



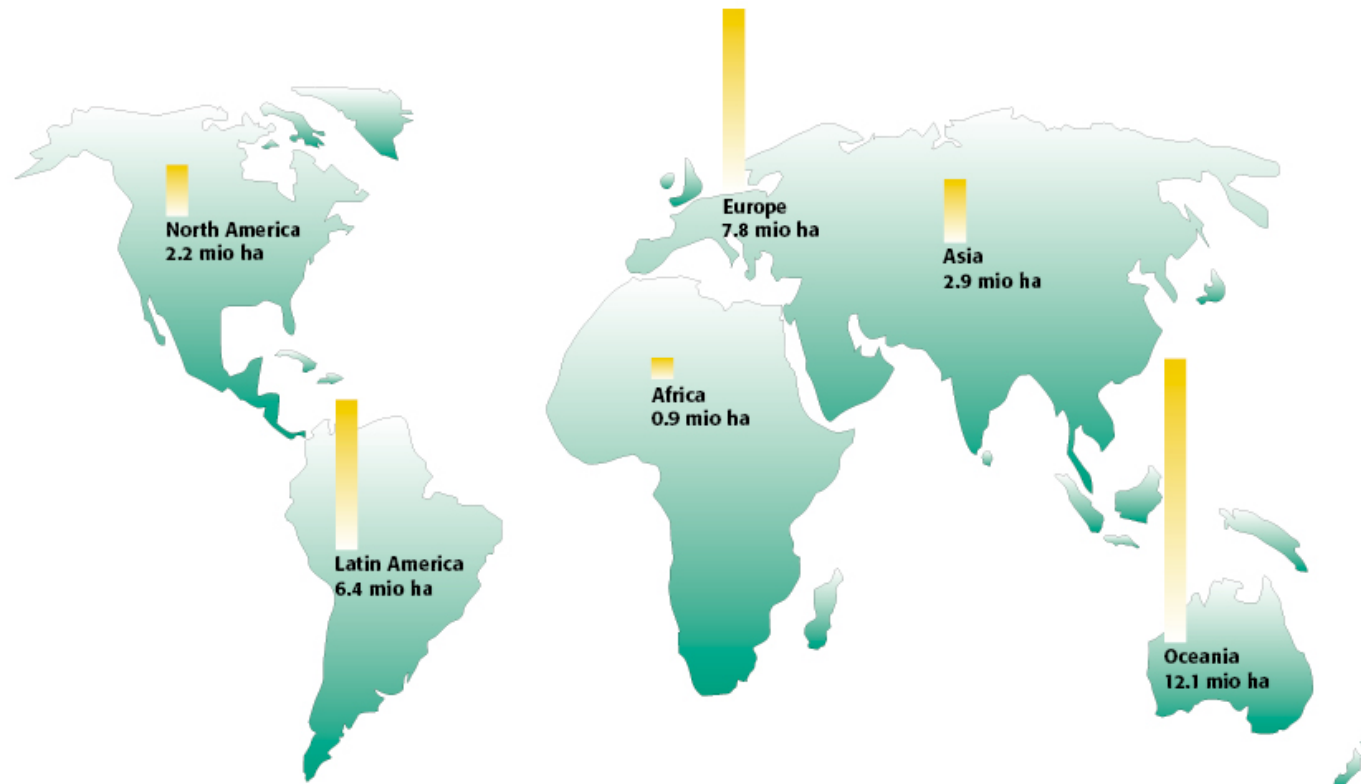
Workshop on data collection and data processing

IIV Encuentro Latinoamericano de Agricultura
Orgánica

Salinitas, October 16, 2009

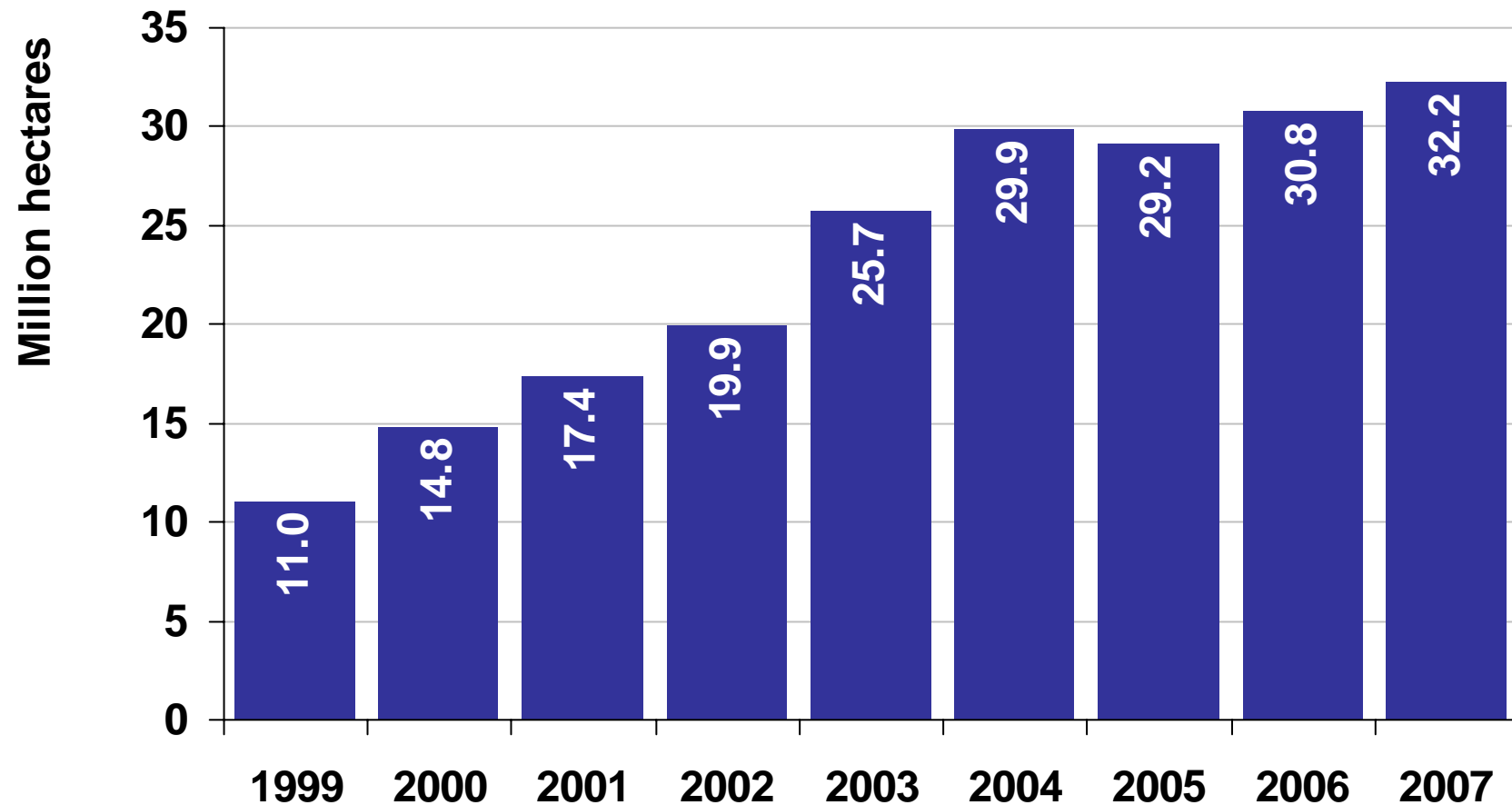
Prepared by Helga Willer, FiBL, Frick, Switzerland

Organic agriculture worldwide 2007 – the tenth global organic survey



Source: FiBL & IFOAM Survey 2009

World: Development of organic agricultural land 1999-2007 (Revision date: May 2009)



Source: FiBL, IFOAM & SOEL 2000-2009

Global organic survey 2009

- The tenth survey on organic agriculture world-wide was carried out by FiBL and the International Federation of Organic Agriculture Movements IFOAM (IFOAM for Africa).
- The survey was carried out between July and December 2008
- Most data collected are from 2007, for some countries for 2008
- Data were received from 141 countries (2006: 135 countries)
- Data are provided by country experts, (representatives from NGOs, certification bodies, governments, researchers)
- The results are published in the yearbook ,The World of Organic Agriculture‘ and at www.organic-world.net

SECO ITC project: Global information system for organic market and production data

- Since 2008 there has been support by the Swiss State secretariat of Economic Affairs SECO and the International Trade Centre, Geneva, for:
- Data collection;
- Support of local partners for the data collection;
- Development of a classification of organic products (including manufactured products);
- Ease data collection through database improvement and an online data entering tool;
- Setting up the website www.organic-world.net;
- Carrying out a global overview of data availability.



Data collection systems

Countries covered by the global survey on organic agriculture by FiBL and IFOAM

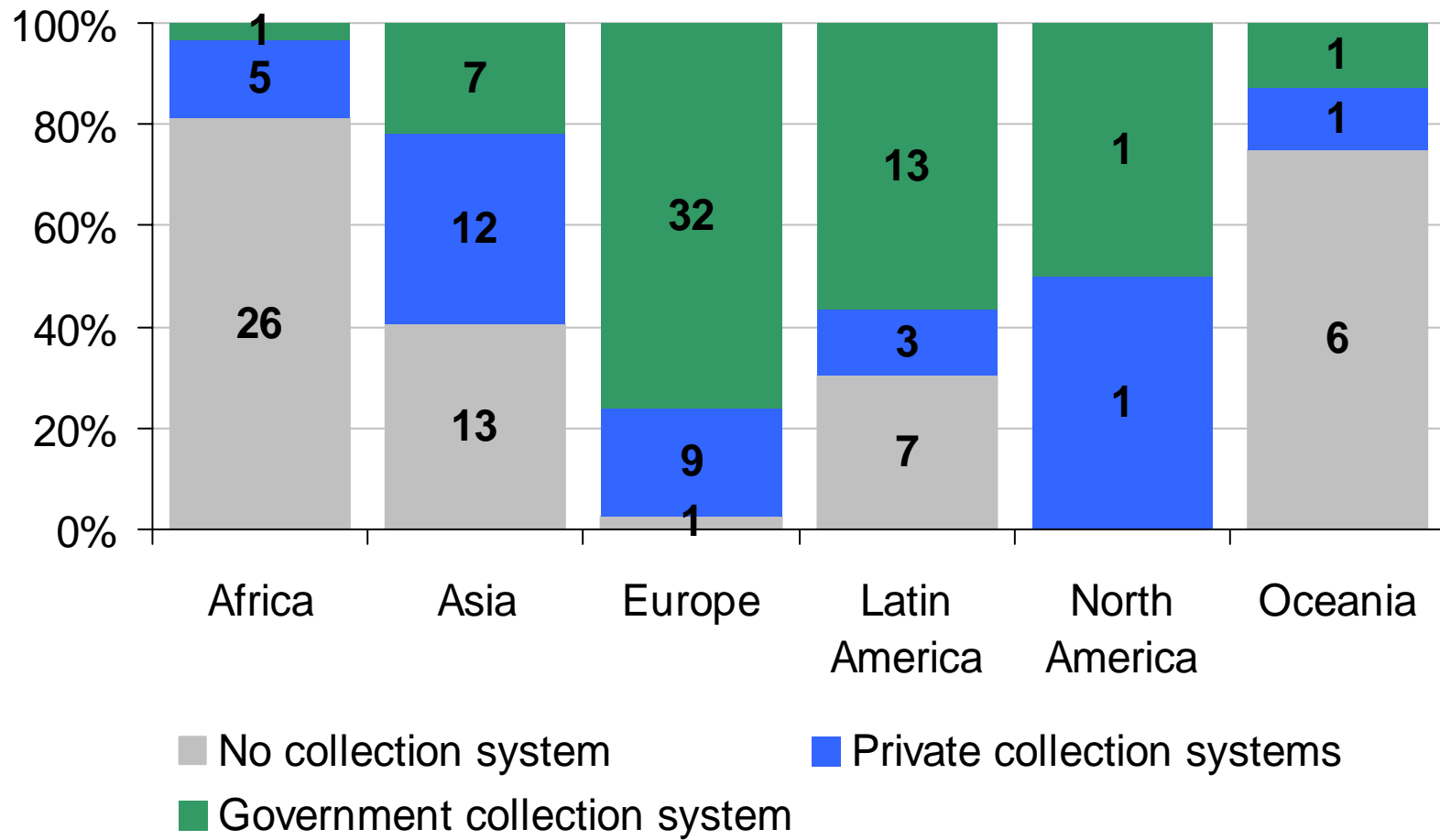
※	Countries with data on organic agriculture※	Countries per ↵ region※	Share of countries ↵ that provided data (%)※
Africa※	33※	55※	60※
Asia※	32※	48※	67※
Europe※	43※	45※	96※
Latin America※	23※	33※	70※
North America※	2※	2※	100※
Oceania※	8※	13※	62※
World※	142※	196※	73※

Source: FiBL & IFOAM 2009

Data collection systems

- FiBL, who has collected data on organic agriculture world-wide for the past years, distinguishes the following collection systems for the basic data on organic farming (land area and producers):
 - Governmental data collection systems,
 - Private collection systems,
 - For the remaining countries, no permanent collection system is in place.

Data collection systems



European Union: Stipulates that member states make organic data available

- According to the new regulation, all EU member states (27) have to deliver the key data on organic farming to Eurostat, the statistical office of the European Union.
- Requirements are:
- Data need to be collected among the organic certifiers registered by the competent authority
- Deliver data in an electronic format
- Data must be delivered by July 31 of the following year
- Data collected included:
 - Land area and crops
 - Conversion status
 - Production
 - Livestock
 - Operator types: Producers, processors, importers
 - Processors also by main type of activity (NACE Codes)





Types of data collected by FiBL and IFOAM

Land area & producers

- The total area under organic management and the number of producers are the most important data as these data show the importance of the organic sector in a country.
- The percentage of land under organic management is a generally accepted important indicator (e.g. by the European Commission).
- All countries covered by the global organic survey report the land under organic management.
- The number of farms is not reported by all. Some only report the total operators, some do not report any operators at all.

External trade as well as domestic market

- Important in order to grasp the importance of the organic sector for the national economy.
- Important data for decision making of politicians and market players.
- Very few countries have such data so far.
- Domestic market data: Good availability in Europe and North America
- Export data: Good availability in Latin America.
- Import data: Almost not available.

External trade: The example of Denmark

- By the end of 2004, there were almost 3,400 authorised farms/establishments (legal units) at the Danish Plant Directorate and almost 500 establishments (legal units) at the Danish Veterinary and Food Administration. Having matched information with Statistics Denmark's register of external trade statistics, it turned out that 254 of these establishments (legal units) were engaged in external trade with potential organic products.
- These 254 establishments (legal units) make up the respondent register for the population.
- Mailing and processing of the questionnaires
Subsequently, questionnaires are mailed to 254 establishments. The information, which was reported by the establishments to the external trade statistics, is shown in the questionnaire, and at the same time the establishments are asked to report the share of their turnover, which can be contributed to organic goods. 131 of the above-mentioned establishments have been engaged in external trade in organic goods.
- Source: Statistics Denmark at <http://www.dst.dk/HomeUK/Guide/documentation/Varedeklarationer/emnegruppe/emne.aspx?sysrid=099927>



Data classification

Classifications

- For the global organic survey a database was built into which all types of data can be entered.
- A major challenge has been the development of a classification system for crops and products, applied for the land area, production (volumes % values), exports (volumes % values), imports (volumes % values), domestic sales (volumes % values).
- Whereas for the primary crops the organic farming questionnaire by Eurostat, the statistical office of the European Union was used as a basis, for the manufactured crops the Central Product Classification CPC of the United Nations was used.
- A first draft of the latter is now available and it will be developed further by FiBL, IFOAM and the partners.

Operators

1	Global Organic Survey	-	Operators per 31.12.	2008	
2					
3					
4					
5	Operators	Number	Data year**	Source	Coverage*
6	PRODUCERS total (including mixed operations)****				
7	- Producers: Farm enterprises				
8	- Producers: Smallholders				
9	PROCESSORS (including mixed operations)				
10	TRADERS (including mixed operations)				
11	EXPORTERS (including mixed operations)				
12	IMPORTERS (including mixed operations)				
13	SEED SUPPLIERS (including mixed operations)				
14	SMALL-HOLDER GROUPS / Internal Control System ICS				
15	TOTAL OPERATORS****				
16					
17					
18	* Coverage: Please give a rough estimate of how much of the national total of organic farms/ land area etc. is covered by your data				
19	** Data year: Please specify if not 2008				
20	*** mixed operations: for example a farm that is also active in food processing.				
21	**** This is not necessarily the sum of the above as some enterprises might represent two operator types				
22					
23					

Crops and landuse (adapted from Eurostat)

Other aquaculture											
Q											
	R	S	T	U	V	W	X	Z	AA	AB	
Crops/Land use	In-conversion agricultural land [ha]	Fully converted agricultural land [ha]	Total [ha]	Production volume [t]	Production value [Mio]	Export volume [t]	Export value [Mio]	Domestic market value [Mio]	Import volume [t]	Import value [Mio]	
12 Agricultural land and crops (excluding aquaculture, wild collection, apiculture)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13 <i>Agricultural land for which no details are available</i>			0.0								
14 Arable crops	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15 <i>Arable crops, no details</i>			0.0								
16 Cereals for the production of grain (incl. seeds and rice)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17 <i>Cereals for the production of grain (incl. seeds and rice), no details</i>			0.0								
18 Cereals, excluding rice	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19 Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20 <i>Wheat, no details</i>			0.0								
21 Durum wheat			0.0								
22 Common wheat and spelt			0.0								
24 Grain maize and corn cob mix			0.0								
32 Barley			0.0								
40 Rye and meslin			0.0								
45 Oats			0.0								
46 Triticale			0.0								
47 Buckwheat			0.0								
49 Millet			0.0								
53 Quinoa			0.0								
54 Amarantho			0.0								
55 <i>Important new crops</i>			0.0								
56 Other cereals			0.0								
57 Rice			0.0								
58 Dried pulses and protein crops for the production of grain	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
59 <i>Dried pulses and protein crops for the production of grain, no details</i>			0.0								
71 Root crops	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
72 <i>Root crops, no details</i>			0.0								
74 Potatoes (incl. early and seed potatoes)			0.0								
83 Sugar beet (excl. seeds)			0.0								
84 Fodder beet			0.0								
85 Other fodder roots			0.0								
86 Maniok/cassava/yuca			0.0								
87 Sweet potatoes			0.0								
88 Tiger nuts			0.0								

[About](#) / [Overview](#) / [Operators](#) / **Land use and primary crops** / [Livestock](#) / [Products \(animal\)](#)

Bereit

Livestock: According to Eurostat

Livestock	Production volume [numbers]	Production value [Mio]	Export volume [numbers]	Export value [Mio]	Domestic market volume [t]	Domestic market value [Mio]	Import volume [numbers]
Live animals (average annual stock)		0.0		0.0	0.0	0.0	0.0
<i>Live animals for which no details are available</i>							
Bovine animals	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Bovine animals, no details</i>							
Bovine animals less than 1 year old	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Bovine animals less than 1 year old , no details</i>							
Calves for slaughter							
Other calves							
Bovine animals aged between 1 and 2 years	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Bovine animals aged between 1 and 2 years, no details</i>							
Bovine animals aged between 1 and 2 years for slaughter							
Other bovine animals aged between 1 and 2 years							
Bovine animals of two years and older	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Bovine animals of two years and older, no details</i>							
Dairy cows							
Suckler cows							
Bovine animals of 2 years and over for slaughter							
Other bovine animals of 2 years and over							
Pigs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Pigs, no details</i>							
Fattening pigs							
Breeding sows							
Other pigs							
Sheep	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Manufactured products (based on CPC codes)

(including products from live animals)

Manufactured products

(including products from live animals)

Send

	Production volume [t]	Production volume [hl]	Production value [Mio]	Export volume [t]	Export value [Mio]	Domestic market volume [t]	Domestic market value [Mio]
Manufactured products (including products from live animals)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Manufactured products for which no details are available</i>							
Prepared food and feedstuffs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Prepared food and feedstuffs, no details</i>							
Meat and fish products	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Meat and fish products, no details</i>							
Meat	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Meat, no details</i>							
Beef							
Pork							
Sheep							
Goats							
Equidae							
Meat, no details							
Sausages and similar products							
<important new product, please enter>							
Other meat and meat products							
Fish	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Fish, no details</i>							
Shrimps							
<important new product, please enter>							
Other fish products, no details							
Vegetables, prepared and preserved	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Vegetables, prepared and preserved, no details</i>							

► ► Operators / Land use and primary crops / Livestock / Products (animal, processed) /



Data processing

The database

Microsoft Access - [BioGlobal_TAB : Tabelle]

Frage hier eingeben

	inserted	modified	id	Source	Link	Year	EU	Continer	Count	Kultur	indicator	label	value	corr	original	Cumer	Remark
	21.09.2007	15.09.2008	27062	AQIS/ECO	http://www.aquelle.com.au/australia/	2008		Oceania	Austr	Permanent grassland	Area [ha]	organic	11680000				Total is 12,023,135; according to Es Wyen 90 % of this is
	22.10.2008	22.10.2008	27042	Evira	http://www.apollo.us/erkommuni	2008		Europe	Finla	Berries, wild	Area [ha]	organic	7399023				
	21.09.2007	15.09.2008	27040	Organics Brazil	http://www.apollo.us/erkommuni	2008		Latin	Brazi	Wild collection	Area [ha]	organic	6182180				Covers 95 % of the total
	04.11.2008	04.11.2008	27032	OPPAZ	http://www.apollo.us/erkommuni	2008		Africa	Zam	Bee pastures	Area [ha]	organic	5187442				North Western Bee Product, certified by the Soil Association
	02.10.2008	02.10.2008	27023	Agence bio		2008		Europe	France	Broilers	Animals [heads]	organic	4553579				
	18.04.2008	29.04.2009	26994	SENASA	http://www.apollo.us/erkommuni	2008		Latin	Arg	Permanent grassland	Area [ha]	organic	3646472				
	23.10.2008	23.10.2008	27004	Manoj Smith	http://www.apollo.us/erkommuni	2008		Africa	Nami	Devil's claw	Area [ha]	organic	2800000				
	23.10.2008	23.10.2008	27003	Manoj Smith	http://www.apollo.us/erkommuni	2008		Africa	Nami	Devil's claw	Area fully converted [ha]	organic	2800000				
	11.01.2008	15.09.2008	26973	APEDA	http://www.apeda-india.com	2008		Asia	India	Wild collection	Area [ha]	organic	1769689				
	21.09.2007	15.09.2008	26972	Organics Brazil	http://www.apollo.us/erkommuni	2008		Latin	Brazi	Agricultural land and crops, no	Area [ha]	organic	1765793				Converted, Covers 95 % of the total
	02.10.2008	02.10.2008	26966	Agence bio		2008		Europe	France	Laying hens	Animals [heads]	organic	1618730				
	08.03.2008	15.09.2008	26963	IAEI	http://www.apollo.us/erkommuni	2008		Europe	Czech	Permanent grassland	Production [t]	organic	1485019				
	03.07.2009	03.07.2009	27989	MAFF	http://www.apollo.us/erkommuni	2008		Asia	Japan	Sugar beet	Sales [t]	organic	1442387				
	03.07.2009	03.07.2009	27990	MAFF	http://www.apollo.us/erkommuni	2008		Asia	Japan	Sugar beet	Imports [t]	organic	1442352				
	21.09.2007	15.09.2008	26946	AOPEB	http://www.apollo.us/erkommuni	2008		Latin	Bolivi	Chestnuts, wild	Area [ha]	organic	1028556				
	21.12.2008	21.12.2008	26943	APEDA	http://www.apeda-india.com	2008		Asia	India	Agricultural land and crops, no	Production [t]	organic	976646				
	21.09.2007	15.09.2008	26942	USDA	http://www.ers.usda.gov	2008		North	USA	Permanent grassland	Area fully converted [ha]	organic	943389.95				
	21.09.2007	15.09.2008	26941	USDA	http://www.ers.usda.gov	2008		North	USA	Permanent grassland	Area [ha]	organic	943389.95				
	21.09.2007	15.09.2008	26940	Organics Brazil	http://www.apollo.us/erkommuni	2008		Latin	Brazi	Agricultural land and crops, no	Area fully converted [ha]	organic	932120				Converted, Covers 95 % of the total
	21.09.2007	15.09.2008	26938	DGSA	http://www.apollo.us/erkommuni	2008		Latin	Ur	Rough Grazing	Area fully	organic	926474				

Datensatz: 8 von 5611 (Gefiltert)

Datenblattansicht FLTR

Start Google

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E32

%

	A	B
16	Indicator	organic
17	Area [ha]	27'810'206
18	Area fully converted [ha]	9'725'270
19	Area under conversion [ha]	3'109'291
20	Export [t]	703'166
21	Exports [Mio l]	1'578
22	Exports: Shares [%]	9
23	Imports [Mio l]	911
24	Imports [t]	1'928'895
25	Marketing channel: Share [%]	396
26	Operators, bee keepers	811
27	Operators, collectors	14
28	Operators, exporters	120
29	Operators, farm enterprises	30
30	Operators, handlers	665
31	Operators, importers	2'884
32	Operators, no details	543
33	Operators, other	2'740
34	Operators, processors	36'473
35	Operators, producers	1'191'193
36	Operators, seed suppliers	66
37	Operators, smallholder groups	89
38	Operators, smallholders	313'617
39	Operators, total	237'608
40	Operators, traders	2'664
41	Production [hl]	0
42	Production [mio EUR]	52
43	Production [t]	6'434'270
44	Production [t]: Share [%]	26
45	Sales [l/person]	841
46	Sales [Mio l]	33'892
47	Sales [t]	1'949'390
48	Sales by channel [Mio l]	2'426
49	Sales domestic production [t]: Share [%]	2
50	Sales products: growth 1 year [%]	31
51	Sales: by product [Mio l]	2'309
52	Sales: Catering [Mio l]	413
53	Sales: growth 1 year [%]	219
54	Sales: Product share [%]	198
55	Sales: Share [%]	42
56	Total*	53'493'449

EU 2008 Area / EU 2007 Area / AGRICULT

The database: Classification master

Microsoft Access - [Master_BG TAB : Tabelle]

Frage hier eingeben

ID	Kultur1	Main use	Main crop category	Main Crop	Crop	Kultur	cKultur	fre
1527	Agricultural land and cro	Arable land	Vegetables	Brassicas	Other brassicas	Brassicas, other		
1288	Wild collection	Wild collection	Mushrooms, wild	Morel	Morel	Morel		
1110	Agricultural land and cro	Arable land	Vegetables	Vegetables cultivate	Okra	Okras		
1521	Agricultural land and cro	Arable land	Medicinal & aromatic plants	Aromatic plants, no	Aromatic plants, no	Aromatic plants, r		
221	Agricultural land and cro	Permanent crops	Nuts	Pecano	Pecano	Pecano		
1522	Agricultural land and cro	Arable land	Medicinal & aromatic plants	Aromatic plants, oth	Aromatic plants, oth	Aromatic plants, r		
1263	Agricultural land and cro	Permanent crops	Permanent crops, other	Barcloth	Barcloth	Barcloth		
1525	Agricultural land and cro	Arable land	Vegetables	Brassicas	Kohlrabi	Kohlrabi		
1512	Agricultural land and cro	Agricultural land and cro	Agricultural land and crops,	Agricultural land and	Agricultural land and	Agricultural land and		
1286	Wild collection	Wild collection	Mushrooms, wild	Boletes	Boletes	Boletes		
1526	Agricultural land and cro	Arable land	Vegetables	Brassicas	Curley kale	Curley kale		
1121	Agricultural land and cro	Permanent crops	Temperate fruits	Temperate fruits, no	Temperate fruits, no	Temperate fruits		
1524	Agricultural land and cro	Arable land	Vegetables	Brassicas	Brussels sprouts	Brussels sprouts		
1352	Agricultural land and cro	Arable land	Vegetables	Pepper	Spice, paprika	Spice, paprika		
280	Agricultural land and cro	Permanent crops	Temperate fruit	Stone fruit	Stone fruit, no detail	Stone fruit		
1529	Agricultural land and cro	Arable land	Vegetables	Vegetables, leafy or	Chicory	Chicory		
1287	Wild collection	Wild collection	Mushrooms, wild	Chanterelle	Chanterelle	Chanterelle		
1515	Agricultural land and cro	Arable land	Cereals	Cereals excluding ri	Cereals, excluding r	Cereals, excludin		
1264	Agricultural land and cro	Permanent crops	Tropical and subtropical ben	Cape gooseberry	Berries, no details	Berries, no details		
1511	Agricultural land and cro	Agricultural land and cro	Agricultural land and crops	Agricultural land and	Agricultural land and	Agricultural land and		
1520	Agricultural land and cro	Arable land	Root crops	Yams	Yams	Yams		
1310	Manufactured products	Prepared food and fe	Prepared food and feedstuffs	Prepared food and fe	Prepared food and fe	Prepared food and 1		
1116	Manufactured products	Prepared food and fe	Food products and beverage	Food products and b	Food products and b	Food products an 1.0		
1167	Manufactured products	Prepared food and fe	Vegetables, prepared and pi	Frozen vegetables	Frozen vegetables, i	Frozen vegetables: 1.01.01		
1115	Manufactured products	Prepared food and fe	Vegetables, prepared and pi	Vegetable juices	Vegetable juices, nc	Vegetable juices 1.01.02		
1353	Manufactured products	Prepared food and fe	Vegetables, prepared and pi	Other prepared and	Pumpkin puree	Pumpkin puree 1.01.04.02		
1273	Manufactured products	Prepared food and fe	Vegetables, prepared and pi	Dried vegetables	Dried Mushrooms	Dried Mushrooms 1.01.05.01		
1104	Manufactured products	Prepared food and fe	Vegetables, prepared and pi	Dried vegetables	Dried Cassava leave	Dried Cassava lea 1.01.05.02		
1356	Manufactured products	Prepared food and fe	Vegetables, prepared and pi	Dried vegetables	Dried wild garlic	Dried wild garlic 1.01.05.03		
1581	Manufactured products	Prepared food and fe	Fruit, berries and nuts, prep	Dried fruit	Dried fruit	Dried fruit 1.02.01		

Datensatz: 1 von 533

bisher K-Codes , ev. später L-Codes

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Data analysis via Pivot tables

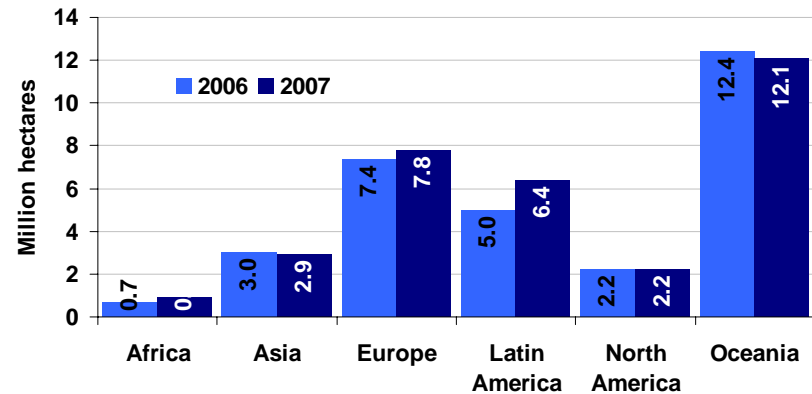
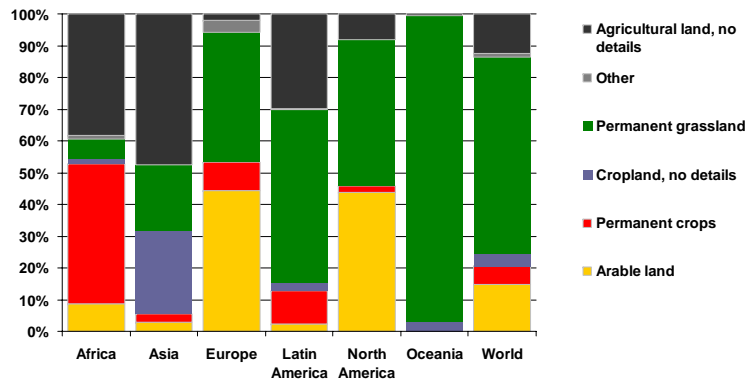
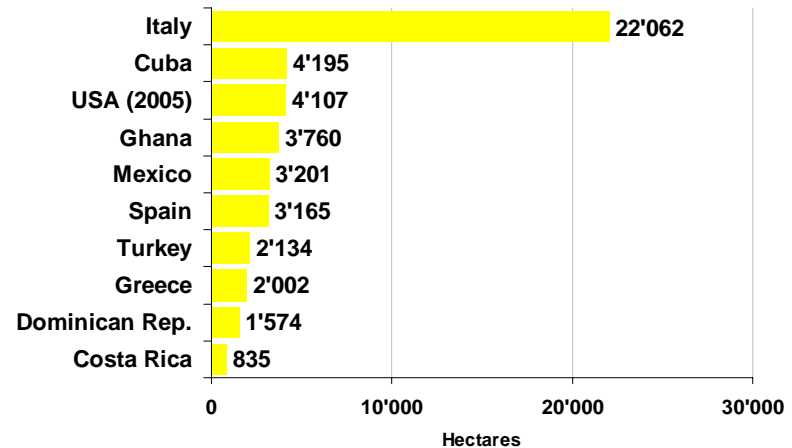
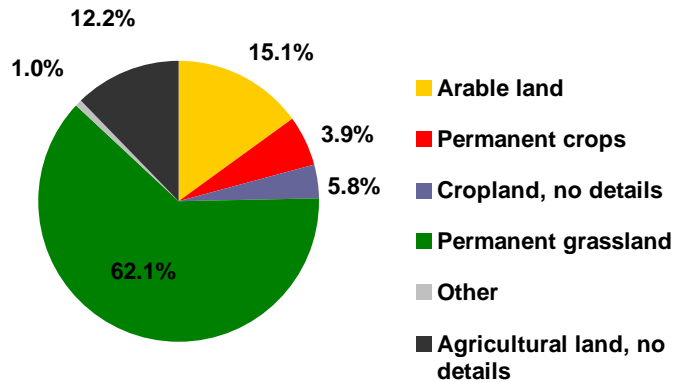
The screenshot shows a Microsoft Excel window titled "elsalvador.xls" with a PivotTable. The PivotTable is set to show data by Country and Main crop category. The columns are labeled "Indicator" and "Daten", with sub-columns for "Area [ha]". The data is filtered for "Agricultural land" in "Costa Rica" and "El Salvador".

Country	Main crop category	organic	%organic
Costa Rica	Vegetables	49	
	Medicinal and aromatic plants	131	
	Berries	145	
	Cereals	55	
	Cocoa	1'284	
	Coffee	1'524	
	Fruit, tropical and subtropical	5'484	
El Salvador	Root crops	10	
	Agricultural land and crops, no details		0.00%
	Cropland, no details	2	
	Vegetables	5	
	Medicinal and aromatic plants	13	
	Citrus fruit	5	
	Coconut	1'024	
	Coffee	3'743	2.43%
	Fruit, tropical and subtropical	264	
	Nuts	1'193	
	Oilseeds	839	
Other permanent crops	384		
Strawberries	2		
Sugarcane	5		

Plausibility checks

- Check data against data from previous year
- Check data against totals (FAO)

Data dissemination: Texts and graphs



Conclusions

- Not all countries have permanent collection system for organic farming yet.
- For the private collection systems there is the problem that the data collectors do often not have full access to the data from the certifiers or operators.
- Countries provide different types of data and different levels of data depth, so the data are often not comparable. In fact, the only indicator that is provided by all is the land under organic management.
- Classification systems for products and crops differ, and there is no consensus at a global level regarding the classification of the data.
- In spite of many improvements, information on many data types is still missing, which would be important to have in order to draw a clear picture on the development and importance of the sector. These are notably production and export volumes and values as well as domestic market data.

Contact

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