ORGANICDATA NETWORK

European Data Network for Improved Transparency of Organic Markets

Building an Organic Market Database
OrganicDataNetwork Training

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About this training

- The OrganicDataNetwork manual shows how a a database and the necessary tools for data processing of organic market data can be built.
- The target group are collectors of organic market data.
- The manual is a product of the OrganicDataNetwork project, which aims to improve European organic market data.
- Further details are available in the manual in the OrganicDataNetwork website at www.organicdatanetwork.net.

Contents

- Database structure
- Look-up tables
- Classifications for crop and product data
- Extracting the data
- Questionnaire for data collection
- Quality checks

Introduction

- Example of the database of the OrganicDataNetwork; there may be other ways of storing and processing the data.
- For easy data exchange among the partners of the OrganicDataNetwork and future partners in the area of market data collection, we recommend that similar databases are built so that data can easily be exchanged or merged in a European organic market database.

Basic considerations

- If data collection is started it is important that you have the data in a database.
- We recommend that you use one database for all data, even if you collect data for different data types.
- This will make the comparison of data, e.g. for quality checks, a lot easier.
- As a first step, a simple MS Excel sheet might be sufficient.
- In the long-run it is clear that a proper database, for instance based on MS Access, is needed.

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Database structure

Structure

- When you start your database or data sheet, please make sure all information is **organised in columns**.
  - ID of dataset
  - Date dataset was inserted
  - Date a dataset was modified
  - Country or region: If you collect the data for a number of countries or if you have a regional breakdown of your data
  - Data source
  - Year
  - Crop/Product
  - Indicator (hectares, tonnes, sales value etc.)
  - Label (organic, total, other)
  - Value
  - Remark

Possible structure of main table

Modified	Id	Link to full source	Year	Country	CPA-Product0	CPA-Product1	CPA-Product2	CPA-Product3	CPA-Product5	Indicator	Label	Value
03.04.2013	770722	AMI f013	2012	Germany	Products of agriculture, forestry and fishing	Products of agriculture, hunting, related services	Non-perennial crops	Vegetables and melons, roots and tubers	Potatoes, no details	Sales [t]	organic	79'240.00
18.09.2013	654130	AMI f018	2012	Germany	Products of agriculture, forestry and fishing	Products of agriculture, hunting, related services	Non-perennial crops	Vegetables and melons, roots and tubers	Potatoes, no details	Area [ha]	organic	8'300.00
21.09.2013	600188	AMI f018	2012	Germany	Products of agriculture, forestry and fishing	Products of agriculture, hunting, related services	Non-perennial crops	Vegetables and melons, roots and tubers	Potatoes, no details	Sales [Mio €]	Total	977.10
20.09.2013	654920	AMI f018	2012	Germany	Products of agriculture, forestry and fishing	Products of agriculture, hunting, related services	Non-perennial crops	Vegetables and melons, roots and tubers	Potatoes, no details	Sales [Mio €]	organic	93.72
20.09.2013	655012	AMI f014	2012	Germany	Products of agriculture, forestry and fishing	Products of agriculture, hunting, related services	Non-perennial crops	Vegetables and melons, roots and tubers	Potatoes, no details	Sales [Mio €]: Share [%]	organic	9.59

Cross tables

- We strongly recommend that you do not build cross tables to store the data, as this will make data analysis, export and import very inflexible.
- Do not use columns for individual indicators (or years, or countries or regions).
- Cross tables are, however, very useful for data analysis, for instance via Pivot tables, or for data presentation.

Cross table: Example

	Area [ha]	Retail sales [Mio €]	Retail sales [mt]	Produc-tion [Mio €]
Germany	8'300.0	95.5	79'240.0	54.6
Potatoes, no details	8'300.0	93.7	79'240.0	54.6
Processed/preserved potatoes		1.8		

ID – Data set identifier

- Each data set needs an ID.
- Usually MS Access generates the ID automatically.
- In order to trace a certain dataset it is useful to have a unique identifier for each dataset.

Date inserted, date modified

- Date inserted : This is the date on which a dataset was inserted. Usually it is generated automatically in the database.
- Date modified: If you modify a dataset it is useful if you document the change.

Data source

- In the column data source, you can specify the data source.
- However, it is not enough to simply enter the name of the source.
- We recommend that you document the source with a lot more detail.
  - Name of data collector
  - Exact name/title of the publication/source
  - Internal link to original document and web address of the publication if available online.

Year

- This field is needed to enter the calendar year of the data.
- Most organic data collection systems use the calendar year (i.e. January to December) and not the business year.

Country

› If your data have a regional dimension, this column should be used to indicate the country, region etc.

Crop/product

- Use this column to enter the crop/product. If you do not only want to store the crop or product, but also information on the crop/product groups, you need to create several **columns** (see slide “Possible structure of main table»).
- E.g. in the case of **potatoes**, you would specify that a
  - potato is a **root crop**, that a
  - root crop is an **arable crop** (as opposed to permanent crops),
  - and that arable crops are part of **agricultural land** (as opposed to wild collection)
  - and that the **Eurostat code** for potatoes is C_031.

Indicator

- It is important that you have a clear idea of the indicators that you need for your data collection.
- For instance area, imports, exports, retail sales etc.
- You do not only need to specify the indicator as such, but also the unit (hectares or acres?, Euros or British Pounds?, metric tons or kilos?)

Label

- In this column you can specify if a figure relates to organic (label “organic”) or to overall agriculture (label “total”).
- This is important if you want to compare your organic data with your country’s overall totals.
- You can also use these columns for further labels like for instance Fairtrade.

Further possible columns

- Further possible columns could be for example
  - on marketing channels,
  - export and import destinations,
  - for the original crop name,
  - or the method used for the data collection.

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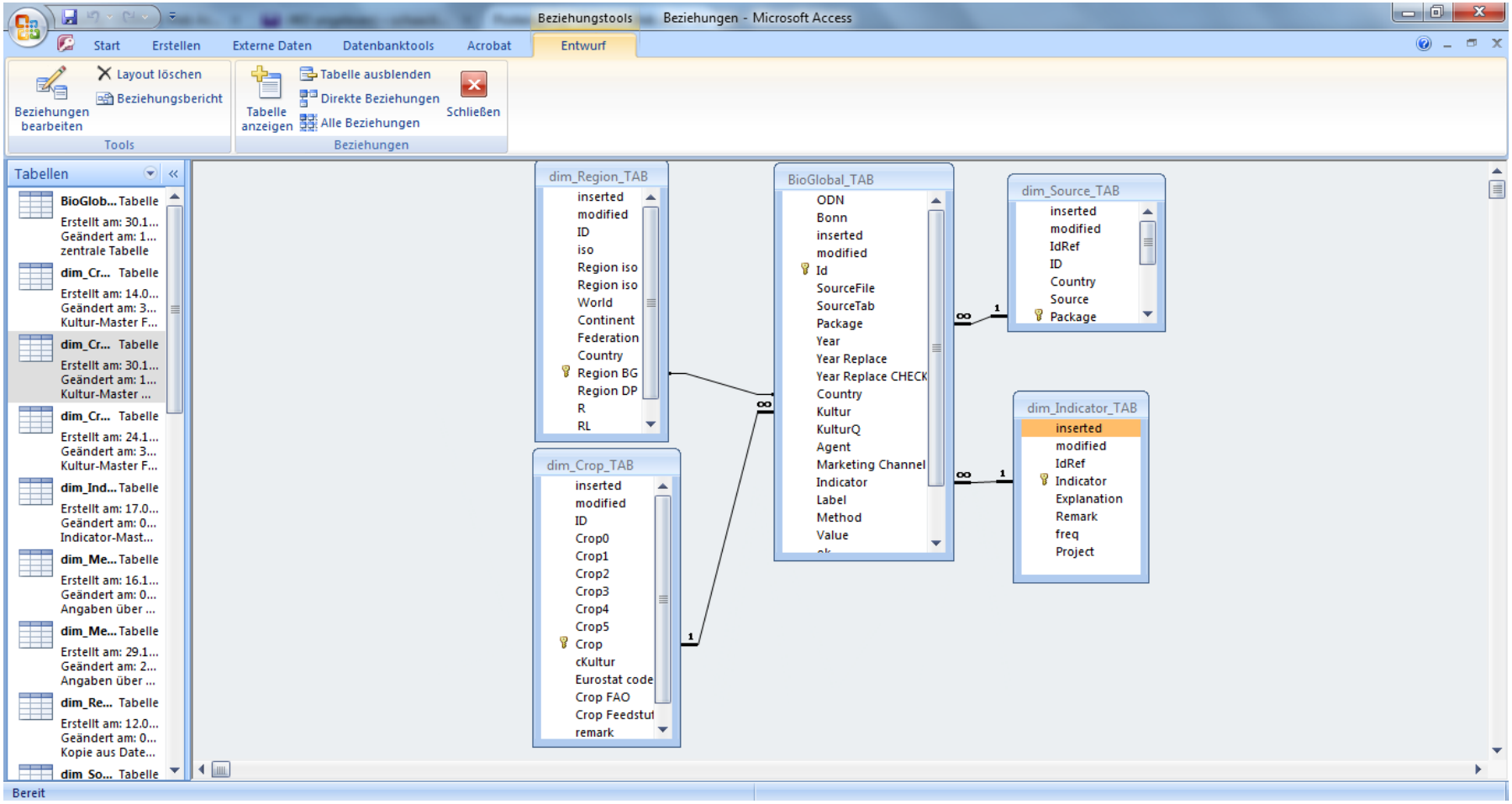
Look up tables

Look-up / dimension tables

- Depending on how you build you database you can either store all information in one sheet,
- or you can store only the key information in the main sheet then add supplementary information in look up tables that are linked to the main data table.
- Look-up tables serve several functions. They can:
  - Standardize repeated information;
  - Supply additional information;
  - Help to keep main table neat and compact;
  - Connect various data sets;
  - Put data into a hierarchic order;
  - Show data according to different classifications.


Beziehungstools
Beziehungen - Microsoft Access
Start
Erstellen
Externe Daten
Datenbanktools
Acrobat
Entwurf
Layout löschen
Beziehungsbericht
Beziehungen bearbeiten
Tools
Tabelle anzeigen
Tabelle ausblenden
Direkte Beziehungen
Alle Beziehungen
Schließen
Beziehungen
Tabellen
BioGlob... Tabelle
Erstellt am: 30.1...
Geändert am: 1...
zentrale Tabelle
dim_Cr... Tabelle
Erstellt am: 14.0...
Geändert am: 3...
Kultur-Master F...
dim_Cr... Tabelle
Erstellt am: 30.1...
Geändert am: 1...
Kultur-Master ...
dim_Cr... Tabelle
Erstellt am: 24.1...
Geändert am: 3...
Kultur-Master F...
dim_Ind... Tabelle
Erstellt am: 17.0...
Geändert am: 0...
Indicator-Mast...
dim_Me... Tabelle
Erstellt am: 16.1...
Geändert am: 0...
Angaben über ...
dim_Me... Tabelle
Erstellt am: 29.1...
Geändert am: 2...
Angaben über ...
dim_Re... Tabelle
Erstellt am: 12.0...
Geändert am: 0...
Kopie aus Date...
dim_So... Tabelle
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Continent
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Region BG
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Crop2
Crop3
Crop4
Crop5
Crop
cKultur
Eurostat code
Crop FAO
Crop Feedstu
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Package
Year
Year Replace
Year Replace CHECK
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Agent
Marketing Channel
Indicator
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Package
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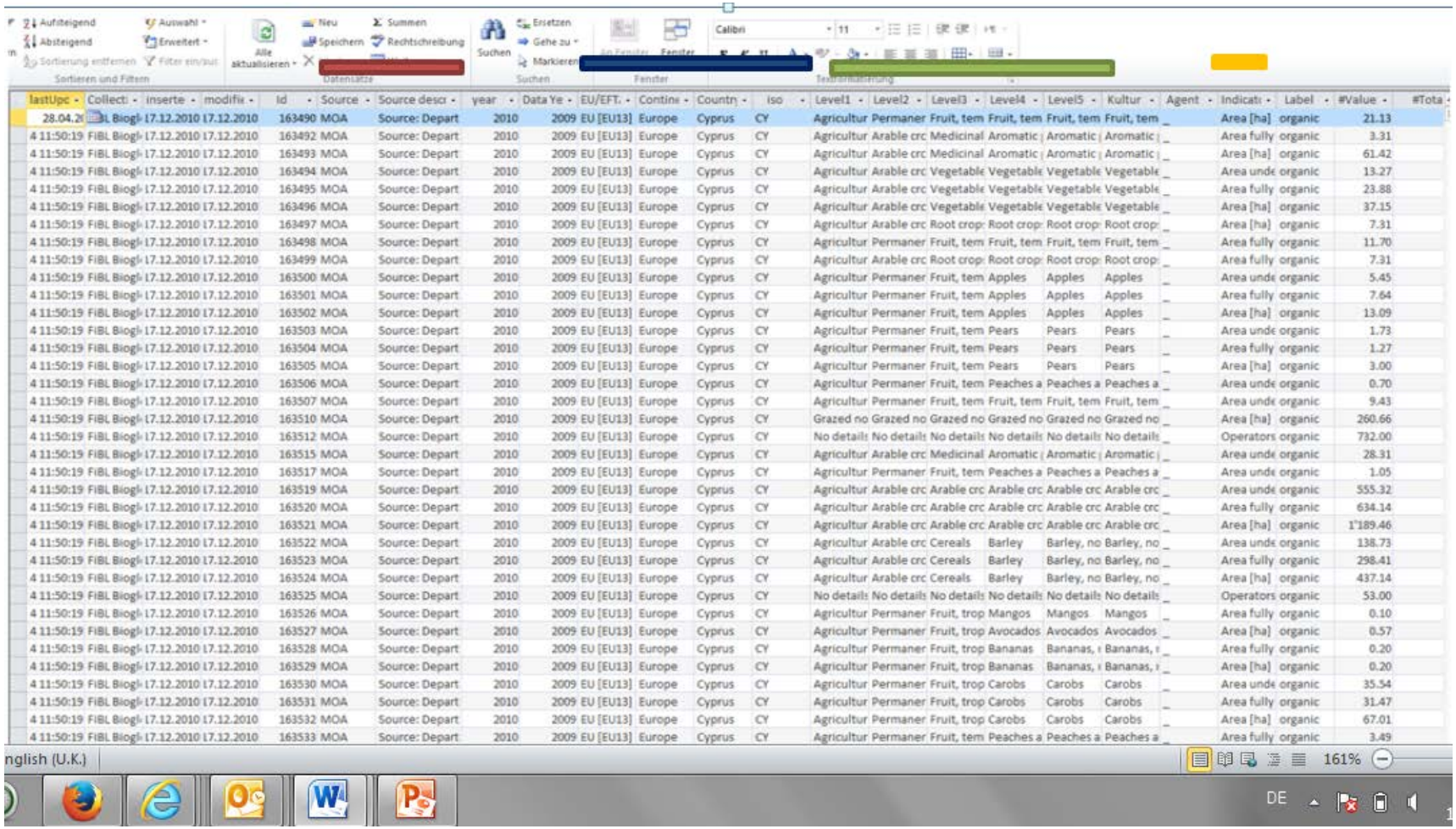
Look-up/dimension tables

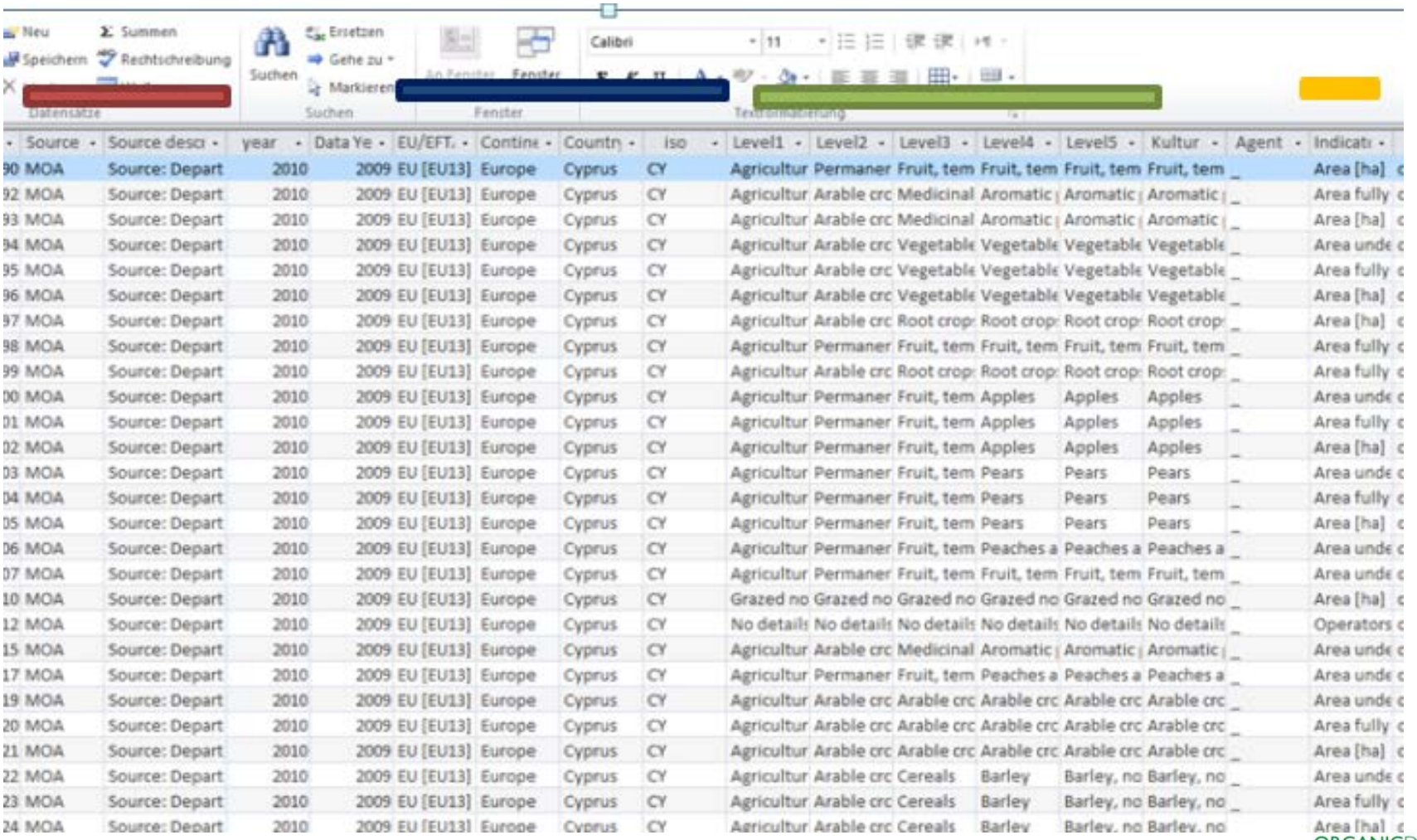
- In the example on the next page, we show a table that has all relevant information in one data sheet.
- The coloured bars show what information could be transferred into a look up/dimension table.
- If you transfer some of the information into look-up/dimension tables, in all cases you need a **unique key** to connect information with the data in the database.
  - **Red bar:** Additional source information could be potentially clustered (and expanded, e.g. with links to original documents) in a look-up table **“Source”**
  - **Blue bar:** Regional, additional information could potentially be stored in a look-up table **“Region”**
  - **Green bar**: Additional crop information could be potentially stored in a look-up table **“Crops”**
  - **Yellow bar:** Look-up table for **indicators** should be included in order to ensure consistent writing and to provide definitions.

Clustering information in columns



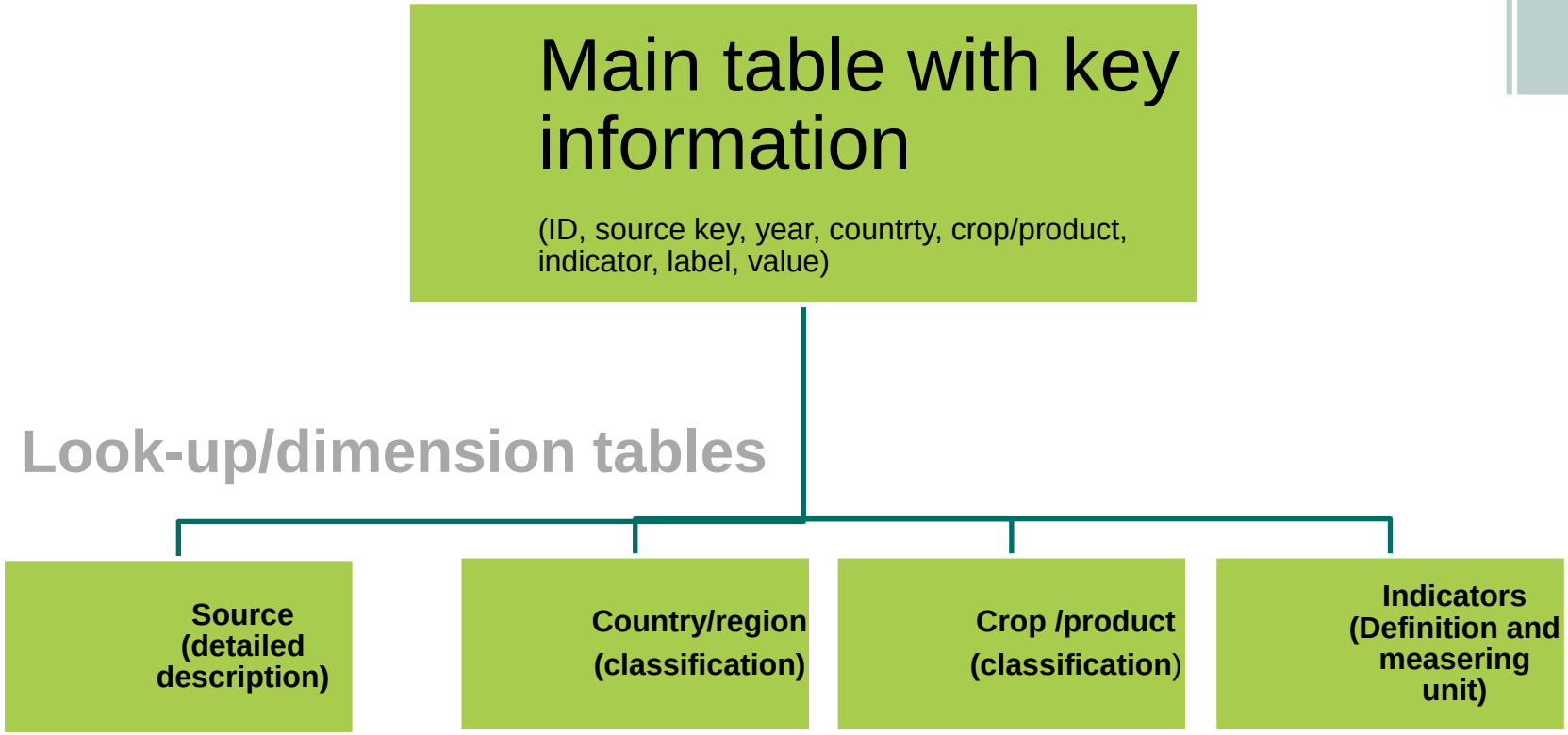
lastUpc	Collecti	inserte	modifie	Id	Source	Source descr	year	Data Ye	EU/EFT.	Contine	Country	iso	Level1	Level2	Level3	Level4	Level5	Kultur	Agent	Indicati	Label	#Value	#Tota
28.04.2(	L Biogi	17.12.2010	17.12.2010	163490	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Fruit, tem	Fruit, tem	Fruit, tem	_	Area [ha]	organic	21.13	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163492	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Medicinal	Aromatic	Aromatic	Aromatic	_	Area fully	organic	3.31	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163493	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Medicinal	Aromatic	Aromatic	Aromatic	_	Area [ha]	organic	61.42	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163494	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Vegetable	Vegetable	Vegetable	Vegetable	_	Area unde	organic	13.27	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163495	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Vegetable	Vegetable	Vegetable	Vegetable	_	Area fully	organic	23.88	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163496	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Vegetable	Vegetable	Vegetable	Vegetable	_	Area [ha]	organic	37.15	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163497	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Root crop:	Root crop:	Root crop:	Root crop:	_	Area [ha]	organic	7.31	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163498	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Fruit, tem	Fruit, tem	Fruit, tem	_	Area fully	organic	11.70	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163499	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Root crop:	Root crop:	Root crop:	Root crop:	_	Area fully	organic	7.31	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163500	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Apples	Apples	Apples	_	Area unde	organic	5.45	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163501	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Apples	Apples	Apples	_	Area fully	organic	7.64	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163502	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Apples	Apples	Apples	_	Area [ha]	organic	13.09	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163503	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Pears	Pears	Pears	_	Area unde	organic	1.73	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163504	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Pears	Pears	Pears	_	Area fully	organic	1.27	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163505	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Pears	Pears	Pears	_	Area [ha]	organic	3.00	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163506	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Peaches a	Peaches a	Peaches a	_	Area unde	organic	0.70	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163507	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Fruit, tem	Fruit, tem	Fruit, tem	_	Area unde	organic	9.43	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163510	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Grazed no	Grazed no	Grazed no	Grazed no	Grazed no	Grazed no	_	Area [ha]	organic	260.66	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163512	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	No details	No details	No details	No details	No details	No details	_	Operators	organic	732.00	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163515	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Medicinal	Aromatic	Aromatic	Aromatic	_	Area unde	organic	28.31	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163517	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Peaches a	Peaches a	Peaches a	_	Area unde	organic	1.05	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163519	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Arable crc	Arable crc	Arable crc	Arable crc	_	Area unde	organic	555.32	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163520	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Arable crc	Arable crc	Arable crc	Arable crc	_	Area fully	organic	634.14	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163521	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Arable crc	Arable crc	Arable crc	Arable crc	_	Area [ha]	organic	1'189.46	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163522	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Cereals	Barley	Barley, no	Barley, no	_	Area unde	organic	138.73	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163523	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Cereals	Barley	Barley, no	Barley, no	_	Area fully	organic	298.41	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163524	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Cereals	Barley	Barley, no	Barley, no	_	Area [ha]	organic	437.14	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163525	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	No details	No details	No details	No details	No details	No details	_	Operators	organic	53.00	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163526	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, trop	Mangos	Mangos	Mangos	_	Area fully	organic	0.10	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163527	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, trop	Avocados	Avocados	Avocados	_	Area [ha]	organic	0.57	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163528	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, trop	Bananas	Bananas,	Bananas,	_	Area fully	organic	0.20	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163529	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, trop	Bananas	Bananas,	Bananas,	_	Area [ha]	organic	0.20	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163530	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, trop	Carobs	Carobs	Carobs	_	Area unde	organic	35.54	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163531	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, trop	Carobs	Carobs	Carobs	_	Area fully	organic	31.47	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163532	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, trop	Carobs	Carobs	Carobs	_	Area [ha]	organic	67.01	
4 11:50:19	FiBL Biogi	17.12.2010	17.12.2010	163533	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Peaches a	Peaches a	Peaches a	_	Area fully	organic	3.49	

Clustering information in columns



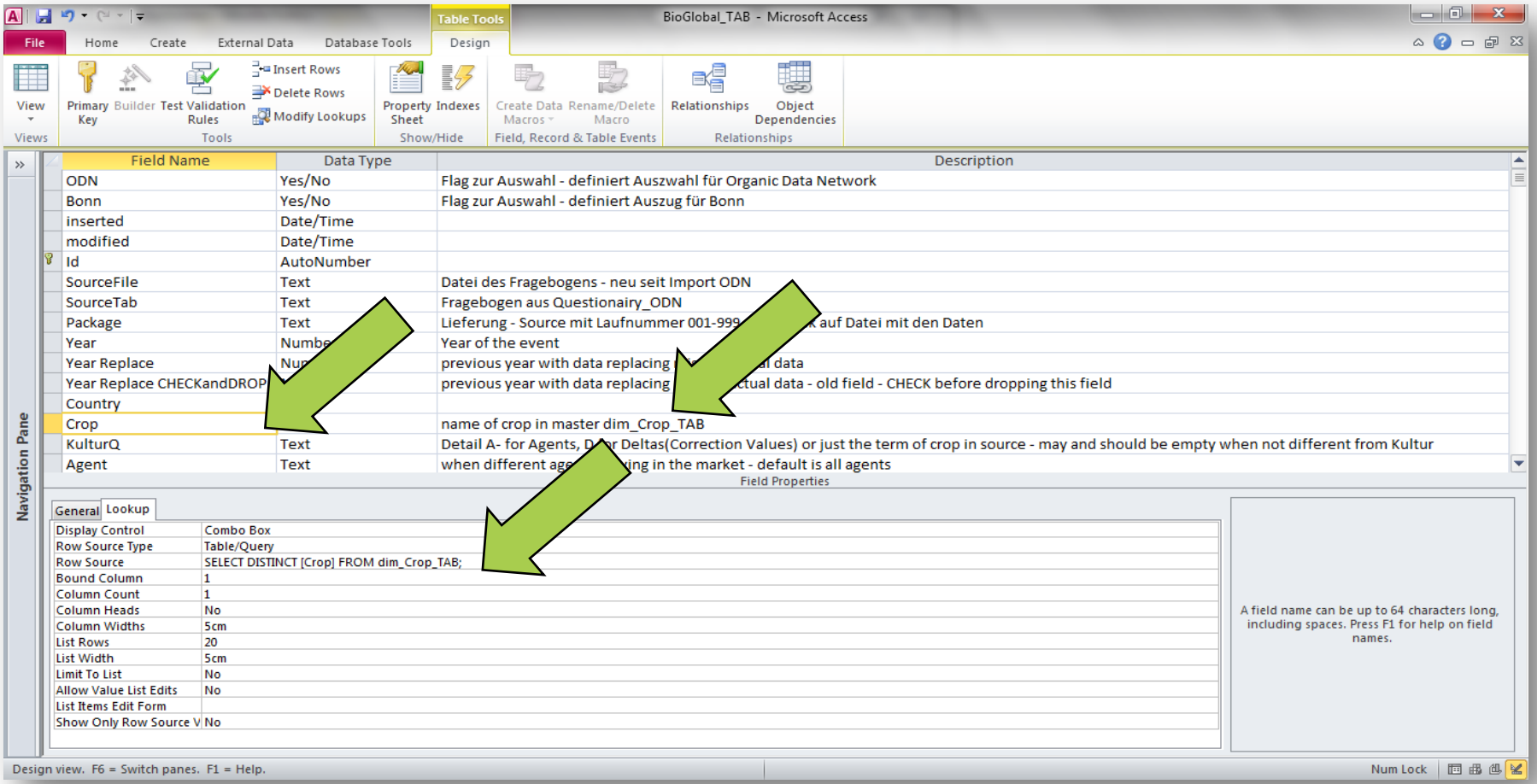
	Source	Source desci	year	Data Ye	EU/EFT.	Contine	Countr	iso	Level1	Level2	Level3	Level4	Level5	Kultur	Agent	Indicati
90	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Fruit, tem	Fruit, tem	Fruit, tem	_	Area [ha]
92	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Medicinal	Aromatic	Aromatic	Aromatic	_	Area fully
93	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Medicinal	Aromatic	Aromatic	Aromatic	_	Area [ha]
94	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Vegetable	Vegetable	Vegetable	Vegetable	_	Area unde
95	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Vegetable	Vegetable	Vegetable	Vegetable	_	Area fully
96	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Vegetable	Vegetable	Vegetable	Vegetable	_	Area [ha]
97	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Root crop	Root crop	Root crop	Root crop	_	Area [ha]
98	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Fruit, tem	Fruit, tem	Fruit, tem	_	Area fully
99	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Root crop	Root crop	Root crop	Root crop	_	Area fully
00	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Apples	Apples	Apples	_	Area unde
01	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Apples	Apples	Apples	_	Area fully
02	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Apples	Apples	Apples	_	Area [ha]
03	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Pears	Pears	Pears	_	Area unde
04	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Pears	Pears	Pears	_	Area fully
05	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Pears	Pears	Pears	_	Area [ha]
06	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Peaches a	Peaches a	Peaches a	_	Area unde
07	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Fruit, tem	Fruit, tem	Fruit, tem	_	Area unde
10	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Grazed no	Grazed no	Grazed no	Grazed no	Grazed no	Grazed no	_	Area [ha]
12	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	No details	No details	No details	No details	No details	No details	_	Operators
15	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Medicinal	Aromatic	Aromatic	Aromatic	_	Area unde
17	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Permaner	Fruit, tem	Peaches a	Peaches a	Peaches a	_	Area unde
19	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Arable crc	Arable crc	Arable crc	Arable crc	_	Area unde
20	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Arable crc	Arable crc	Arable crc	Arable crc	_	Area fully
21	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Arable crc	Arable crc	Arable crc	Arable crc	_	Area [ha]
22	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Cereals	Barley	Barley, no	Barley, no	_	Area unde
23	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Cereals	Barley	Barley, no	Barley, no	_	Area fully
24	MOA	Source: Depart	2010	2009	EU [EU13]	Europe	Cyprus	CY	Agricultur	Arable crc	Cereals	Barley	Barley, no	Barley, no	_	Area [ha]

Database structure



Connecting the look-up table with the main table in MS Access

Entwurfsansicht



Connecting look-up/dimension tables with the main table

- In the design view in MS Access, you can connect the main table with the look up table.

- Look-up table „Data source“
- Look-up table „Country or region“
- Look-up table “Crops/products”
- Look-up table “Indicator”

Look-up table datasource

ID	inserted	modified	Country	Package	Source	Author	Source description	Link	Public Link
2212	01.11.2010	01.11.2010	Austria	Arge Bioumsätze Österreich f001	ARGE Bioumsätze: Bio Austria, FiBL	Ralph Liebing	ARGE Bioumsätze: Bio Austria, FiBL Austria and Agricultura: Bio-Umsatz in Österreich wuchs 2009 um 5%.	..\Source\austria\austria-2009-market-arge-biolumsaetze-2010.htm	
2214	01.11.2010	01.11.2010	Europe	Eurostat f260	Eurostat		Eurostat 2010: Total population - [tps00001]: Eurostat, Luxemburg, http://epp.eurostat.ec.europa.eu/tgm/ta	..\Source\eurostat\eurostat-population-2000-2010.htm	
2215	01.11.2010	01.11.2010	Europe	FiBL f021	FiBL	Helga Willer	Calcualtion of the per Capita consumption by combining of turnover with organic products with the total		
2216	01.11.2010	01.11.2010	Czech Republic	Green Marketing f013	Green Marketing		Source: Green Marketing, Moravské Knínice, Czech Republic; Provided by Tom Vaclavik, Green Marketing, Moravské	..\Source\czechrepublic\czech-republic-2009-market-data-greenmarketing.txt	
2217	01.11.2010	01.11.2010	Montenegro	MARD f006	MARD	Radana Damjanović	Source/Data provided by: Radana Damjanović, Ministry of Agriculture and Rural Development (MARD). Podgorica,	..\Source\montenegro\montenegro-2009-landuse-ministry-agr-2010.xls	
2218	03.11.2010	03.11.2010	Sweden	SOS f001	SOS		Sveriges Officiella Statistik: Livsmedelsförsäljningsstatistik 2009. Livsmedelsförsäljningen inom	..\Source\sweden\sweden-2009-market-data-scb.pdf	
2219	05.11.2010	05.11.2010	Ireland	DAFF f003	DAFF	Eddie Mc Auliffe	Source: Department of Agriculture Fisheries and Food, Dublin, Ireland; Data provided by Eddie Mc Auliffe, Organic	..\Source\ireland\ireland-2009-landuse-producers-daff.xls	
2220	05.11.2010	05.11.2010	Finland	AC Nielsen Finland f001	AC Nielsen/Organic Food Finland	Sampsa Heinonen	Source: AC Nielsen; Data provided by Sampsa Heinonen, Organic Food Finland. Espo, Finland, www.organic-finland.com	..\Source\finland\finland-2009-market-data-organic-finland.txt	
2221	05.11.2010	05.11.2010	Norway	SLF f004	SLF	Elin Røsnes	Source: SLF, Olso, Norway; Data on the development of the domestic market for organic products provided by Elin Røsnes,	..\Source\norway\norway-2009-domesticmarketing-inclduing-non-food-slf.xlsx	
2222	05.11.2010	05.11.2010	Ukraine	OFU f008	OFU	Eugene Milovanov	Source: Organic Federation of Ukraine, Kiev, Ukraine; Data provided by Eugene Milovanov, Organic Federation of	..\Source\ukraine\ukraine-2009-landuse-operators-2009-ofu-ukraine.xls	
2223	05.11.2010	05.11.2010	Netherlands	LEI f001	LEI	Mariann Blom	Source: Bakker, J and Bunte, F. (2009) Biologische internationale handel. WUR, Wageningen. Provided by Marian Blom,	..\Source\netherlands\netherland-2007-internationaltrade-data-bakker-blom.htm	
2224	06.11.2010	06.11.2010	Haiti	Ecocert f016	FiBL-IFOAM survey	Vincent Morel	Ecocert, Lisle Jourdain, France, www.ecocert.com; Data provided by Vincent Morel, Area Manager, Ecocert,	..\Source\haiti\haiti-2009-landuse-ecocert-2010.xls	
2225	06.11.2010	06.11.2010	Guyana	Ecocert f015	FiBL-IFOAM survey	Vincent Morel	Ecocert, Lisle Jourdain, France, www.ecocert.com; Data provided by Vincent Morel, Area Manager, Ecocert,	..\Source\guyana\guyana-2009-landuse-ecocert-2010.xls	
2226	06.11.2010	06.11.2010	Macedonia	Probio f010	Probio	Gordana Pecelj	Source: Certifier data compiled by Probio, Skopje, Macedonia; data provided by Gordana Pecelj, PROBIO, Skopje,	X:\BioGlobal\Source\macedonia\macedonia-2009-landuse-producers-probio-2010.rtf	
2227	06.11.2010	06.11.2010	Belgium	LV f001	Departement Landbouw en Visserij, Belium		Samborski V. & Van Bellegem L. (2010) De biologische landbouw in 2009, Departement Landbouw en Visserij,	..\Source\belgium\belgium-2009-biologische-landbouw-jaarrapport-lv-2010.pdf	
2228	06.11.2010	06.11.2010	Europe	Eurostat f261	Eurostat		Eurostat (2010): Number of registered	..\Source\eurostat\eurostat-2009-operators-download-2010-11-06.xls	

Datensatz: 2220 von 3211 | Kein Filter | Suchen

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Look-up table datasource

Package	Source	Author	Source description	Link
Arge Bioumsätze Österreich f001	ARGE Bioumsätze: Bio Austria, FiBL	Ralph Liebing	ARGE Bioumsätze: Bio Austria, FiBL Austria and Agricultura: Bio-Umsatz in Österreich wuchs 2009 um 5%.	..\Source\austria\austria-2009-marke
Eurostat f260	Eurostat		Eurostat 2010: Total population - [tps00001]: Eurostat, Luxemburg, http://epp.eurostat.ec.europa.eu/tgm/ta	..\Source\eurostat\eurostat-populati
FiBL f021	FiBL	Helga Willer	Calcualtion of the per Capita consumption by combining of turnover with organic products with the total	
Green Marketing f013	Green Marketing		Source: Green Marketing, Moravské Knínice, Czech Republic; Provided by Tom Vaclavik, Green Marketing, Moravské	..\Source\czechrepublic\czech-repub greenmarketing.txt
MARD f006	MARD	Radana Damjanović	Source/Data provided by: Radana Damjanović, Ministry of Agriculture and Rural Development (MARD). Podgorica,	..\Source\montenegro\montenegro-2 2010.xls
SOS f001	SOS		Sveriges Officiella Statistik: Livsmedelsförsäljningsstatistik 2009. Livsmedelsförsäljningen inom	..\Source\sweden\sweden-2009-marl
DAFF f003	DAFF	Eddie Mc Auliffe	Source: Department of Agriculture Fisheries and Food, Dublin, Ireland; Data provided by Eddie Mc Auliffe, Organic	..\Source\ireland\ireland-2009-landu
AC Nielsen Finland f001	AC Nielsen/Organic Food Finland	Sampsa Heinonen	Source: AC Nielsen; Data provided by Sampsa Heinonen, Organic Food Finland. Espo, Finland, www.organic-finland.com	..\Source\finland\finland-2009-marke

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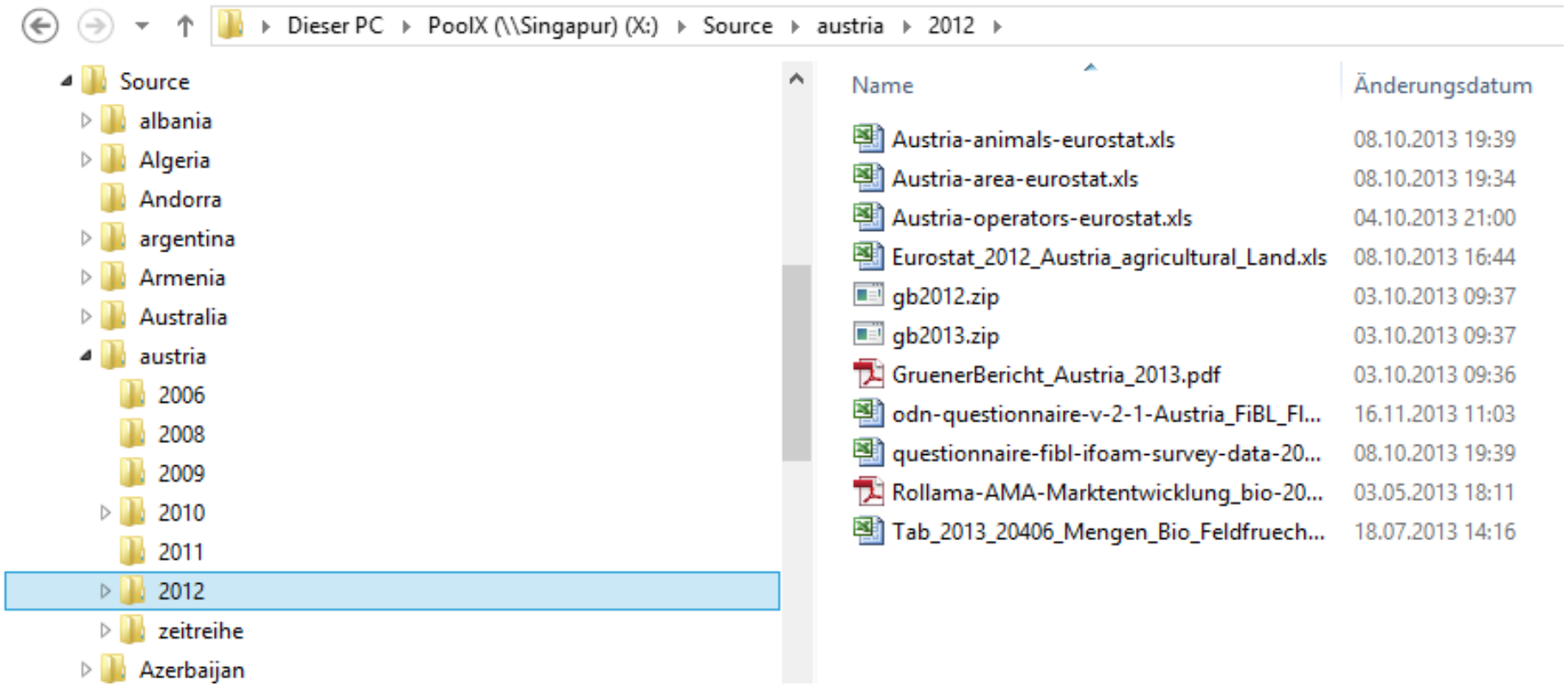
Look-up table data source

- The **identifier** for the exact data source number (e.g. AMI 001 for data that AMI provided for the organic area for the year 2010)
- The **author or contact person** if deemed relevant
- The **acronym** of the source (e.g. AMI instead of Agrarmarkt Informations-Gesellschaft)
- The **correct description** of the source, e.g.
  - AMI (2014): Data on organic agricultural land. AMI, Bonn, Germany. Data provided by Diana Schaack, AMI, Bonn, Germany, e-mail of May 2, 2014.

    For published sources: quote by general citation standards (also for web products).
  - Eurostat (2014) Certified organic crop area by crops products [food_in_porg1]. Last update 03.03.14; Extracted on 02.05.14. Source of data: Eurostat. The Eurostat website, Eurostat Luxembourg. Data available at http://epp.eurostat.ec.europa.eu/portal/page/portal/statistics/search_database
- **Internal link;** i.e. link to the full document of the data on your own server including the mail with which it was sent
- **Link to public version** of data.

Example of storage of data source files



Look-up table „country or region“

- In order to avoid spelling errors
- In order to allocate regions or countries to a special group
  - The main table would then only contain the information „Haut-Rhin“,
  - but the look-up table would specify that this is part of the region of Alsace,
  - that Alsace is part of France
  - and that France is part of the EU
  - and that the EU belongs to Europe.
- This way you will be able to extract the data not only at the Departement level, but also at the regional etc. level.

Indicators

- It is also important that you have fixed rule/spelling for your indicators. In the OrganicDataNetwork we use the indicators as shown in the following table.

Indicators used in the OrganicDataNetwork

- Animals, average stock [heads]
- Area [ha]
- Area fully converted [ha]
- Area under conversion [ha]
- Beehives [no]
- Export [Mio €]
- Export [Mio €], share [%]
- Export [t]
- Import [Mio €]
- Import [Mio €], share [%]
- Import [t]
- Import [t], share [%]
- Operators, exporters
- Operators, importers
- Operators, processors
- Operators, producers
- Production [Mio €]
- Production [t]
- Production [t]: Share [%]
- Sales [Mio €]
- Sales [Mio €]: Share [%] Sales [t]
- Sales [t]: Share [%]
- Sales [€/person]

Look-up table for crops and products

- Also crops/products should be listed in a look-up/dimension table.
- For this you will not only need to think of how to spell things and what terms to use (**nomenclature**) but also, more than for the other look-up tables, of how to group or **classify** them.
- This will allow you to extract or filter the data not only at the lowest level but also at a group level (all arable crops together, all vegetables or cereals).

Choosing a nomenclature/classification

- It is very tempting to „invent“ a classification of one’s own.
- Use your national system if one is available or an international classification.
- However, for international comparisons, it is more useful to use an international classification.
- We recommend that you use the classification of the OrganicDataNetwork, which is based on a European classification (next chapter).

Classifications

Classifications used by the OrganicDataNetwork

- For organic agricultural land and crops: **Eurostat Handbook for Annual Crop Statistics** (Regulation 543/2009) (Revision 2013 – Presented in the WPM of the 12 and 13 March 2013, finalised in July 2013 (Adaptation of the OrganicDataNetwork database is in progress) http://epp.eurostat.ec.europa.eu/cache/ITY_SDDS/Annexes/apro_cpp_esms_an2.pdf
- For products: Eurostat (2008): **CPA 2008 - Statistical Classification of Products by Activity**. Eurostat, Luxembourg http://epp.eurostat.ec.europa.eu/portal/page/portal/cpa_2008/introduction

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Excerpt from the : Eurostat Handbook for Annual Crop Statistics

					Harvested productior	
Old code	**New code**	NOMENCLATURE (Reg. 543/2009)	Comment.	Table	31Mar N+1	31Mar N+1
	C1601	Vegetables, melons and strawberries (including kitchen gardens)			Op	Op
	C2007	**Permanent crops**		Tab. 3	X	Op
C2090	**C2090**	**Apples**		Tab. 3	X	X
C2110	**C2110**	**Apples for fresh consumption**		Tab. 3	Op	X
C2112	C2112	Golden Delicious			Op	Op
C2113	C2113	Other apples for fresh consumption			Op	Op
C2095	**C2095**	**Pears**		Tab. 3	X	X
C2130	C2130	Pears for fresh consumption			Op	Op
C2170	C2170	Stone fruits			Op	Op
C2180	**C2180**	**Peaches**		Tab. 3	X	X
C2221	**C2221**	**Nectarines**		Tab. 3	X	X
C2190	**C2190**	**Apricots**		Tab. 3	X	X
C2200	**C2200**	**Cherries**		Tab. 3	X	X
	C2201	**Sour cherries**		Tab. 3	X	X
C2210	**C2210**	**Plums**		Tab. 3	X	X
C2229	C2229	Other stone fruits n.e.c.			Op	Op
C2270	C2270	Berries (excluding strawberries)			Op	Op

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CPA 2008: Classification for products of agriculture

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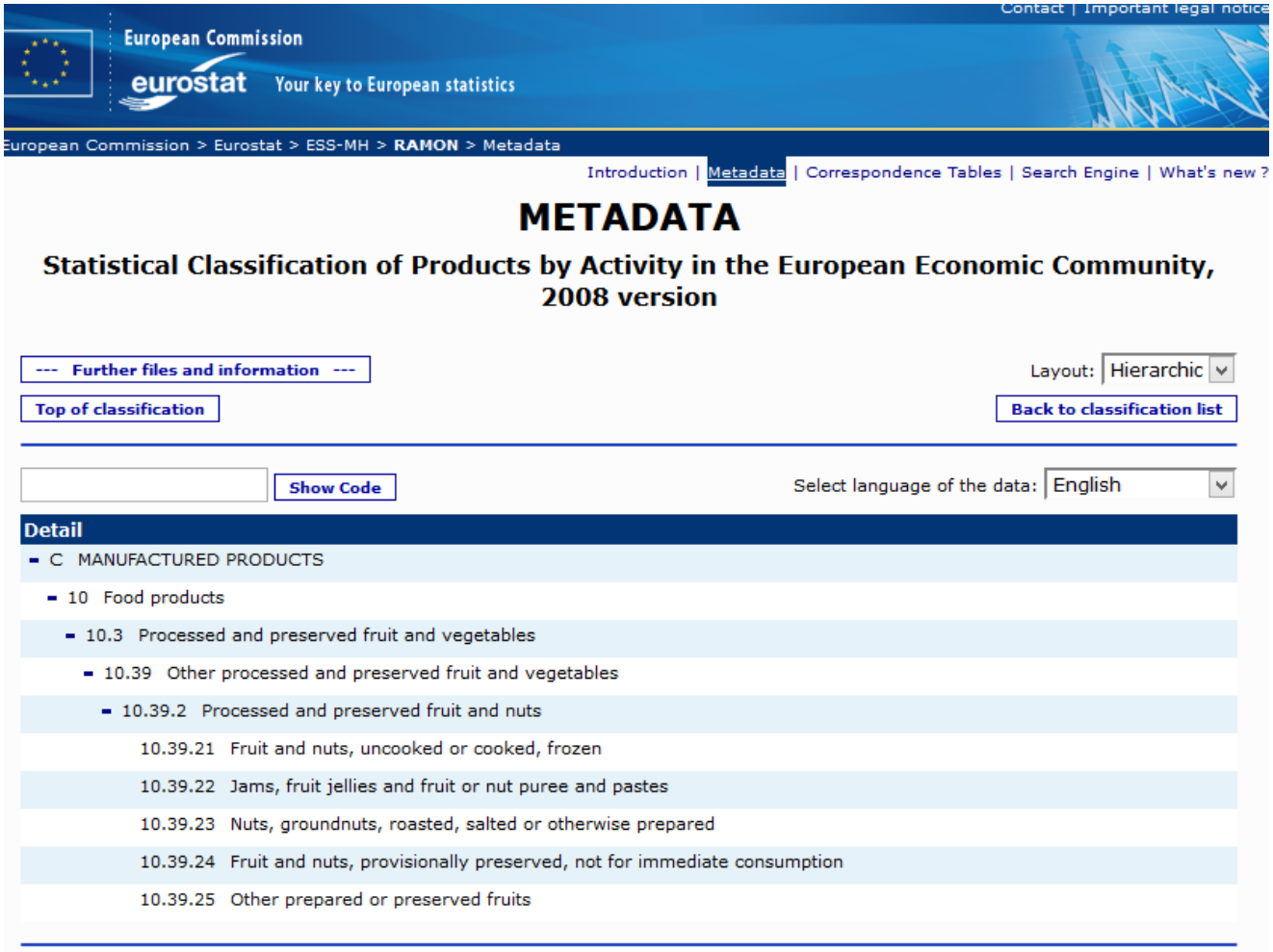
CPA 2008: Classification for manufactured products



Contact | Important legal notice

European Commission

eurostat Your key to European statistics

European Commission > Eurostat > ESS-MH > **RAMON** > Metadata

Introduction | Metadata | Correspondence Tables | Search Engine | What's new ?

METADATA

Statistical Classification of Products by Activity in the European Economic Community, 2008 version

--- Further files and information ---

Layout: Hierarchic

Top of classification

Back to classification list

Show Code

Select language of the data: English

Detail

- C MANUFACTURED PRODUCTS
  - 10 Food products
    - 10.3 Processed and preserved fruit and vegetables
      - 10.39 Other processed and preserved fruit and vegetables
        - 10.39.2 Processed and preserved fruit and nuts
          - 10.39.21 Fruit and nuts, uncooked or cooked, frozen
          - 10.39.22 Jams, fruit jellies and fruit or nut puree and pastes
          - 10.39.23 Nuts, groundnuts, roasted, salted or otherwise prepared
          - 10.39.24 Fruit and nuts, provisionally preserved, not for immediate consumption
          - 10.39.25 Other prepared or preserved fruits

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Different hierarchies make data difficult to compare

- Different data collectors have developped different hierarchies for their needs
  - E.g. household or trade panels use other hierarchies than statistical offices
- To make them comparable, it is the best to have as many details as possible
- If you build up new data collection system we recommend to use the relevant Eurostat codes

Extracting the data

Extracting data

- If you have all data in one MS Excel sheet or in one table in an MS Access database, then it is possible to extract the basic data (e.g. for one year or one crop) via filters in MS Excel or MS Access.
- E.g. Example of Denmark: Data on permanent crops for the year 2012
- If you need to make sums or subtotals then we recommend the use of Pivot tables.

Example: Permanent crops from Denmark 2012 (Excerpt from database)

Country	Level2	Level3	Level4	Level5	Indicator	Label	#Value
Denmark	Permanent crops	Berries	Berries, no details/n.e.c.	Berries, no details	Area [ha]	organic	73.00
Denmark	Permanent crops	Fruit, temperate	Apples	Apples	Area [ha]	organic	302.00
Denmark	Permanent crops	Fruit, temperate	Cherries	Cherries	Area [ha]	organic	8.00
Denmark	Permanent crops	Fruit, temperate	Pears	Pears	Area [ha]	organic	20.00
Denmark	Permanent crops	Fruit, temperate	Plums	Plums	Area [ha]	organic	5.00
Denmark	Permanent crops	Grapes	Grapes, no details	Grapes, no details	Area [ha]	organic	12.00
Denmark	Permanent crops	Nuts	Nuts, no details	Nuts, no details	Area [ha]	organic	7.00
Denmark	Permanent crops	Permanent crops, other	Other permanent crops, no details	Other permanent crops, no details	Area [ha]	organic	76.00

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Pivot extract of the same data (with subtotals)

Country	Level2	Level3	Level4	Area [ha]
Denmark	**Permanent crops**	**Berries**	Berries, no details/n.e.c.	73
		Berries total		*73*
		Fruit, temperate	Apples	302
			Cherries	8
			Pears	20
			Plums	5
		Fruit, temperate total		*335*
		Grapes	Grapes, no details	12
		Grapes total		*12*
		Nuts	Nuts, no details	7
		Nuts total		*7*
		Permanent crops, other	Other permanent crops, no details	76
		Permanent crops, other total		*76*
	Permanent crops total			**503**
Denmark total				**503**

Using queries to link data from look-up tables

- If you do not have all necessary data in the main data table, you need to extract the additional information stored in the look-up tables as well.
- Use queries in order to extract the full data; i.e. the data from the main table combined with those from the look-up tables.
- If you use Pivot tables for data analysis:
- Link the Pivot table to the query in question and not to the main table.

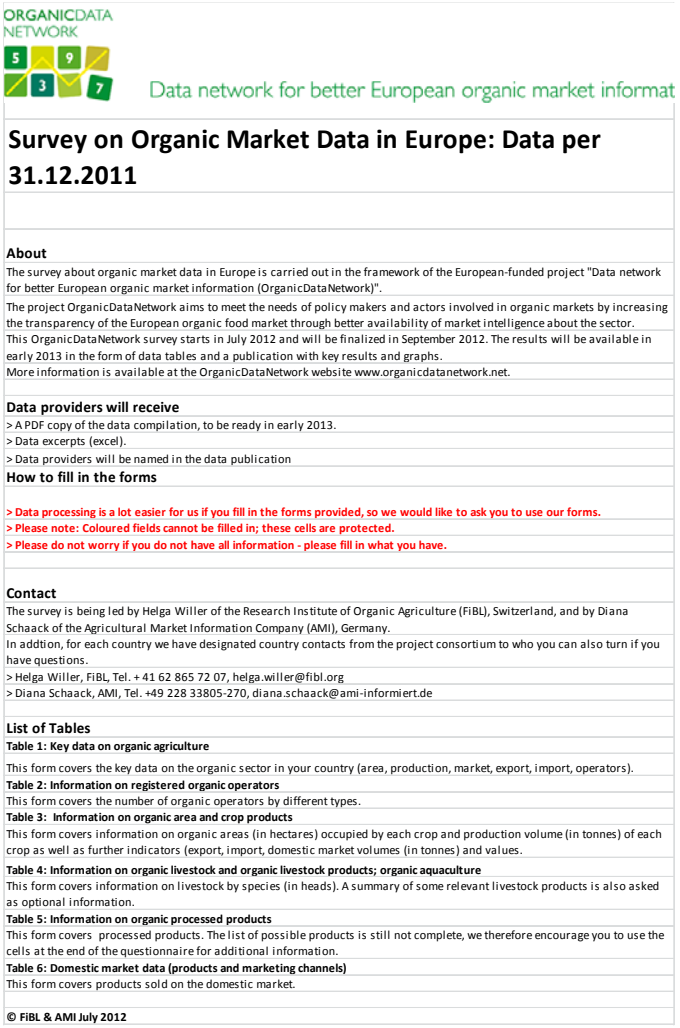
Data collection

Questionnaire

- We recommend to use a questionnaire for your data providers for standardized data input.
- Depending on the type of data you are looking for you will probably need different sheets, which are ideally all in one Excel table.
- The OrganicDataNetwork's questionnaire as well as further sample questionnaires are available at the OrganicDataNetwork website. http://www.organicdatanetwork.net/index.php?id=2649

Sheet 1: About

- Purpose of your data collection;
- Benefits for the data suppliers;
- Explanation of the various sheets of the questionnaire;
- Your contact details.



ORGANICDATA NETWORK

Data network for better European organic market informat

Survey on Organic Market Data in Europe: Data per 31.12.2011

About

The survey about organic market data in Europe is carried out in the framework of the European-funded project "Data network for better European organic market information (OrganicDataNetwork)".

The project OrganicDataNetwork aims to meet the needs of policy makers and actors involved in organic markets by increasing the transparency of the European organic food market through better availability of market intelligence about the sector.

This OrganicDataNetwork survey starts in July 2012 and will be finalized in September 2012. The results will be available in early 2013 in the form of data tables and a publication with key results and graphs.

More information is available at the OrganicDataNetwork website www.organicdatanetwork.net.

Data providers will receive

> A PDF copy of the data compilation, to be ready in early 2013.

> Data excerpts (excel).

> Data providers will be named in the data publication

How to fill in the forms

> Data processing is a lot easier for us if you fill in the forms provided, so we would like to ask you to use our forms.

> Please note: Coloured fields cannot be filled in; these cells are protected.

> Please do not worry if you do not have all information - please fill in what you have.

Contact

The survey is being led by Helga Willer of the Research Institute of Organic Agriculture (FiBL), Switzerland, and by Diana Schaack of the Agricultural Market Information Company (AMI), Germany.

In addtion, for each country we have designated country contacts from the project consortium to who you can also turn if you have questions.

> Helga Willer, FiBL, Tel. + 41 62 865 72 07, helga.willer@fibl.org

> Diana Schaack, AMI, Tel. +49 228 33805-270, diana.schaack@ami-informiert.de

List of Tables

Table 1: Key data on organic agriculture

This form covers the key data on the organic sector in your country (area, production, market, export, import, operators).

Table 2: Information on registered organic operators

This form covers the number of organic operators by different types.

Table 3: Information on organic area and crop products

This form covers information on organic areas (in hectares) occupied by each crop and production volume (in tonnes) of each crop as well as further indicators (export, import, domestic market volumes (in tonnes) and values.

Table 4: Information on organic livestock and organic livestock products; organic aquaculture

This form covers information on livestock by species (in heads). A summary of some relevant livestock products is also asked as optional information.

Table 5: Information on organic processed products

This form covers processed products. The list of possible products is still not complete, we therefore encourage you to use the cells at the end of the questionnaire for additional information.

Table 6: Domestic market data (products and marketing channels)

This form covers products sold on the domestic market.

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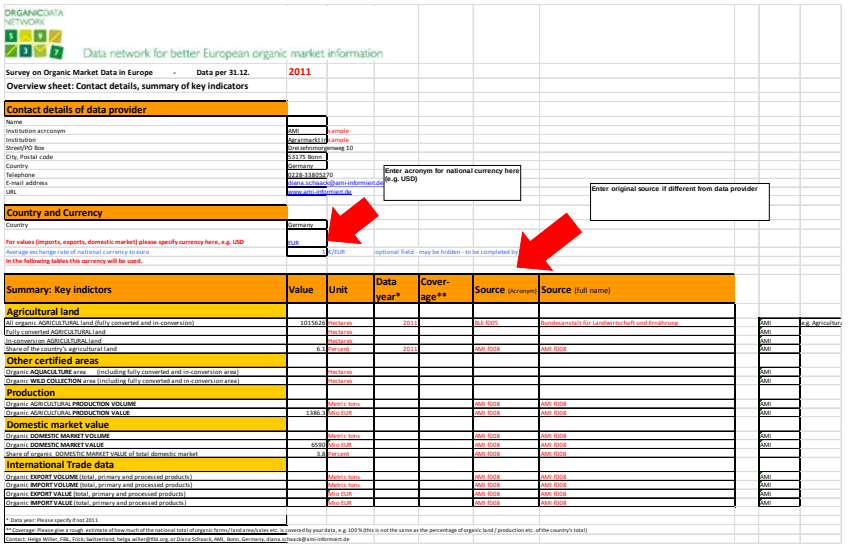
Sheet 2: Cover sheet

- Information on the data supplier (contact information)
- Information on the data source. (Not in all cases, the data suppliers are the same as the data source)
- Key indicators: Data and sources



ORGANICDATA NETWORK

Data network for better European organic market information

Survey on Organic Market Data in Europe - Data per 31.12. 2011

Overview sheet: Contact details, summary of key indicators

Contact details of data provider

Name	
Institution acronym	AMI
Institution	Agrarmarkt
Street/PO Box	Dreizehnmorgenweg 10
City, Postal code	53175 Bonn
Country	Germany
Telephone	0228-33805270
E-mail address	diana.schaack@ami-informiert.de
URL	www.ami-informiert.de

Enter acronym for national currency here (e.g. USD)

Enter original source if different from data provider

Country and Currency

Country	Germany
For values (imports, exports, domestic market) please specify currency here, e.g. USD	EUR
Average exchange rate of national currency to euro	1 /EUR
In the following tables this currency will be used.	

optional field - may be hidden - to be completed by

Summary: Key indictors	Value	Unit	Data year*	Cover-age**	Source (Acronym)	Source (full name)		
Agricultural land								
All organic AGRICULTURAL land (fully converted and in-conversion)	1015620	Hectares	2011		BLE 8005	Bundesanstalt für Landwirtschaft und Ernährung	AMI	e.g. Agriculture
Fully converted AGRICULTURAL land		Hectares					AMI	
In-conversion AGRICULTURAL land		Hectares					AMI	
Share of the country's agricultural land	6.1	Percent	2011		AMI 8008	AMI 8008	AMI	
Other certified areas								
Organic **AQUACULTURE** area (including fully converted and in-conversion area)		Hectares					AMI	
Organic **WILD COLLECTION** area (including fully converted and in-conversion area)		Hectares					AMI	
Production								
Organic AGRICULTURAL **PRODUCTION VOLUME**		Metric tons			AMI 8008	AMI 8008	AMI	
Organic AGRICULTURAL **PRODUCTION VALUE**	1186.3	Mio EUR			AMI 8008	AMI 8008	AMI	
Domestic market value								
Organic **DOMESTIC MARKET VOLUME**		Metric tons			AMI 8008	AMI 8008	AMI	
Organic **DOMESTIC MARKET VALUE**	6590	Mio EUR			AMI 8008	AMI 8008	AMI	
Share of organic DOMESTIC MARKET VALUE of total domestic market	1.8	Percent			AMI 8008	AMI 8008		
International Trade data								
Organic **EXPORT VOLUME** (total, primary and processed products)		Metric tons			AMI 8008	AMI 8008	AMI	
Organic **IMPORT VOLUME** (total, primary and processed products)		Metric tons			AMI 8008	AMI 8008	AMI	
Organic **EXPORT VALUE** (total, primary and processed products)		Mio EUR			AMI 8008	AMI 8008	AMI	
Organic **IMPORT VALUE** (total, primary and processed products)		Mio EUR			AMI 8008	AMI 8008	AMI	

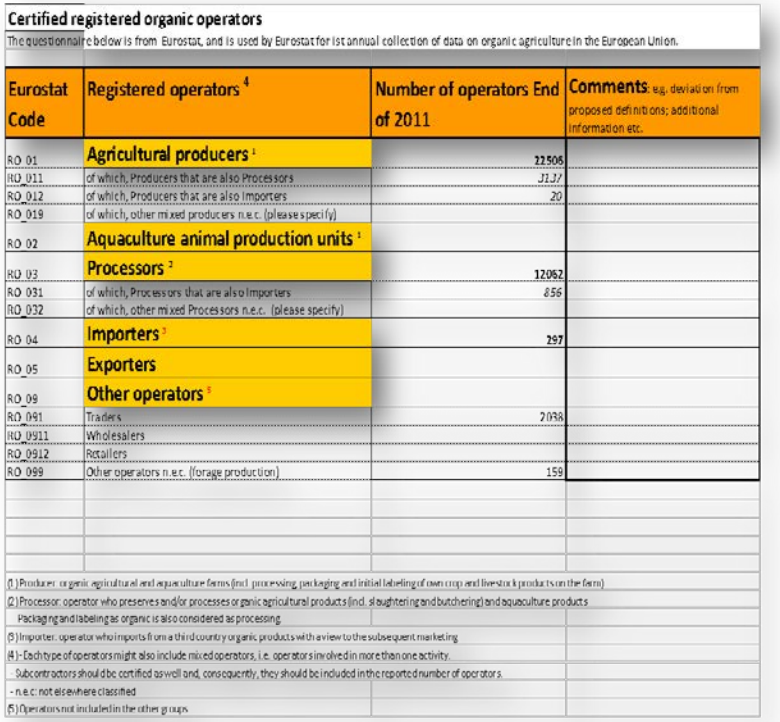
* Data year: Please specify if not 2011

** Coverage: Please give a rough estimate of how much of the national total of organic farms/land area/sales etc. is covered by your data, e.g. 100 % (this is not the same as the percentage of organic land / production etc. of the country's total)

Contact: Helga Willer, FiBL, Frick, Switzerland, helga.willer@fibl.org, or Diana Schaack, AMI, Bonn, Germany, diana.schaack@ami-informiert.de

Sheet 3: Operators

- The number of organic operators should be collected in a separate sheet:
- Agricultural producers
- Aquaculture animal production units
- Processors
- Importers
- Exporters
- Other operators



Certified registered organic operators

The questionnaire below is from Eurostat, and is used by Eurostat for 1st annual collection of data on organic agriculture in the European Union.

Eurostat Code	Registered operators [4]	Number of operators End of 2011	Comments: e.g. deviation from proposed definitions; additional information etc.
RO_01	**Agricultural producers** [1]	22506	
RO_011	of which, Producers that are also Processors	3137	
RO_012	of which, Producers that are also Importers	20	
RO_019	of which, other mixed producers n.e.c. (please specify)		
RO_02	**Aquaculture animal production units** [1]		
RO_03	**Processors** [2]	12062	
RO_031	of which, Processors that are also Importers	856	
RO_032	of which, other mixed Processors n.e.c. (please specify)		
RO_04	**Importers** [3]	297	
RO_05	**Exporters**		
RO_09	**Other operators** [5]		
RO_091	Traders	2038	
RO_0911	Wholesalers		
RO_0912	Retailers		
RO_099	Other operators n.e.c. (forage production)	159	

(1) Producer: organic agricultural and aquaculture farms (incl. processing, packaging and initial labeling of own crop and livestock products on the farm)
(2) Processor: operator who preserves and/or processes organic agricultural products (incl. slaughtering and butchering) and aquaculture products
Packaging and labeling as organic is also considered as processing
(3) Importer: operator who imports from a third country organic products with a view to the subsequent marketing
(4) - Each type of operators might also include mixed operators, i.e. operators involved in more than one activity.
Subcontractors should be certified as well and, consequently, they should be included in the reported number of operators.
- n.e.c: not elsewhere classified
(5) Operators not included in the other groups

Sheet 4: Area and primary production

- It is advisable to have a separate data sheet for
  - the area in ha
  - and the production in metric tons,
- and to use a standard nomenclature and classification for these data.

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Crops/Land use	In conversion area [ha]	Fully converted area [ha]	Total organic area [ha]	Production volume [t]
Agricultural land and crops	0.0	0.0	435'210.0	1'181'500.0
Agricultural land for which no details are available			0.0	
Arable land crops	0.0	0.0	411'830.0	1'076'500.0
Arable land crops, no details			0.0	
Cereals for the production of grain (incl. seeds and rice)	0.0	0.0	204'000.0	648'000.0
Cereals for the production of grain (incl. seeds and rice), no details			0.0	1'000.0
Cereals, excluding rice	0.0	0.0	204'000.0	648'000.0
Wheat	0.0	0.0	76'500.0	267'000.0
Wheat, no details			0.0	0.0
Durum wheat			0.0	
Common wheat and spelt	0.0	0.0	76'500.0	267'000.0
Common wheat and spelt, no details			0.0	
Soft wheat, human consumption			0.0	
Soft wheat, animal feed			0.0	
Grain maize and corn cob mix			4'000.0	
Barley	0.0	0.0	22'500.0	77'000.0
Barley, no details			0.0	77'000.0
Rye and meslin	0.0	0.0	53'000.0	141'000.0
Rye and meslin, no details			0.0	141'000.0
Oats			23'000.0	74'000.0
Triticale			24'000.0	88'000.0
Buckwheat			0.0	
Millet	0.0	0.0	0.0	0.0
Millet, no details			0.0	
Sorghum			0.0	
<important new crop>			0.0	
Other millet			0.0	
Quinoa			0.0	
Amaranto			0.0	
<important new crop>			0.0	
Other cereals, n.e.c.			1'000.0	
Rice			0.0	
Dried pulses and protein crops for the production of grain (including see	0.0	0.0	25'500.0	0.0
Dried pulses and protein crops for the production of grain (including seed and mixtures of cereals and pulses), no details			0.0	
Horse beans			8'600.0	
Beans			0.0	
Chick peas			6'000.0	

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Sheet 5: Livestock

- Sheet for livestock numbers (average animial stock per year or slaughtered animals)
- Production of livestock products (meat, milk, eggs etc.)

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Livestock numbers	Animals [heads]	Production volume [t]	Production value [Mio
Live animals (average annual stock)			
Bovine animals	0		
Bovine animals, no details			
Bovine animals for slaughter			
Dairy cows			
Other bovine animals			
Pigs	0		
Pigs, no details			
Fattening pigs			
Breeding sows			
Other pigs			
Sheep	0		
Sheep, no details			
Sheep, breeding females			
Sheep, for fattening			
Other sheep			
Goats	0		
Goats, no details			
Goats, breeding females			
Other goats			
Poultry	0		
Poultry, no details			
Broilers			
Laying hens			
Breeding poultry			
Other poultry			
Other poultry, no details			
Turkeys			
Ducks			
Geese			
Others			
Equidae	0		
Equidae, no details			
Rabbits	0		
Rabbits, no details			
Breeding females			
Bees, in number of hives	1		
Bees, in number of hives, no details	1		
Other livestock	0		
Other livestock, no details			
Deer			
Terrestial snails			
Others, e.g. froge			
Livestock products		0,0	0,0

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Sheet 6: Market and international trade data

- Total retail sales by product in the local currency and or euros and in metric tons
- Organic share of the retail sales by product
- Retail sales by product and by marketing channel (in local currency/euros and in mt)
- Exports and imports (value and quantities)

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Domestic Market & International Trade (Sales per product group and per sales channel)	Total organic market						By sales channel: General retail sales = supermarkets, hypermarkets, drugstores		By sales channel: Specialized organic retail = Stores with more than 90 % organic products		By sales channel: Direct sales = On farm sales, farmer's markets		By sales channel: Other sales channels = box schemes, bakeries, butchers, health food shops, online-shops, filling stations, others					
	Domestic organic market VOLUME [t] (all channels)	Organic share VOLUME [%]	Organic and conventional VOLUME [t]	Domestic organic market VALUE all channels [Mio EUR]	Organic share VALUE [%]	Organic and conventional VALUE [EUR]	General retail sales [t]	General retail sales value [Mio EUR]	Specialized organic retail sales [t]	Specialized organic retail value [Mio EUR]	Direct sales volume [t]	Direct sales value [Mio EUR]	Other sales channels volume [t]	Other sales channels value [Mio EUR]	Export volume [t]	Export value [Mio EUR]	Import volume [t]	Import value [Mio EUR]
Food and beverages	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food and beverages, no details																		
Cereals	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cereals, no details																		
Wheat																		
Grain maize and corn cob mix																		
Barley																		
Rye																		
Oats																		
Triticale																		
Buckwheat																		
Rice																		
<important new product, please enter>																		
Other cereals																		
Protein crops (dried pulses)	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Protein crops (dried pulses), no details																		
Horse beans																		
Peas																		
Lupine																		
<important new product, please enter>																		
Other protein crops																		
Oilseeds	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oilseeds, no details																		
Sunflower seed																		
Soy																		
Linseed/Flax																		
Rape and turnip rape																		
<important new product, please enter>																		
Other oilseeds																		
Root crops (excluding potatoes)	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Root crops, no details																		
Sugar beet																		
<important new product, please enter>																		
Other root crops																		
Fresh vegetables and potatoes	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vegetables	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Vegetables, no details																		

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Quality checks

Quality checks

A number of quality checks were used in the OrganicDataNetwork project and implemented via Pivot Tables:

- Comparison between two years (for all indicators)
- Comparison with overall country total (e.g. comparing organic area with total area)
- Organic production (share in %) < organic area (share in %)
- Organic yield < conventional yield
- Organic area < total area
- Imports < retail sales
- Domestic organic consumption = organic sales, sold as organic + organic imports - organic exports

Quality checks via pivot tables

- For the quality checks of the OrganicDataNetwork data we used Pivot tables as a basic tool.
- We programmed a number of tables for data checking.
- used the “conditional formatting” function to highlight inconsistent data.

Check No 1: Comparison with the previous year

- Comparison of the organic production for the years 2011 and 2012.
- On the column on the right we are highlighting 2012 data that are
  - either 20 percent higher or
  - lower than the 2011 data.
- If the differences are more than 20 percent or even higher, it might be a good idea to double check the data or find an explanation.
- We recommend to do this check for all indicators.

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Quality checks: Production quantity of arable and permanent crops: Com

For original data source and data year see last sheets

Source: OrganicDataNetwork Survey 2013, based on national data sources, www.organicdatanetwork.net

Highlighted are differences of more than 20 % more or less (.e. increases/decreases of 20%)

Level5 (Alle)

organic area				Year	Indicator	2011/2012 compared
				2011	2012	
Country	Level2	Level3	Level4	Production [t]	Production [t]	
Italy	Arable crops	Arable crops, other	Other arable crops, no	24'611.5	25'581.0	3.9
		Arable crops, other total		24'611.5	25'581.0	3.9
		Aromatic plants, med	Aromatic plants, medici	6'843.3	25'282.3	269.4
			Medicinal plants	--	--	
		Aromatic plants, medicinal and culinary plants to		6'843.3	25'282.3	269.4
		Cereals	Barley	112'640.3	167'750.3	48.9
			Cereals, no details	--	--	
			Grain maize and corn c	100'409.7	71'509.7	-28.8
			Millet	--	--	
			Oats	63'814.3	59'232.4	-7.2
			Other cereals n.e.c.	330'246.3	73'838.0	-77.6
			Rice	61'807.6	44'256.1	-28.4
			Rye	6'625.1	3'005.1	-54.6
			Triticale	16'858.1	19'148.5	13.6
			Wheat	423'169.9	427'085.5	0.9
		Cereals total		1'115'571.3	865'825.7	-22.4
		Dried pulses and pro	Beans	--	--	
			Lentils	--	--	
			Lupine	--	--	
			Peas	--	--	
			Protein crops, no details	116'730.5	73'919.2	-36.7
		Dried pulses and protein crops for the productio		116'730.5	73'919.2	-36.7
		Hops	Hops	--	2.0	
		Hops total		--	2.0	
		Industrial crops	Industrial crops, other	32'736.7	14'083.7	-57.0
		Industrial crops total		32'736.7	14'083.7	-57.0
		Mushrooms and truff	Mushrooms and truffles	742.1	--	
		Mushrooms and truffles total		742.1	--	
		Oilseeds	Linseed (oil flax)	396.3	1'816.1	358.3
			Oilseeds, no details	--	--	
			Oilseeds, other, n.e.c.	32.3	151.2	368.7

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Check no 2: Comparison with overall total

- Another very important quality check is the comparison with the overall total for a crop or a product.
- Ideally, you will enter not only the organic data but also the total/conventional data in your database in order to be able to programme the corresponding Pivot table.
- Depending on the country/crop/product one can assume that an organic share of more than 20 percent may be a hint for inconsistent data.

Check no 2: Comparison with overall total

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Quality checks: Organic production 2012: Share of area and share of production quantity compared

Please note: From Eurostat the production quantity is available only from fully converted land

Highlighted red: Share of production is higher than the share of the organic area

Plesae note: From Eurostat the production only of the fully converted land is available

Level1: Agricultural la | and crops

Share of production > share of area

				Country	Indicator	Year	Daten		
				Italy					
				Area [ha]			Production [t]		
				2012			2012		
Level2	Level3	Level4	Level5	Total	Organic	%	Total	Organic	%
	Cultivated mu	Cultivated mushro	Cultivated mushrooms	--	42.8	--	--	701.0	--
	Cultivated mushrooms total			--	42.8	--	--	701.0	--
Permanent crops	Berries	Berries, no details	Berries, no details	9'334.0	--	0.0	85'000.0	--	0.0
		Berries, other	Berries, other	--	220.3	--	--	1'149.9	--
		Blueberries	Blueberries	192.0	--	0.0	1'441.0	--	0.0
		Currants	Black currants	--	34.9	--	--	186.3	--
			Currants	100.0	--	0.0	700.0	--	0.0
		Raspberries	Raspberries	300.0	66.7	22.2	2'000.0	381.5	19.1
	Berries total			9'926.0	321.8	3.2	89'141.0	1'717.7	1.9
	Citrus fruit	Citrus fruit, no det	Citrus fruit, no details	1'429.0	--	0.0	27'699.0	--	0.0
		Citrus fruit, other	Citrus fruit, other	--	8'852.6	--	--	128'662.0	--
		Grapefruit/Pomelo	Grapefruit/Pomelos	300.0	83.3	27.8	7'100.0	2'250.9	31.7
		Lemons and limes	Lemons and limes	27'706.0	4'363.4	15.7	483'088.0	118'049.2	24.4
		Oranges	Oranges	101'903.0	12'040.5	11.8	2'469'939.0	230'022.9	9.3
		Tangerine	Tangerine	38'568.0	--	0.0	852'562.0	--	0.0
	Citrus fruit total			169'906.0	25'339.8	14.9	3'840'388.0	478'985.0	12.5
	Fruit	Fruit, other	Fruit, other	14'934.0	--	0.0	61'000.0	--	0.0
	Fruit total			14'934.0	--	0.0	61'000.0	--	0.0
	Fruit, tempera	Apples	Apples	56'860.0	3'995.4	7.0	2'411'201.0	33'067.6	1.4
		Apricots	Apricots	19'595.0	2'000.7	10.2	263'132.0	15'786.0	6.0
		Cherries	Cherries	31'700.0	3'003.8	9.5	120'332.0	8'122.6	6.8
		Fruit, temperate, o	Fruit, temperate, other	--	4'396.5	--	--	33'426.2	--
		Nectarines	Nectarines	--	526.9	--	--	9'505.8	--
		Peaches and nect	Peaches and nectarine	88'580.0	--	0.0	1'636'753.0	--	0.0
		Pears	Pears	39'428.0	1'280.4	3.2	926'542.0	19'874.4	2.1
		Plums	Plums	14'200.0	744.3	5.2	191'989.0	5'292.3	2.8
		Quinces	Quinces	87.0	--	0.0	1'146.3	--	0.0
		Stone fruit, no det	Stone fruit, no details	500.0	--	0.0	6'500.0	--	0.0
		Peaches	Peaches	--	1'945.5	--	--	18'219.8	--
	Fruit, temperate total			250'950.0	17'893.4	7.1	5'557'595.3	143'294.7	2.6
	Fruit, tropical	Avocados	Avocados	--	74.5	--	--	226.3	--
		Bananas	Bananas, no details	--	0.3	--	--	2.0	--

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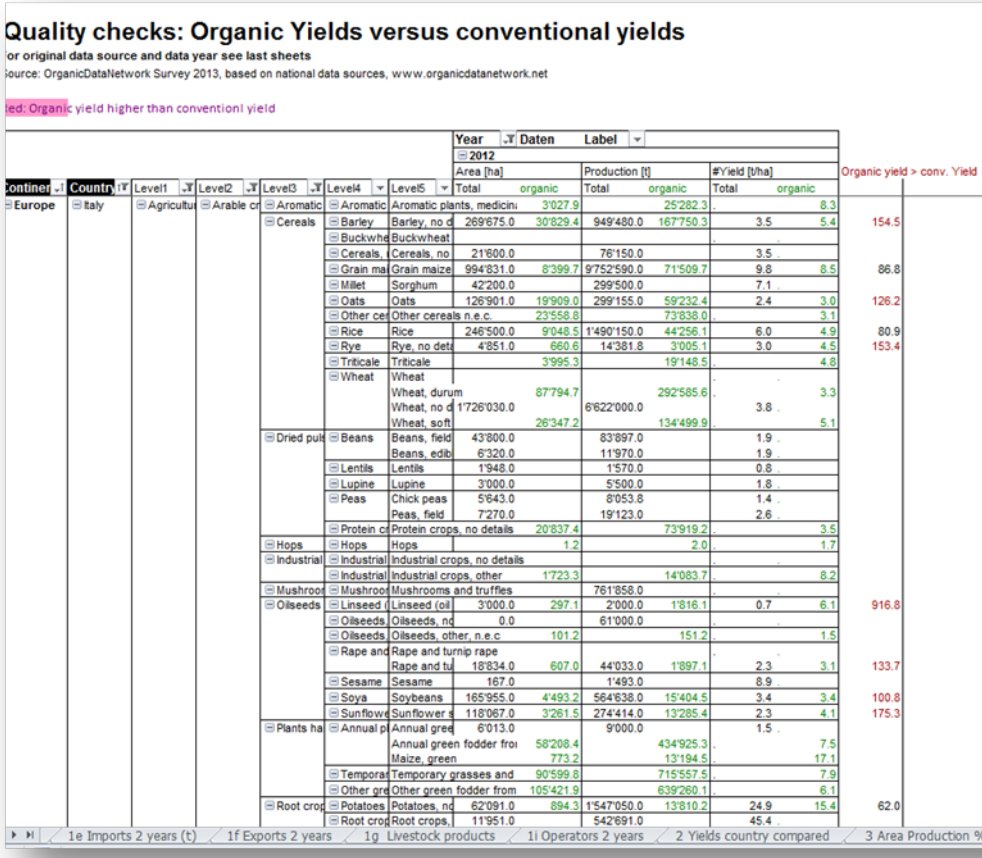
Check no 3: Comparison of yields

- The comparison of organic yields with conventional yields (e.g. based on FAO data or national data) can provide interesting information.
- If the conventional/overall yield is lower than the organic yield, this could be the hint for a potential inconsistency, and it might be worth to check on the data.
- Another interesting check is the comparison of the yield data with neighbouring countries or regions.



Quality checks: Organic Yields versus conventional yields

or original data source and data year see last sheets

ource: OrganicDataNetwork Survey 2013, based on national data sources, www.organicdatanetwork.net

ed: Organic yield higher than conventionl yield

Continer	Country	Level1	Level2	Level3	Level4	Level5	Year 2012 Area [ha] Total	Area [ha] organic	Production [t] Total	Production [t] organic	#Yield [t/ha] Total	#Yield [t/ha] organic	Organic yield > conv. Yield
Europe	Italy	Agricultur	Arable cr	Aromatic	Aromatic	Aromatic plants, medicin		3'027.9		25'282.3		8.3	
				Cereals	Barley	Barley, no d	269'675.0	30'829.4	949'480.0	167'750.3	3.5	5.4	154.5
					Buckwhe	Buckwheat							
					Cereals,	Cereals, no	21'600.0		76'150.0		3.5		
					Grain ma	Grain maize	994'831.0	8'399.7	9'752'590.0	71'509.7	9.8	8.5	86.8
					Millet	Sorghum	42'200.0		299'500.0		7.1		
					Oats	Oats	126'901.0	19'909.0	299'155.0	59'232.4	2.4	3.0	126.2
					Other cer	Other cereals n.e.c.		23'558.8		73'838.0		3.1	
					Rice	Rice	246'500.0	9'048.5	1'490'150.0	44'256.1	6.0	4.9	80.9
					Rye	Rye, no deta	4'851.0	660.6	14'381.8	3'005.1	3.0	4.5	153.4
					Triticale	Triticale		3'995.3		19'148.5		4.8	
					Wheat	Wheat							
						Wheat, durum		87'794.7		292'585.6		3.3	
						Wheat, no d	1'726'030.0		6'622'000.0		3.8		
						Wheat, soft		26'347.2		134'499.9		5.1	
				Dried pul	Beans	Beans, field	43'800.0		83'897.0		1.9		
						Beans, edib	6'320.0		11'970.0		1.9		
					Lentils	Lentils	1'948.0		1'570.0		0.8		
					Lupine	Lupine	3'000.0		5'500.0		1.8		
					Peas	Chick peas	5'643.0		8'053.8		1.4		
						Peas, field	7'270.0		19'123.0		2.6		
					Protein cr	Protein crops, no details		20'837.4		73'919.2		3.5	
				Hops	Hops	Hops		1.2		2.0		1.7	
				Industrial	Industrial	Industrial crops, no details							
					Industrial	Industrial crops, other		1'723.3		14'083.7		8.2	
				Mushroo	Mushroo	Mushrooms and truffles			761'858.0				
				Oilseeds	Linseed	Linseed (oil	3'000.0	297.1	2'000.0	1'816.1	0.7	6.1	916.8
					Oilseeds,	Oilseeds, no	0.0		61'000.0				
					Oilseeds,	Oilseeds, other, n.e.c		101.2		151.2		1.5	
					Rape and	Rape and turnip rape							
						Rape and tu	18'834.0	607.0	44'033.0	1'897.1	2.3	3.1	133.7
					Sesame	Sesame	167.0		1'493.0		8.9		
					Soya	Soybeans	165'955.0	4'493.2	564'638.0	15'404.5	3.4	3.4	100.8
					Sunflowe	Sunflower s	118'067.0	3'261.5	274'414.0	13'285.4	2.3	4.1	175.3
				Plants ha	Annual pl	Annual gree	6'013.0		9'000.0		1.5		
						Annual green fodder fro		58'208.4		434'925.3		7.5	
						Maize, green		773.2		13'194.5		17.1	
					Temporar	Temporary grasses and		90'599.8		715'557.5		7.9	
					Other gre	Other green fodder from		105'421.9		639'260.1		6.1	
				Root crop	Potatoes	Potatoes, no	62'091.0	894.3	1'547'050.0	13'810.2	24.9	15.4	62.0
					Root crop	Root crops,	11'951.0		542'691.0		45.4		

1e Imports 2 years (t) | 1f Exports 2 years | 1g Livestock products | 1i Operators 2 years | 2 Yields country compared | 3 Area Production %

Check no 4: Share of area vs. share of production

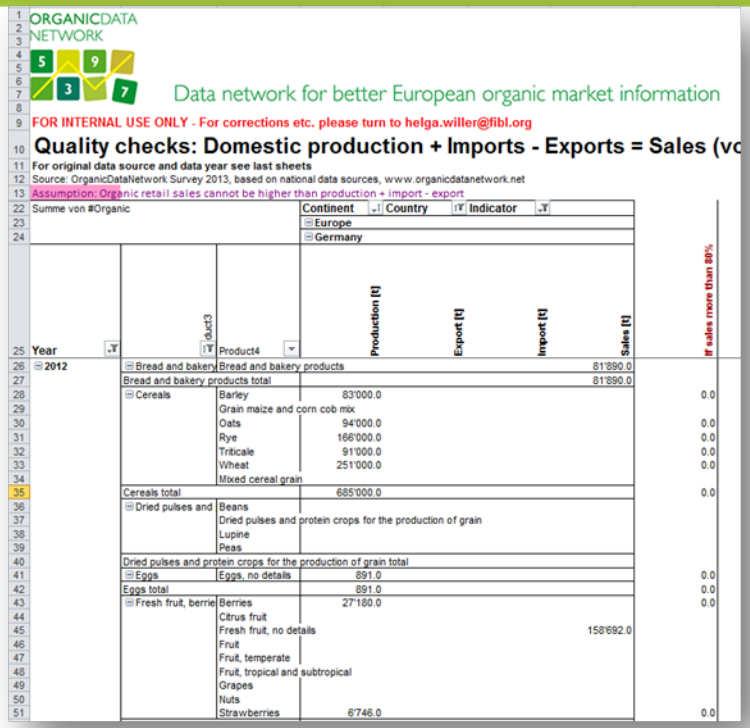
- Share of the organic area compared to the conventional area should be a higher than the share of organic production of the total production.
- If the share of production is higher than the share of the area or, if the share of production is far lower than the share of the area, this might be hint for inconsistent data.
- For this check it should be born in mind that the production data as provided by Eurostat refer to the production from the fully converted area, i.e. for the comparison of the share of production/area, the fully converted area should be used.

Check no 4: Share of area vs. share of production

			Indicator	year	Daten					
			Area [ha]			Production [t]				
			2011			2011				
Country	Level3	Level5	Total	Organic	%	Total	Organic	%		
Bulgaria	Berries	Berries, no details	188.0	--	0.0	212.0	--	0.0		
		Berries, other	--	152.7		--	240.6			
		Black currants	--	21.7		--	34.6			
		Blueberries	14.0	--	0.0	96.0	--	0.0		
		Cranberries	72.0	--	0.0	96.0	--	0.0		
		Currants	0.0	--		0.0	--			
		Raspberries	1'634.0	333.0	20.4	7'650.0	950.9	12.4	61.0	
	Berries total		1'908.0	507.3	26.6	8'054.0	1'226.0	15.2	57.3	
	Cereals	Barley, no details	178'993.0	578.5	0.3	707'022.0	418.0	0.1	18.3	
		Buckwheat	--	61.8		--	0.6			
		Cereals, no details	208.0	--	0.0	679.0	--	0.0		
		Grain maize and corn c	399'400.0	805.0	0.2	2'209'200.0	509.2	0.0	11.4	
		Millet, no details	3'160.0	--	0.0	4'400.0	--	0.0		
		Oats	14'794.0	189.4	1.3	29'230.0	204.3	0.7	54.6	
		Rice	11'791.0	--	0.0	59'619.0	--	0.0		
		Rye, no details	10'298.0	469.4	4.6	19'840.0	77.8	0.4	8.6	
		Sorghum	2'843.0	--	0.0	5'554.0	--	0.0		
		Triticale	8'590.0	111.1	1.3	26'522.0	14.0	0.1	4.1	
		Wheat, durum	--	652.2		--	1'048.2			
		Wheat, no details	1'137'642.0	--	0.0	4'458'492.0	--	0.0		
		Wheat, soft	--	3'653.3		--	885.7			
	Cereals total		1'767'719.0	6'520.8	0.4	7'520'558.0	3'157.6	0.0	11.4	
	Dried pulses and p	Beans, field	4.0	--	0.0	5.0	--	0.0		
		Chick peas	1'677.0	--	0.0	1'717.0	--	0.0		
		Lentils	1'686.0	--	0.0	1'872.0	--	0.0		
		Peas, field	1'082.0	--	0.0	1'985.0	--	0.0		
		Protein crops, no details	83.0	105.8	127.4	180.0	137.2	76.2	59.8	
		Beans, dry	954.0	--	0.0	1'011.0	--	0.0		
	Dried pulses and protein crops for the produ		5'486.0	105.8	1.9	6'770.0	137.2	2.0	105.1	

Check no 5: Equation models

- If the organic data are available for the full supply chain (organic production, retail sales, exports and imports)
- the equation production + imports – exports = retail sales could be set up to find out inconsistencies.
- Another, simpler equation model could be that organic imports should not be higher than organic retail sales.



ORGANICDATA NETWORK

Data network for better European organic market information

FOR INTERNAL USE ONLY - For corrections etc. please turn to helga.willer@fibl.org

Quality checks: Domestic production + Imports - Exports = Sales (vo

For original data source and data year see last sheets

Source: OrganicDataNetwork Survey 2013, based on national data sources, www.organicdatanetwork.net

Assumption: Organic retail sales cannot be higher than production + import - export

Summe von #Organic

Continent	Country	Indicator
Europe		
Germany		

Year	duct3	Product4	Production [t]	Export [t]	Import [t]	Sales [t]	If sales more than 80%
2012	Bread and bakery	Bread and bakery products				81'890.0	
	Bread and bakery products total					81'890.0	
	Cereals	Barley	83'000.0				0.0
		Grain maize and corn cob mix					
		Oats	94'000.0				0.0
		Rye	166'000.0				0.0
		Triticale	91'000.0				0.0
		Wheat	251'000.0				0.0
		Mixed cereal grain					
	Cereals total		685'000.0				0.0
	Dried pulses and	Beans					
		Dried pulses and protein crops for the production of grain					
		Lupine					
		Peas					
	Dried pulses and protein crops for the production of grain total						
	Eggs	Eggs, no details	891.0				0.0
	Eggs total		891.0				0.0
	Fresh fruit, berrie	Berries	27'180.0				0.0
		Citrus fruit					
		Fresh fruit, no details				158'692.0	
		Fruit					
		Fruit, temperate					
		Fruit, tropical and subtropical					
		Grapes					
		Nuts					
		Strawberries	6'746.0				0.0

Data analysis

The quality checks give a lot of information about the data. Data that are conspicuous may be a hint for mistakes, but also for interesting developments. For the data analysis we recommend again the use of Pivot tables as well as that of graphs to highlight certain developments or statements.

In your data analysis you could:

- Analyse the (historical) development for the indicators by showing growth in absolute and relative terms
- Compare, within one indicator, various countries/regions for one year.
- Compare, for one product various indicators for one year
- Compare, within one indicator, the organic performance compared to the overall total
- Extrapolate trends of the organic sector