activities End	
Synonym	
Tag	
Energy Values	0 - Undefined
Master Allocation Property	< None >
Allocation Comment	For the combined crude oil, natural gas and natural gas liquids production allocation by net calorific value is applied. Within the refinery allocation by net calorific value and mass is used.
Dataset Icon	
Classifications	
System : Value	ILCD Classification: Energy carriers and technologies/Heat and steam
Geography	
Shortname	BG
Comment	The data set represents the country / region specific situation, focusing on the main technologies, and the region specific characteristics.
Technology	
Technology Level	0 - Undefined
Comment	The process steam is produced in a light fuel oil specific heat plant. The Bulgarian specific fuel supply (share of resources used, by import and / or domestic supply) including the Bulgarian specific energy carrier properties (e.g. element and energy contents) are accounted for. Furthermore Bulgarian specific technology standards of heat plants regarding efficiency, firing technology, flue-gas desulphurisation, NOx removal and dedusting are considered. The Bulgarian emission factors can be found in the table below in the corresponding column. The data set considers the whole supply chain of the fuels from exploration over extraction and preparation to transport of fuels to the heat plants. Furthermore the data set comprises the infrastructure as well as end-of-life of the plant. The background system is addressed as follows: Transports: All relevant and known transport processes used are included. Overseas transports including rail and truck transport to and from major ports for imported bulk resources are included. Furthermore all

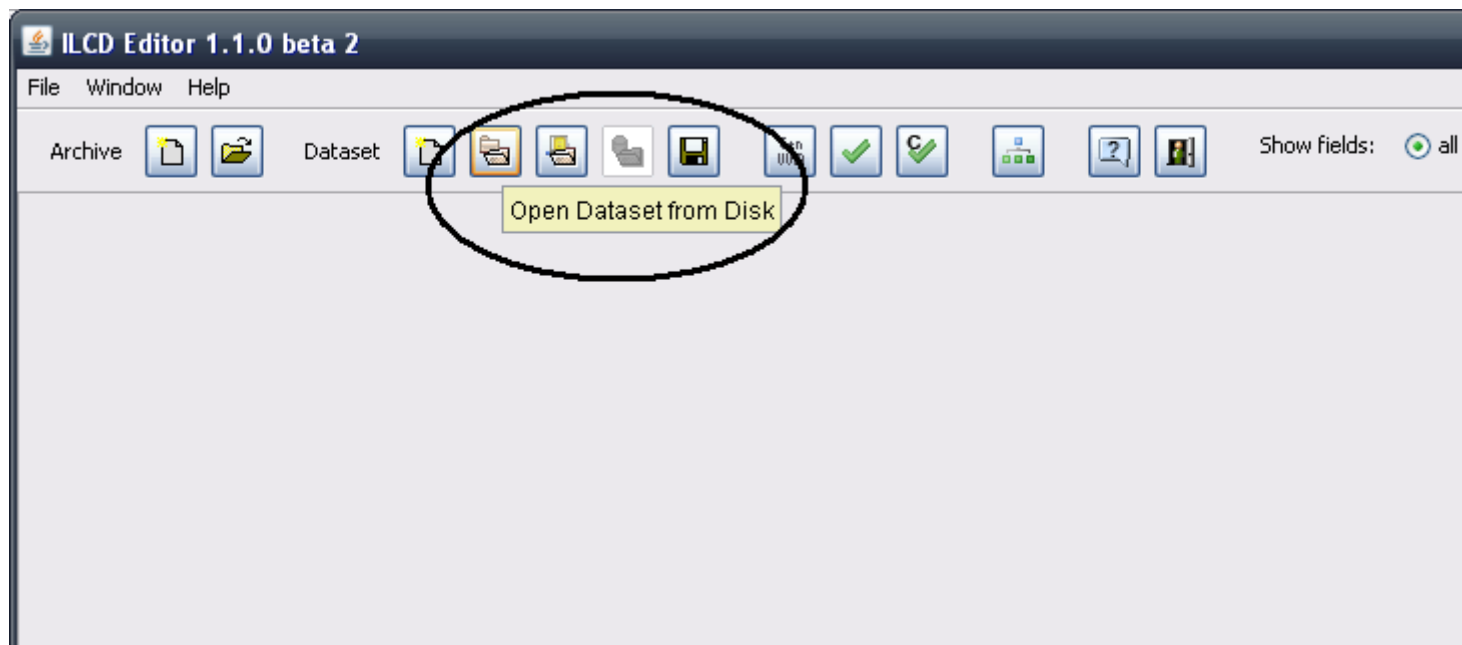
Then, after a restart, you can open the activity data sets of the **Content** folder with the ecoEditor

Edit ILCD datasets

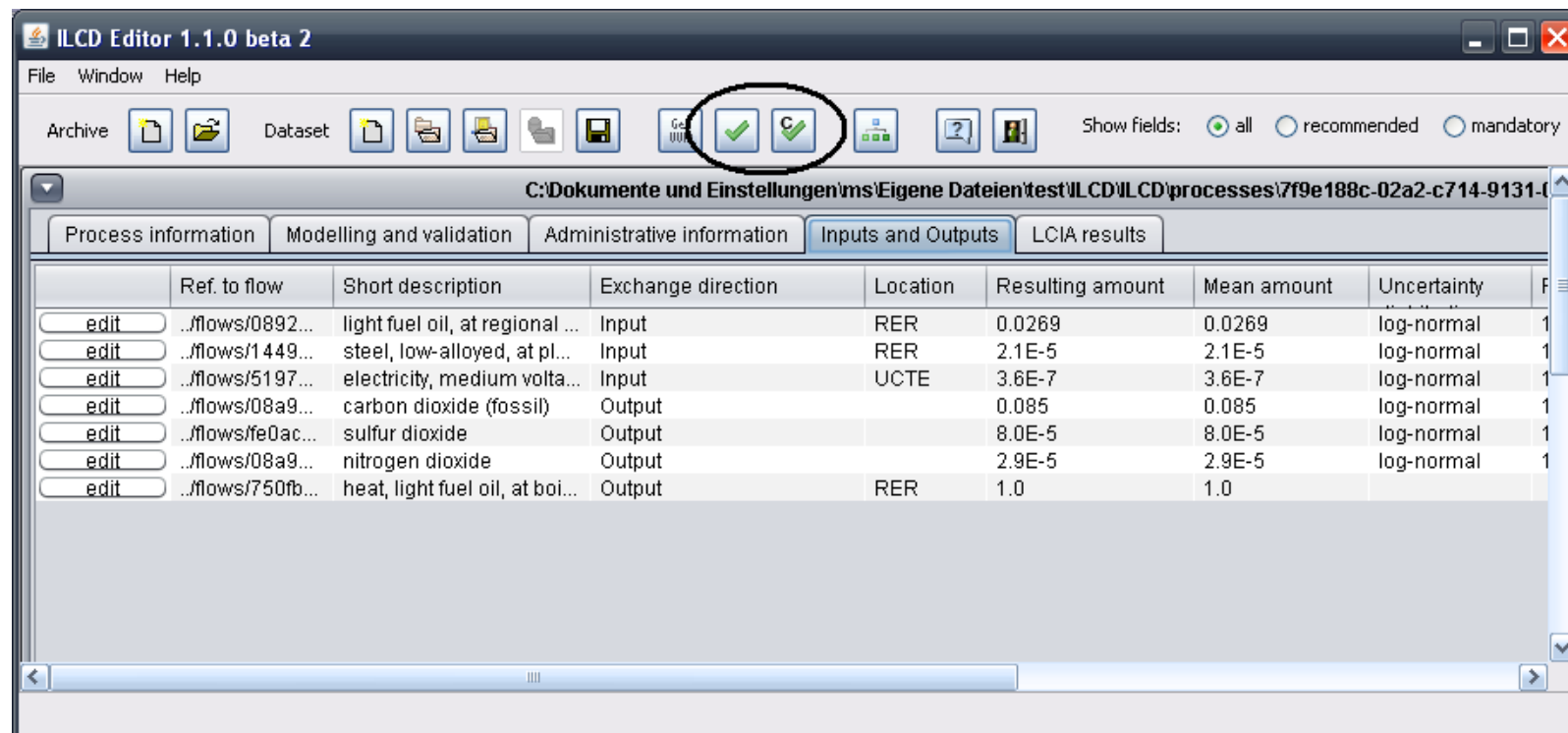
Get the new ILCD Editor from  
[http://lct.jrc.ec.europa.eu/assessment/  
tools](http://lct.jrc.ec.europa.eu/assessment/tools)



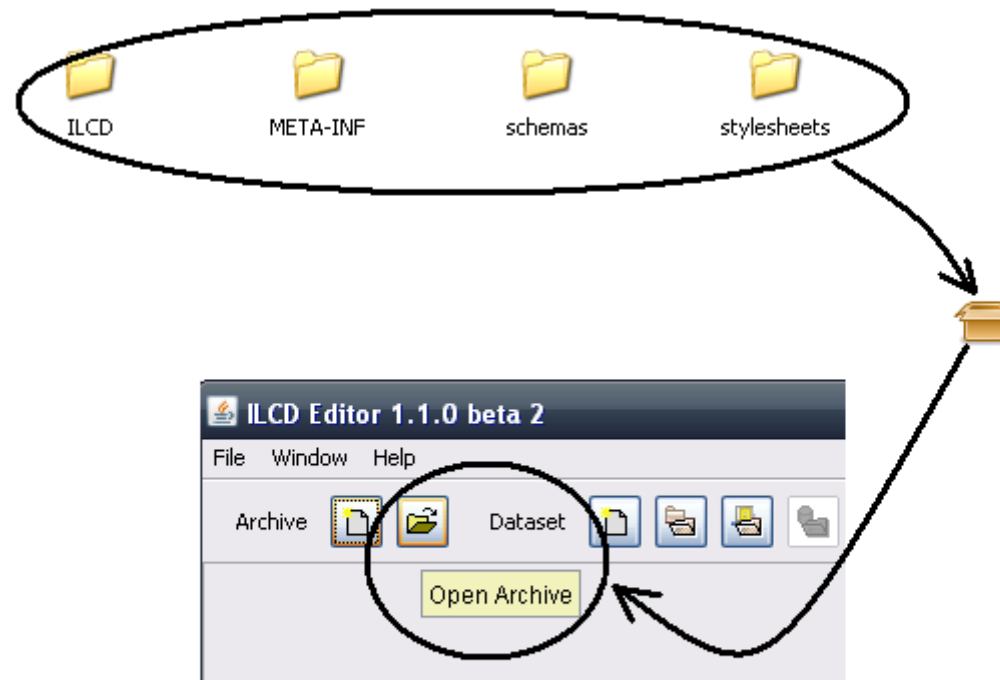
You can open and edit created data sets  
with the function 'Open Dataset from  
Disk'



You can edit a dataset and check the ILCD conformity...



You can also pack the created ILCD folders and use it as an ILCD archive



More information at [openlca.org](http://openlca.org)

