





# Instructions for data delivery to ÖKOBAUDAT via the EPD Editor

### Preface

The ÖKOBAUDAT database comprises life cycle assessment datasets on building materials, construction, transport, energy and disposal processes. The data is subject to strict quality requirements and can be used in many different building assessment systems. ÖKOBAUDAT usually sources its data from EPD programme operators. To ensure high data quality and consistency, all data providers must take into account the "Principles for acceptance of LCA data in ÖKOBAUDAT". Therefore, a programme operator must apply for acceptance of data and submit all necessary documents before being released for the delivery of data to the ÖKOBAUDAT. Once the programme operator and the datasets to be delivered have been accepted, the data can be delivered to ÖKOBAUDAT.

For further information see https://www.oekobaudat.de/en/guidance/data-providers.html

The EPD Editor is an open source option for exchanging data with the ÖKOBAUDAT backend via the standardised ÖKOBAUDAT interface. The editor enables easy generation of – also multilingual – datasets. Optionally, data can be delivered to ÖKOBAUDAT directly via the online interface.

The EPD Editor is available online at <a href="https://github.com/GreenDelta/epd-editor/releases">https://github.com/GreenDelta/epd-editor/releases</a>

Note: The EPD Editor replaces the previously available plugin for openLCA which will no longer be updated.

The EPD Editor was developed with the support of the innovation programme "Future Building" (Zukunft Bau), a research programme of the Federal Ministry of the Interior, Building and Community (BMI).



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### 1. Installation

The EPD Editor is distributed as a ZIP package: <u>https://github.com/GreenDelta/epd-editor/releases.</u> The package is saved locally in a directory with write access and unpacked. The editor is started with the file "epd-editor.exe":

configuration	
data	
📙 jre	
plugins	
.eclipseproduct	
epd-editor.exe	
epd-editor.ini	

The data generated with the editor are managed centrally in the user folder, regardless of where the EPD Editor is saved.

### 2. User interface

The user interface of the EPD Editor consists of a main menu with a toolbar, a navigation and an editor area:

EPD - Editor 3.1.0 File Extras Help	Main menu and	toolbar Editor			
	*FASBA e.V. Baustrol	1 100 kg/m <sup>3</sup> ⊠			
□ EPDs EPD: FASBA e.V. Baustroh 100 kg/m <sup>3</sup>					
✓ □ 2.23 Stroh	- General informat	on			
<ul> <li>          2.23.01 Strohba FASBA e.V. B     </li> </ul>	UUID	d2d1b29f-8dd7-4373-ab2a-de57acd51e72			
> 🗆 3 Holz	Name	FASBA e.V. Baustroh 100 kg/m <sup>3</sup>			
New EPD     Contacts	Further properties	100 kg/m <sup>3</sup>			
🗅 Sources	Synonyms	Straw bales, straw insulation, straw			
<ul> <li>Flows</li> <li>Flow properties</li> </ul>	Comment This data set was commissioned by the Fachverband Strohballenbau Deutschland e. V.				
<ul> <li>□ Unit groups</li> <li>□ LCIA Methods</li> </ul>	File	(FASBA) and developed in the course of an EPD. The straw bales are manufactured by	*		
<ul> <li>Locations</li> <li>Classifications</li> </ul>	- Classification		+ ×		
<ul> <li>Documents</li> <li>EPD profiles</li> <li>Server connections</li> </ul>	Classification syste OEKOBAU.DAT	m Category path 2 Dämmstoffe / 2.23 Stroh / 2.23.01 Strohballen			
Navigation	<		>		
< >>	Dataset information N	odelling and validation Administrative information Environmental indicators	r pages		

### 2.1 Toolbar

The functions

- Search
- Save

Data delivery to ÖKOBAUDAT via the EPD Editor

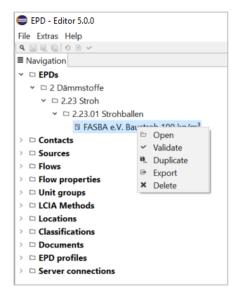
- Save As
- Save All
- Reload
- Upload data set
- Validate data set

are available via the toolbar:



### 2.2 Navigation

The datasets are displayed in their respective categories in the navigation. By right-clicking, various actions can be carried out via the navigation context menu, depending on the selected element:



Datasets can also be opened with a double left click.

#### 2.3 Editor area

Datasets are edited in the editor area.

An editor can have several pages, between which you can switch using the tabs at the bottom of the editor:

Dataset information Modelling and validation Administrative information Environmental indicators

An editor page is again divided into logical areas, such as the general information of a dataset in the upper area of the "Dataset information" tab:

™ *FASBA e.V. Baustroh 100 kg/m³ ⊠							
EPD: FASBA e.V. Baustroh 100 kg/m³							
✓ General information							
UUID	d2d1b29f-8dd7-4373-ab2a-de57acd51e72						
Name	FASBA e.V. Baustroh 100 kg/m <sup>3</sup>						
Further properties	100 kg/m <sup>3</sup>						
Synonyms	Straw bales, straw insulation, straw						
Comment	This data set was commissioned by the Fachverband Strohballenbau Deutschland e. V. (FASBA) and developed in the course of an EPD. The straw bales are manufactured by Baustroh GmbH	< >					
File	s\gundi\.epd-editor\ILCD\processes\d2d1b29f-8dd7-4373-ab2a-de57acd51e72.xml						

The information in the data fields on the EPD Editor page must be entered as text, as a selection from a specified list, as tables or links.

Another important component is the references to other datasets in the EPD Editor, which can be set by clicking the button; for example, an EPD dataset must refer to a product flow dataset:

None ×
Select data set

#### 2.4 Edit tables

Tables have a context menu and a toolbar for editing the content:

r Data sources			+
Source <sup>co</sup> GaBi database (all versions)		7	
<sup>m</sup> GaBi database SP30 2016	<ul><li>+ Add</li><li>× Remove</li></ul>		

Depending on the content, particular fields, such as the quantities of the indicator results, can be edited directly in the tables:

Results				
Module	Scenario	Indicator	Value	Unit
A1-A3		Total use of renewable primary energy resources (PERT)	1650.0	MJ
A1-A3		Use of renewable primary energy resources used as raw materials (PE	1630.0	MJ
A1-A3		Use of net fresh water (FW)	829.0	m3

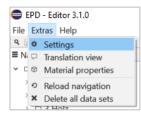
For some tables there are specific functions such as the synchronization, import and export function of the indicator results:



### 3. Settings

The settings can only be changed if the EPD Editor is saved in a directory with write access (see also Chapter 1 Installation).

The general settings can be adjusted via the menu item "Extras > Settings":



The window is divided into the three areas "Data sets", "Validation profiles" and "Application settings":

Settings 🛛	3					
Settings						
• Data se	ts					
Language	e			English		~
Default E	PD pro	ofile		EN 15804		~
Show XN	/L pag	es in e	ditors			
Show de	pender	ncies ir	editors			
Synchron	nize ref	erence	data on startup			
Check EP	Ds on	produ	ct updates	$\checkmark$		
Show cor	ntent d	leclara	tion editor			
Show Q I	Metada	ata edi	tor			
Q-Metad	lata qu	estion	5			Browse
• Validati	on pro	files				
Name	Ver	File				
EPD 1.1	1.0	EP				
* Applica	tion se	atting	(changes requ	ire restart)		
Language		English				
				~		
Memory	[MB]	1024				

Validation profiles see Chapter 6 Validation of datasets.

### 3.1 Application settings

The language of the EPD Editor and the allocated storage capacity can be set under "Application settings" in the lower area of the window:

<ul> <li>Application settings (changes require restart)</li> </ul>					
Language	English	~			
Memory [MB]	1024				

Changes of the desired language and storage capacity require a restart.

### 3.2 Data set settings

The language in which the text fields of a dataset are to be displayed and edited can be set here. The appropriate language is selected from the list. All data entered in data fields in the editor area are then assigned to the selected language.

Note:

- Opened datasets must be closed and reopened to be active in the newly selected language.
- The information in which language the data set is currently being processed can only be seen in the settings. In the editor area, this can only be recognised on the basis of the data already entered.

The EPD profile is currently set to "EN 15804" by default. The user can alternatively switch to EN 15804+A2.

ettings				
• Data sets				
Language	English	~		
Default EPD profile	EN 15804	~		
Show XML pages in editors	EN 15804 EN 15804+A2			
Show dependencies in editors				
Synchronize reference data on startup				
Check EPDs on product flow updates	$\checkmark$			
Show content declaration editor				
Show Q Metadata editor				
Q-Metadata questions		Browse		

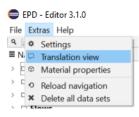
Furthermore, various display and update options can be set.

For EPD datasets for ÖKOBAUDAT, "Check EPDs on product flow updates" must be activated.

Information on ingredients can optionally be made by activating " Show content declaration editor". The Q metadata ("Show Q Metadata editor" and "Q-Metadata questions") are not shown in ÖKOBAUDAT.

### 3.3 Multilingual datasets

Via the menu item "Extras > Translation view" the values of a data field can be displayed in different languages, if the field supports this:



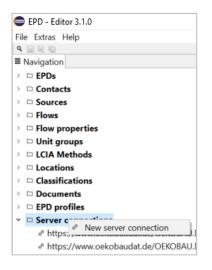
In this mode, another area "Translations" is displayed on the right-hand side. If you click in a data field in the editor area, the data are displayed in the translation area in all the languages in which they have been entered:

EPD - Editor 3.1.0							n x
-							
ile Extras Help							
	FASBA e.V. Baustroh	100 kg/m <sup>3</sup> ដ			l 🖓 Tra	anslations 🔤	
EPDs	EPD: FASBA e.V			^	Su	nonyms	
✓ □ 2 Dämmstoffe	EFD. FASDA e.v	. Daustroi	1100 kg/m		Jay	lionyms	
✓ □ 2.23 Stroh	<ul> <li>General informat</li> </ul>	ion			de:	Strohballen, Strohballendämmung,	1
<ul> <li></li></ul>						Strohdämmung	· · · · ·
FASBA e.V. Baustroh 100 kg/m <sup>3</sup>	UUID	d2d1b29f-8	dd7-4373-ab2a-de57acd51e72		en:	Straw bales, straw insulation, straw	/
New EPD	Name	FASBA e.V. E	laustroh 100 kg/m³				
New EPD							
Contacts	Further properties	100 kg/m <sup>3</sup>		_			
Sources	Synonyms	Straw bales,	straw insulation, straw				
Flows	Comment	White data and	and the star for the star of the star of the star burger of the star of the st				
Flow properties	Comment		was commissioned by the Fachverband Strohballenbau Deutschland e. V. developed in the course of an EPD. The straw bales are manufactured by	0			
Unit groups				~			
LCIA Methods	File	s\gundi\.	epd-editor\ILCD\processes\d2d1b29f-8dd7-4373-ab2a-de57acd51e72.xml				
Locations				+ ×			
Classifications	<ul> <li>Classification</li> </ul>			Ŧ ^			
Documents	Classification syste	m	Category path				
EPD profiles	OEKOBAU.DAT		2 Dämmstoffe / 2.23 Stroh / 2.23.01 Strohballen				
> D Server connections	SEROJAO.DAI		E building eleb brony elebior buondalen				

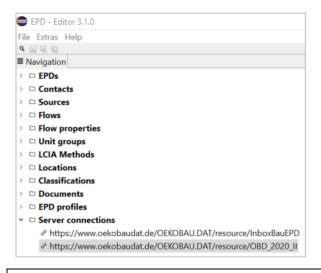
# 4. Server connection to ÖKOBAUDAT

### 4.1 Establish server connection to ÖKOBAUDAT

In technical terms, the ÖKOBAUDAT database is based on the software soda4LCA (<u>https://bitbucket.org/okusche/soda4lca</u>) and is equipped with a standardised interface (API) for data exchange. The EPD Editor supports internet-based data exchange via this interface. Such connections can be created or edited via the context menu of the "Server connections" folder:



A link to ÖKOBAUDAT is already stored under "Server connections":



Note: The current URL for ÖKOBAUDAT is: http**s**://www.oekobaudat.de/OEKOBAU.DAT/resource In version 3.0.1 of the EPD Editor, "**http**" must be corrected to "**https**".

Via the navigation, existing server connections can be opened for editing or deleted with a right click, just like with the other datasets:



A connection to a soda4LCA server consists of a URL to a service endpoint (e.g. https://www.oekobaudat.de/OEKOBAU.DAT/resource) and, if applicable, a user name and a password.

Server connection							
- Connectio	• Connection data						
URL	https://www.oekobaudat.de/OEKOBAU.DAT/resource						
User	User Steinmaurer						
Password	4fhg93k						

Note: No user account and password are required to connect to generally accessible ÖKOBAUDAT data.

### 4.2 Import of published ÖKOBAUDAT datasets via the server connection

Server connection Connection data URI https://www.oekobaudat.de/OEKOBAU.DAT/resource User Password Data stock OBD\_2020\_I | 8201b671-10cd-4dc5-9750-0b856d998be4 Download EPD profiles × - Data ~ Data stocks 5 Name UUID Description Name 15804\_A2\_4\_UI\_TEST cbdd4d1... InData\_2018 851a49c... OBD\_150820 2996a68... cc02f499... ÖBD Release Stand 26-10-OBD\_2017\_I 30b63be... ÖBD Release Stand 21-01-OBD\_2019\_I OBD\_2019\_II 815d897... ÖBD Release Stand 30-04-OBD\_2019\_III 0454ab2 OBD\_2020\_I 8201b67... OBD\_2020\_II 448d109... ~ DOBD 2021 1 400710-Cancel

After clicking on the link (default: "not set") a data stock can be selected:

If the data pool is set, data can be searched online using the search field:

Data stock	OBD_2020_I   8201b671-10cd-4dc5-97	50-0b856d998be4	
	Download EPD profiles		
Data			
Cemen	it	Search	
Name		UUID	Data set version
B Reinforce	ement (synthetic resin trowel); syntheti	55a89d7b-b585-404f-be34-b	20.19.120
🗉 Reinforce	ement steel wire; wire	e9ae96ee-ba8d-420d-9725-7c	20.19.120
🗉 Fibre cer	ment facade panel	e24f9f47-8580-45c2-b16d-45	20.19.120
E Lime-cer	ment plaster	dea7df16-f59b-4842-a66c-cb	20.19.120

Note: If "Search" is clicked without a search term, all datasets of the selected database are displayed.

Datasets can be selected from the table and downloaded with a right click.

3 cement	Search	
Name	UUID	Data set version
Reinforcement (synthetic resin trowel); syntheti	55a89d7b-b585-404f-be34-b	20.19.120
Reinforcement steel wire; wire	e9ae96ee-ba8d-420d-9725-7c	20.19.120
E Fibre cement facade panel	e24f9f47-8580-45c2-b16d-45	20.19.120
Lime-cemer Download	dea7df16-f59b-4842-a66c-cb	20.19.120
Lime cement mortar	50180064-236e-4e52-9a1e-f1	20.19.120

In the download dialog you can set whether the dependent datasets (for the selected datasets) should also be downloaded and whether local datasets should be overwritten with new datasets from the server, i.e. updated if applicable:

🖨 Download dat	a sets				$\times$
Download data	sets				
Server connection	https://www.oekobaudat.de/OEKOBAU.	DAT/resource/OBD_2	020_11		~
Data set Fibre cement f	acade panel	UUID e24f9f47-8580	Version 20.19.1		
		Finish		Cancel	

After downloading, all selected datasets including their flows can be found in the navigation tree.

By default, the search function is searching for EPD datasets. By clicking on the selection icon and selecting an option, the user can switch to contacts, sources, flows, flow properties or unit groups:

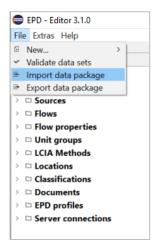
• Data		
		_
5	EPD	ŀ
NA	Contact	Г
5	Source	
0,0	Flow	Ē
50	Flow property	Ē,
1	Unit group	P
C) CIT	ie-cement plaster	_

### 4.3 Connection to your own "Inbox" datasets in ÖKOBAUDAT

The import and export of datasets from and into the ÖKOBAUDAT backend must be approved by the BBSR. By using a username and password and creating the server connection as described in section 4.2 above, you can use the "Inbox" to exchange your own datasets that have not yet been published. To do this, select your own "Inbox" under "Data stock".

### 4.4 Import or export data packages / data sets via the main menu

ÖKOBAUDAT data packages or individual datasets can be imported using the context menu of the "Server connections" folder as described in 4.2. Alternatively, a data package can be imported via the main menu item "File > Import data package" or exported via "File > Export data package":



A zip file can be saved with "Export data package". This reflects the status of the "data backup":

ften 💽 V	erknüpfung einfügen	nach 🔨 nach 👻 👻	Ordner		👻 🅜 Verlaut
Zwischenablage		Organisieren	Ne	iu -	Öffnen
	J-EPD-GmbH Allgemei	in 2 > 001-1 Deutschland > ÖKOBAUDA	T (BBSR) > 2017 Editor	2.0 > Exportdateien a	us alten Versionen
	^ Nar	ne	Änderungsdatum	Тур	Größe
:hnellzugriff		ILCD_package-20170906vormittags.zip	06.09.2017 10:56	ZIP-komprimierte	212.735 KB
Desktop	*	<u>-</u>			
Downloads	*	₽ ₽			
2.22.2.1-Mineralwolle		~			
20170531-Isospan results tables					
EPD Editor Leitfaden					
Outlook-Dateien					

A backup saved in this way can be imported into the EPD editor with "Import file".

Note: This menu can be used to import "ILCD packages": The EPD Editor saves data as XML files in ILCD format (<u>http://eplca.jrc.ec.europa.eu/LCDN/developer.xhtml</u>). An ILCD package is a ZIP file in which XML files are stored in a specific folder structure.

The data of the latest ÖKOBAUDAT release can be downloaded as a ZIP archive or CSV export: <u>https://www.oekobaudat.de/en/service/downloads.html</u>

### 5. Create and edit flows (products) and EPDs

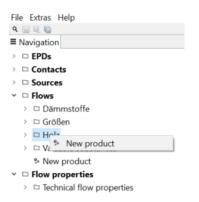
General note: Editor pages are saved using the toolbar.



#### 5.1 Create and edit flows (products)

Note: For EPDs (environmental <u>product</u> declarations), "flow" is synonymous with "product". In the EPD Editor, "flows" are therefore usually referred to as "products".

New products can be created by right-clicking on the context menu "Flows" or, if available, on the corresponding category subfolder:



#### The flow editor field opens on the right:

File Extras Help			
९ 🔛 🖳 🐚 • 0 🗹 ✓			
■ Navigation □	% New product ≅		• •
> 🗅 EPDs	Flow: New pro	roduct	
Contacts			
Sources	- General inform	mation	
✓ □ Flows			_
Dämmstoffe	UUID	6d41dd02-2171-4e24-9fd4-badf2f1b9022	
> 🗆 Größen	Name	New product	
> 🗅 Holz			=
> D Valuable substances	Synonyms		
% New product	Description		
<ul> <li>Flow properties</li> </ul>	Construction		
> D Technical flow properties	Generic product	I Vone X	
D Unit groups	File	C:\Users\gundi\.epd-editor\ILCD\flows\6d41dd02-2171-4e24-9fd4-badf2f1b9022.xn	nl
LCIA Methods			
D Locations	<ul> <li>Classification</li> </ul>	4	+ ×
Classifications			
ILCDClassification.xml	Classification sy		
OEKOBAU.DAT.xml		Holz	
> Documents			

The UUID is generated automatically, name, synonyms and description can be chosen freely. Under "Generic product" you can optionally choose a generic dataset from "ÖKOBAUDAT" which corresponds to the product type of your own product. This data is not currently in use. Note: This function is already set up for future use in the EPD Editor, but implementation in ÖKOBAUDAT is still being worked on.

For the selection of categories under the "Classification" menu item, see 5.4 Update categories.

In the lower part of the flow editor field, vendor information, flow and material properties as well as "Administrative information" is entered:

File Extras Help					
q □ □ □ □ ↓					
■ Navigation	New product <sup>™</sup>				° 0
> 🗅 EPDs	<ul> <li>Vendor information</li> </ul>				^
> 🗅 Contacts	_				
> 🗅 Sources	Is vendor specific				
✓ □ Flows	Vendor A No	ne ×			
> 🗅 Dämmstoffe					
> 🗅 Größen	Documentation no	ne ×			
> 🗆 Holz					
> D Valuable substances	<ul> <li>Flow properties</li> </ul>				+ ×
% New product	Flow property		Conversion factor	Unit	
Flow properties	Flow property		Conversion factor	Onic	
> D Technical flow properties					
> D Unit groups					
LCIA Methods					
Locations					
Classifications	<ul> <li>Material properties</li> </ul>				+ ×
ILCDClassification.xml	* Material properties				1.4
OEKOBAU.DAT.xml	Property	Va	alue	Unit	
Documents					
EPD profiles					
> D Server connections					
	<ul> <li>Administrative information</li> </ul>	tion			
	Last update 2021-0	7-12T08:55:18	+0200		
	UUID 6d41dd	102-2171-4e24	4-9fd4-badf2f1b9022		
	Data set version 00.00.00	0 🐨 🐨			~

The administrative information is generated automatically.

In the case of vendor specific datasets, a link must be given to the vendor's contact dataset, and a source dataset (e.g. an EPD document) must be stored under "Documentation" (see 5.5 Create contacts, sources, etc.).

Under "Flow properties", a link is made to the appropriate physical reference quantity for the product flow (for adding new flow properties, see 5.5. Create contacts, sources, etc.):

Vendor information  Is vendor specific  Vendor  Documentation  None  None None	● × Flow property Filter	
Flow properties     Flow property		+) ×
<ul> <li>Material properties</li> </ul>	© Area © Fläche © Mass © Volume	+ ×
Property Valu	OK Cancel	

Material properties	•	×
Property	Select a material property	
roperty	bulk density (kg/m^3)	~
	bulk density (kg/m^3)	
	grammage (kg/m^2) gross density (kg/m^3) layer thickness (m)	
Administrative informatio	n linear density (kg/m) productiveness (m^2)	

Under "Material properties" you can choose from a specified list of properties:

The designation and unit of the material properties are fixed. The value can be overwritten by clicking in the field:

Material properties			+ >
Property	Value	Unit	
bulk density	1.0	kg/m^3	

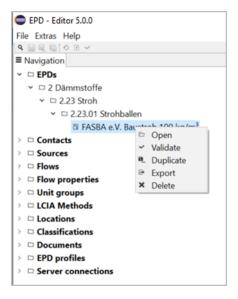
Note: The value of the material properties is entered according to the English writing convention (point instead of comma as decimal separator).

Note: Instructions on the required material information when transferring EPD / life cycle assessment data to ÖKOBAUDAT can be found here: <u>https://www.oekobaudat.de/en/service/downloads.html</u> > Technical instructions

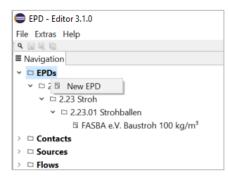
Note: When updating EPDs, existing product flows can be used. If essential properties of the product have changed (e.g. bulk density), a new product must be created.

#### 5.2 Open, create or edit EPDs

Existing EPDs can be opened via the navigation tree:



New EPDs can be created by right-clicking on the EPDs folder or, if available, on the corresponding category subfolder:



Note: When generating a new (EPD) documentation, no sources / documentation with umlauts, spaces or special characters in the name are allowed.

Changes to the entries for EPDs and flows can be made in the corresponding fields described in Sections 5.1 and 5.3.

It should be noted that the UUID of the EPDs and flows remain the same, provided that their period of validity does not change. The version numbers increase automatically.

In any case, the data records should be validated as described in Chapter 6.

### 5.3 Edit EPDs

The EPDs are opened by double-clicking or via the context menu of the navigator. The EPD area consists of several folders. The basic structure of the editor area and the basic functions are described under 2.3.

Like the ÖKOBAUDAT, the EPD Editor is based on the ILCD+EPD data format. Detailed information on the ILCD+EPD data format can be found at <u>https://www.oekobaudat.de/en/service/downloads.html</u> (Downloads menu, keyword "ILCD+EPD Data format").

ASBA e.V. Baustroh	_	2				
PD: FASBA e.V	. Baustroh 100	kg/m°				
General informat	ion					
UUID	d2d1b29f-8dd7-43	2d1b29f-8dd7-4373-ab2a-de57acd51e72				
Name	FASBA e.V. Baustroh 100 kg/m <sup>3</sup>					
Further properties 100 kg/m <sup>3</sup>						
Synonyms	Straw bales, straw insulation, straw					
Comment	This data set was commissioned by the Fachverband Strohballenbau Deutschland e. V. (FASBA) and developed in the course of an EPD. The straw bales are manufactured by Baustroh GmbH in Verden, mainly from wheat and					
File	s\gundi\.epd-ed	itor\ILCD\processes\d2d1b29f-8dd7-4373-ab2a-de57acd51e72.xml				
Classification		•	+ ×			
Classification system	em	Category path				
OEKOBAU.DAT		2 Dämmstoffe / 2.23 Stroh / 2.23.01 Strohballen				

The UUID is automatically generated when a new dataset is created. The remaining fields are to be filled in tab by tab according to the definitions of the ILCD+EPD data format. The definitions are displayed via a "tool tip" function. Some additional guidance for specific data fields is provided below.

#### Tab "Dataset information"

- Further properties: Characterising product properties such as the surface weight of a product can be entered in the text field.
- "Name" and "Technical purpose of product or process": For "InData" conformity, these data fields are also required in English.
- Synonyms: can be chosen freely
- Declared product: Here, the corresponding product flow is linked (see 5.1 Create and edit flows (products) and EPDs). The quantity and unit must also be specified.
- External documentation sources: see section 5.5 Create contacts, sources, etc.
- Uncertainty margins: only relevant for generic datasets
- Flow diagrams or pictures: see section 5.5 Create contacts, sources, etc.

#### Tab "Modelling and validation"

- LCA method details, Data sources, Compliance declarations: see section 5.5 Create contacts, sources, etc.
- Reviews: The input field "Review 1" appears by clicking on "+":

- Reviews		+
- Review 1		×
Review type		~
Review details	Dependent internal review Independent internal review	
Complete review report	Independent external review Accredited third party review Independent review panel	
- Reviewer	Not reviewed	
Contact		

Review type: For ÖKOBAUDAT, only datasets with the value "Independent external review" are approved.

Review details: Free text entry possible

Complete review report: can be uploaded optionally; see section 5.5 Create contacts, sources, etc.

Reviewer: see section 5.5 Create contacts, sources, etc.

#### Tab "Administrative information"

- Last update and Data set version: is generated automatically
- "Documentor" and "Owner": see section 5.5 Create contacts, sources, etc.
- "Data formats": For ÖKOBAUDAT-compliant data sets, "ILCD format" and "EPD Data Format Extensions" must be stated.

Tab "Environmental indicators"

• EPD profile: "EN 15804" is preselected. It may be changed to "EN 15804+A2" if appropriate.

- Scenarios and Modules: New scenarios or modules are created using the right mouse button "Add" or the left mouse button "+". All table fields can be filled in.
- Scenarios: The scenarios should be given a short, concise name (e.g. "recycling"). A "default" scenario can be determined. Optionally, several scenarios can be combined into a "group".
- Modules: The module designations must correspond to the specified format (only module number without designation):

Module	
A1	
A1-A3	
A2	
A3	

If several scenarios have been created, the corresponding modules must be created for each scenario, e.g. Module D + scenario "recycling" and module D + scenario "energy recovery".

• Results: The results are best entered via Excel.

#### Import and export result data with Excel

 An Excel file with all modules, associated scenarios and indicators can be created via Export. The values from the life cycle assessment can be entered in this table or the table can be used for comparison with the life cycle assessment table. The finished table of values is read in via import.

	Export
✓ Results	Synchronise with modules

Notes:

In the exported excel table, the indicators are arranged in alphabetical order and not as in EN 15804. The import excel file can, however, have a different order. Otherwise nothing may be changed in the "Results" worksheet, but there can be links to other worksheets. Only the first sheet of an import Excel file is imported, even if the file contains several worksheets.

- If modules are to be deleted, the results must first be imported and then a new synchronization must only be carried out with the desired modules via "Import modules".
- Import of several scenarios: These must be assigned by numbers in the import table (1, 2, n). After a successful import, names and descriptions of the scenarios can be entered.

### 5.4 Update categories

ÖKOBAUDAT contains predefined product categories, to which the EPD datasets must be assigned. After a connection to ÖKOBAUDAT has been established under "Server connections" (see 4.1), the ÖKOBAUDAT categories should be updated in the context menu "Classifications" in the EPD Editor:

)	Locations		
ľ	Classif Update >	ŧ	https://www.oekobaudat.de/OEKOBAU.DAT/resource/InboxBauEPD
	🗅 ILC 📼 Import file	¥	https://www.oekobaudat.de/OEKOBAU.DAT/resource/OBD_2020_II
	OEKOBAU.DAT.xml		
)	Documents		

When creating or editing a product or EPD dataset, the classification system and the appropriate category can then be selected. To do this, a control panel is opened in the "Classification" table with the "+ button" or right-click "Add" and the "ÖKOBAUDAT" classification system is set in it. The corresponding category can be selected in the category list that then appears.

General informat	ion		
UUID	d2d1b29f-8dd7-43	373-ab2a	-de57acd51e72
Name	FASBA e.V. Baustro	h 100 kg/	/m³
Further properties	100 kg/m <sup>3</sup>		
Synonyms	Straw bales, straw i	nsulation	Select a category X
Comment	This data set was co in the course of an		Classification system OEKORALL DAT
File	🗅s\gundi\.epd-ed	ditor\ILC	
Classification			> Dämmstoffe
Classification syste	em	Catego	<ul> <li>&gt; Deschichtungen</li> <li>&gt; Deschichtigen</li> <li>&gt; Wunststoffe</li> </ul>

Note:

For import into ÖKOBAUDAT, only the "ÖKOBAUDAT" classification system is permitted. Missing product categories can only be added by the BBSR.

#### 5.5 Create contacts, sources, etc.

Contacts, data sources, etc. are created in the context menu by right-clicking on the corresponding folder or existing subfolders. The respective editor field opens on the right side. The UUID is always generated automatically as soon as a new dataset is created. The remaining data are entered as text, as a selection from a given list, as tables or links.

In the classification tables, clicking on the "+" symbol opens a classification system with different selection options:

	ew contact		
General inf	formation		
UUID	d2740a53-a85b-48	b7-935f-8b106eba17c7	
Short name			Select a category X
Name	New contact		Classification system ILCD
Address			
Telephone			Group of organisations, project     Organisations
Telefax			Working groups within organisation
Website			□ Persons
Logo	m None ×		C Other
File	rs\gundi\.epd-e	ditor\ILCD\contacts\d2740a53-a	85
Classificati	on		OK Cancel
Classificatio	on system	Category path	

### 6. Validation of datasets

#### 6.1 Upload current validation profile

The current ÖKOBAUDAT validation profile (EPD profile) can be downloaded from the following link (keyword "Validation"):

https://www.oekobaudat.de/en/service/downloads.html

In the EPD Editor, the current validation profile can be stored under the menu item "Extras > Settings" (see section 3):

Validation p	rofiles			~+× ^
Name		Version	File	
		Organisieren • Ne	uer Ordner	Name
		Downloads	*	~ Heute (1)
Application	settings (changes rec	Dokumente	*	EPD_1.1_profile_1.0.31.ja

BBSR

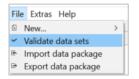
The profile is then set to active:

Validation profiles					~ +
Name	Version			File	
EPD 1.1	1.0.31	~	Set as active	profile	file_1.0.31.jar
		+	Add		
		×	Remove		

Subsequently created datasets can be validated.

#### 6.2 Validate datasets

The validation function can be activated via the menu item "File > Validate data sets":



The validation function is also available for individual datasets and can be called up via the context menu in the navigation or the toolbar of an editor:



For a single dataset, it can be decided whether only this dataset or its referenced datasets should be validated:

			$\times$
/alidate data set: FASBA e.V. Baustroh 100 k	g/m³		
✓ Include dependent data sets			
Include dependent data sets			
Data set	UUID	Data set version	^
	UUID d2d1b29f-8dd7	Data set version 00.00.032	^
Data set			^
Data set IS FASBA e.V. Baustroh 100 kg/m <sup>3</sup>	d2d1b29f-8dd7		^ >

Note: For EPD datasets for ÖKOBAUDAT, "Include dependent data sets" must be selected in any case.

The result of the validation is displayed in a table in which the respective datasets can be opened with a double click:

Validation 🖾			
/alidation			
Name	UUID	Data set versi	Status
% Use of non renewable primary energy (PENRE)	ac857178-2b45-46ec-892a-a9a4332f0372	30.00.000	▲ Custom Validity: File not found:/GaBiCategories.xml
$\Sigma$ Depletion potential of the stratospheric ozone lay	06dcd26f-025f-401a-a7c1-5e457eb54637	00.01.000	XML Schema Validity: 21,31 cvc-complex-type.2.4.b: Th
$\Sigma$ Depletion potential of the stratospheric ozone lay	06dcd26f-025f-401a-a7c1-5e457eb54637	00.01.000	XML Schema Validity: 22,34 cvc-complex-type.2.4.a: Inv
$\Sigma$ Depletion potential of the stratospheric ozone lay	06dcd26f-025f-401a-a7c1-5e457eb54637	00.01.000	XML Schema Validity: 23,24 cvc-complex-type.2.4.a: Inv
$\Sigma$ Depletion potential of the stratospheric ozone lay	06dcd26f-025f-401a-a7c1-5e457eb54637	00.01.000	▲ Custom Validity: File not found:/GaBiCategories.xml
% Non hazardous waste dispose (NHWD)	b29ef66b-e286-4afa-949f-62f1a7b4d7fa	30.00.000	▲ Custom Validity: File not found:/GaBiCategories.xml
% Components for re-use (CRU)	a2b32f97-3fc7-4af2-b209-525bc6426f33	30.00.000	A Custom Validity: File not found:/GaBiCategories.xml
% Materials for recycling (MFR)	d7fe48a5-4103-49c8-9aae-b0b5dfdbd6ae	30.00.000	A Custom Validity: File not found:/GaBiCategories.xml

# 7. Upload datasets to the ÖKOBAUDAT backend

Validated datasets can be uploaded to a data server via the toolbar menu:

File Extras Help R 🗑 👰 🖏 j 🛛 🖸 🛩	
■ Navigation	□ FASBA e.V. Baustroh 100 kg/m³ 🛙
<ul> <li>✓ □ EPDs</li> <li>✓ □ 2 Dämmstoffe</li> </ul>	EPD: FASBA e.V. Baustroh 100 kg/m <sup>3</sup>
<ul> <li>□ 2.23 Stroh</li> <li>□ 2.23.01 Strohballen</li> </ul>	✓ General information
E FASBA e.V. Baustroh 100 kg/m <sup>3</sup>	UUID d2d1b29f-8dd7-4373-ab2a-d

In the upload dialog, the user can decide whether referenced datasets should also be synchronized with the server ("Synchronize dependent data sets"), i.e. they are loaded onto the server if they do not yet exist in the given version:

erver connection https://www.oekobaudat.de/		OBAU.DAT/resource/InboxB	auEPD	
Synchronize	e dependent data s	ets		
Data set		UUID	Data set version	1
FASBA e.V. Baustroh 100 kg/m	n³	d2d1b29f-8dd7	00.00.032	
% Use of renewable primary energy	rgy (PERE)	20f32be5-0398		
% Use of renewable primary energy	rav (PERE)	20f32be5-0398		

After uploading to the ÖKOBAUDAT backend, an upload confirmation appears. The BBSR will then check at <u>http://oekobaudat.de/OEKOBAU.DAT/login.xhtml</u> in the ÖKOBAUDAT inbox whether the datasets have been transferred correctly.