Results of the EISfOM project investigation into the current situation of data collection and processing

■ **Toralf Richter**

FiBL Frick

FiBL

Outline

- **Brief introduction**

- **Objective and approach to get information**

- **Statistic Scope and countries which were focussed**

- **Overview about Organic DCPS in Europe**

- **Investigation of the results**

- **Conclusions**

Brief introduction

- **European markets for organic products developed fast in recent years**

- **EU-research projects like OFCAP and OMIaRD have shown that in many countries data gathering takes place, however unsystematically**

- **Project results (OFCAP, OMIaRD) showed a high demand for organic production and market data**

- **However very basic data such as certified organic holdings, land areas and livestock numbers are reported currently**
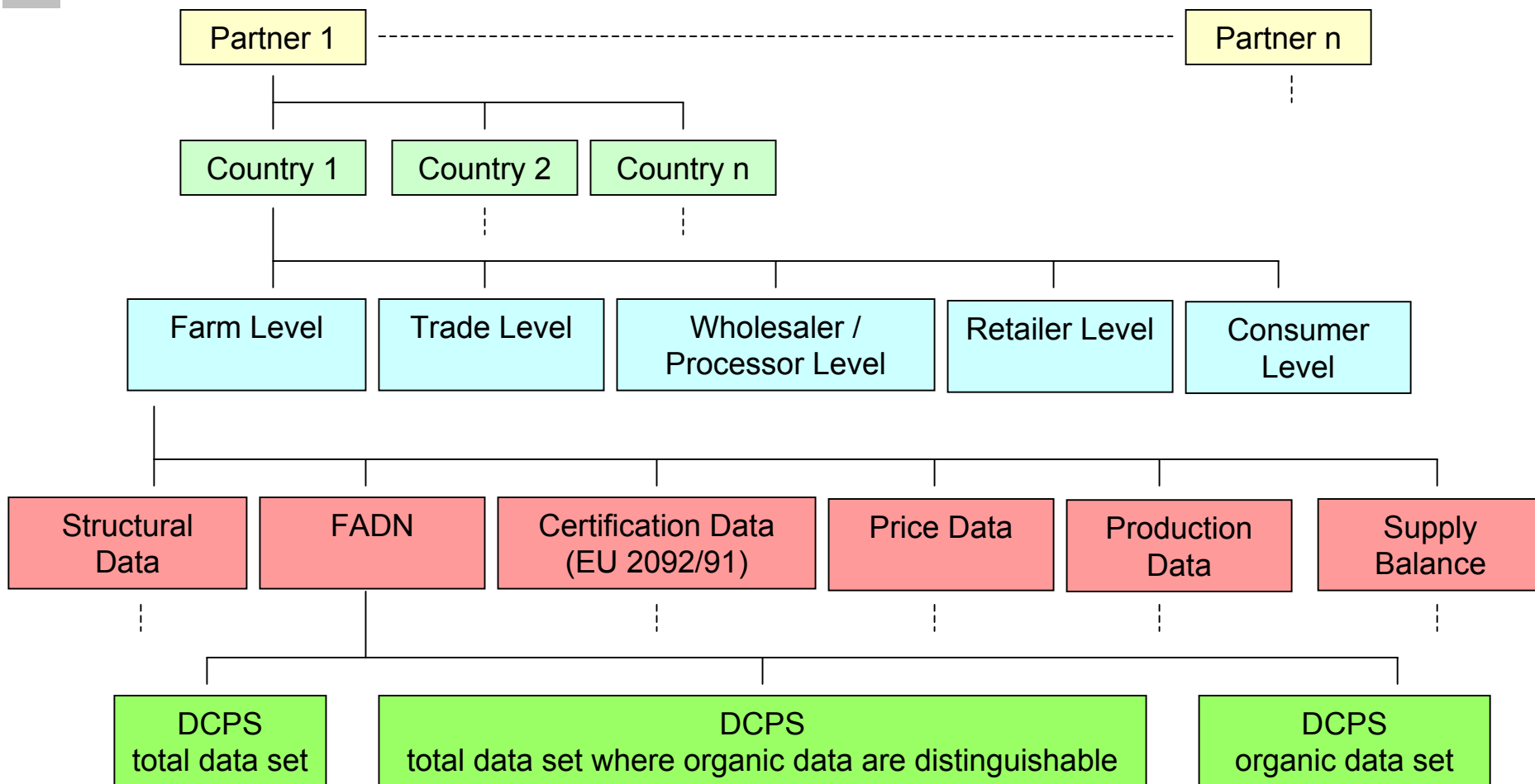
Objective of the 1. step of EISfOM project

Objective:

"Review existing data collection and processing systems **(DCPS)** for organic as well as conventional markets in order to understand their characteristics and identify opportunities for development and improvement."

FiBL

Approach to collect the information

- **Close consultation with EUROSTAT**

- **2-step survey in 32 European countries**

- **1. Survey**

  - **Which organisation collects data on which actor level?**
  - **Which organisation operates which DCPSs?**
  - **Main function of the organisation?**

- **2. Survey (5 sub-questionnaires)**

  - **National DCPS harmonised to an international DCPS?**
  - **Are organic data distinguishable in the DCPS?**
  - **What type of data are collected (volumes, sales, prics, structures, ...)**
  - **What about quality management, frequency, segmentation?**

Approach to collect the information

Partner 1 --------- Partner n

Country 1 | Country 2 | Country n

Farm Level | Trade Level | Wholesaler / Processor Level | Retailer Level | Consumer Level

Structural Data | FADN | Certification Data (EU 2092/91) | Price Data | Production Data | Supply Balance

DCPS total data set | DCPS total data set where organic data are distinguishable | DCPS organic data set
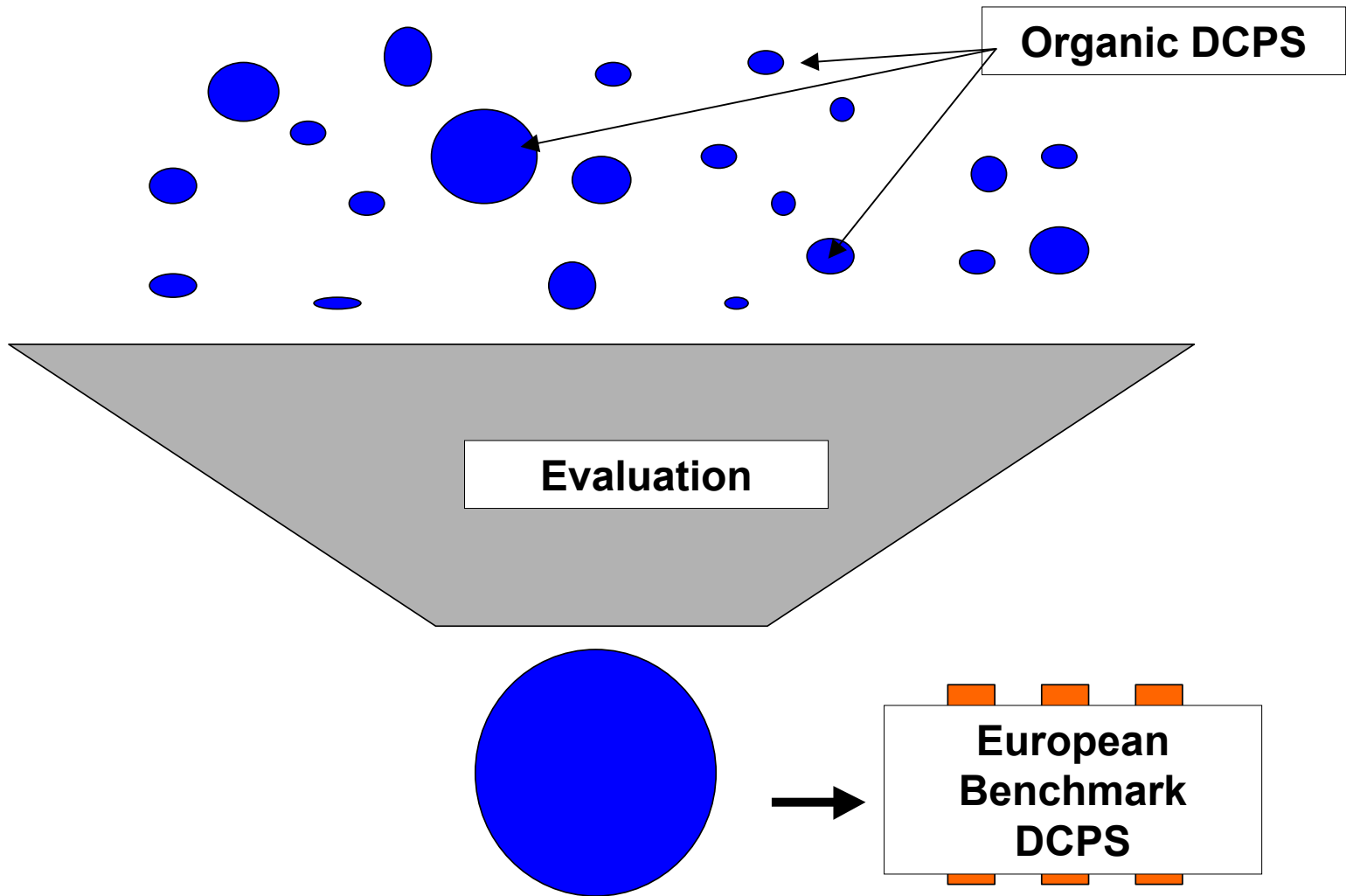
FiBL Frick

Studied countries and partner responsiblities

- **Scandinavia (DK, SE, FI, NO, IS) with DARCOF**

- **Benelux (NL, BE, LU) with LEI**

- **Central 1 (DE, SK, ES with University Kassel**

- **Central 2 (CH, LI, TR) with FiBL**

- **Central 3 (AT, SL, RO, BG) with University Innsbruck**

- **Central 4 (HU, CZ) with ZMP**

- **West (GB, IE, FR) with University of Wales**

- **East (PL, EE, LV, LT) with University Warsaw**

- **Mediterranean (GR, IT, PT, MT, CY) with University Ancona**

Evaluation of the national state of the art

Organic DCPS

Evaluation

European Benchmark DCPS

FiBL

FiBL Frick

Evaluation of the national state of the art

1. At least one DCPS with organic data collection

2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable

3. At least one DCPS which allows a direct comparison between organic and total

4. At least one DCPS with organic data which bases on a census or representative approach

5. At least one DCPS with organic data collection at least once per year

6. At least one DCPS with organic data where data / reports are disseminated at least once per year

7. At least one DCPS with organic data which run data quality management systems

FiBL

Farm Level - FADN	Austria	Belgium	Bulgaria	Czech Republic	Cyprus	Denmark	Estonia	Finland	Germany	France	Greece	Hungary	Ireland	Iceland	Italy	Liechtenstein	Lithuania	Latvia	Luxembourg	The Netherlands	Norway	Poland	Romania	Slovakia	Slovenia	Sweden	Switzerland	Spain	Turkey	UK	Total
1. At least one DCPS with organic data collection	x					x	x	x	x					x	x	x				x	x					x	x			x	13
2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable	x					x	x	x	x						x	x					x					x	x			x	11
3. At least one DCPS which allows a direct comparison between organic and total	x					x	x	x	x						x	x					x						x			x	10
Filter: Only those DCPSs considered which apply for all paragraphs 1,2,3																															
4. At least one DCPS with organic data which bases on a census or representative approach						x		x	x												x						x			x	6
5. At least one DCPS with organic data collection at least once per year	x					x	x	x	x							x					x						x			x	9
6. At least one DCPS with organic data where data / reports are disseminated at least once per year	x					x	x	x	x						x	x					x						x			x	10
7. At least one DCPS with organic data which run data quality management systems	x					x	x	x	x						x	x					x						x			x	10

FiBL

FiBL Frick

Farm Level - FSS	Austria	Belgium	Bulgaria	Czech Republic	Cyprus	Denmark	Estonia	Finland	Germany	France	Greece	Hungary	Ireland	Iceland	Italy	Liechtenstein	Lithuania	Latvia	Luxembourg	The Netherlands	Norway	Poland	Romania	Slovakia	Slovenia	Sweden	Switzerland	Spain	Turkey	UK	Total
1. At least one DCPS with organic data collection	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	**28**
2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable	x			x		x	x	x	x			x		x	x	x	x			x	x					x	x				**15**
3. At least one DCPS which allows a direct comparison between organic and total	x					x	x	x	x	x					x	x	x			x	x					x	x				**13**
Filter: Only those DCPSs considered which apply for all paragraphs 1,2,3																															
4. At least one DCPS with organic data which bases on a census or representative approach	x					x	x	x	x						x		x			x	x					x	x				**11**
5. At least one DCPS with organic data collection at least once per year						x	x	x	x						x	x	x			x	x					x	x				**11**
6. At least one DCPS with organic data where data / reports are disseminated at least once per year						x	x	x	x						x	x	x			x	x					x	x				**11**
7. At least one DCPS with organic data which run data quality management systems	x					x	x	x	x						x	x				x	x					x	x				**11**

Overview Farm Level III

Farm Level - Reg. 2092/91	Austria	Belgium	Bulgaria	Czech Republic	Cyprus	Denmark	Estonia	Finland	Germany	France	Greece	Hungary	Ireland	Iceland	Italy	Liechtenstein	Lithuania	Latvia	Luxembourg	The Netherlands	Norway	Poland	Romania	Slovakia	Slovenia	Sweden	Switzerland	Spain	Turkey	UK	Total
1. At least one DCPS with organic data collection	x						x	x	x					x					x	x		x				x					9
2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable	x							x	x																	x					4
3. At least one DCPS which allows a direct comparison between organic and total	x							x	x																						3
Filter: Only those DCPSs considered which apply for all paragraphs 1,2,3																															
4. At least one DCPS with organic data which bases on a census or representative approach	x							x	x																						3
5. At least one DCPS with organic data collection at least once per year	x							x	x																						3
6. At least one DCPS with organic data where data / reports are disseminated at least once per year	x							x	x																						3
7. At least one DCPS with organic data which run data quality management systems	x							x	x																						3

FiBL

Overview Farm Level IV

Farm Level - Production Statistics	Austria	Belgium	Bulgaria	Czech Republic	Cyprus	Denmark	Estonia	Finland	Germany	France	Greece	Hungary	Ireland	Iceland	Italy	Liechtenstein	Lithuania	Latvia	Luxembourg	The Netherlands	Norway	Poland	Romania	Slovakia	Slovenia	Sweden	Switzerland	Spain	Turkey	UK	Total
1. At least one DCPS with organic data collection	x		x			x		x	x							x					x					x			x	x	10
2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable	x					x		x	x							x					x					x					7
3. At least one DCPS which allows a direct comparison between organic and total	x					x		x	x							x					x					x					7
Filter: Only those DCPSs considered which apply for all paragraphs 1,2,3																															
4. At least one DCPS with organic data which bases on a census or representative approach	x							x	x																	x					4
5. At least one DCPS with organic data collection at least once per year	x							x	x							x						x				x					6
6. At least one DCPS with organic data where data / reports are disseminated at least once per year	x							x	x							x										x					5
7. At least one DCPS with organic data which run data quality management systems	x								x							x										x					4

FiBL

FiBL Frick

Overview Farm Level V

Farm Level - Price Statistics	Austria	Belgium	Bulgaria	Czech Republic	Cyprus	Denmark	Estonia	Finland	Germany	France	Greece	Hungary	Ireland	Iceland	Italy	Liechtenstein	Lithuania	Latvia	Luxembourg	The Netherlands	Norway	Poland	Romania	Slovakia	Slovenia	Sweden	Switzerland	Spain	Turkey	UK	Total
1. At least one DCPS with organic data collection	x					x		x	x						x	x				x	x					x	x				10
2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable	x					x		x	x							x					x						x				7
3. At least one DCPS which allows a direct comparison between organic and total	x					x		x	x												x						x				6
Filter: Only those DCPSs considered which apply for all paragraphs 1,2,3																															
4. At least one DCPS with organic data which bases on a census or representative approach	x							x	x																		x				4
5. At least one DCPS with organic data collection at least once per year	x							x	x																		x				4
6. At least one DCPS with organic data where data / reports are disseminated at least once per year								x	x																		x				3
7. At least one DCPS with organic data which run data quality management systems	x								x																		x				3

FiBL

Overview Trade Level

Foreign Trade Level	Austria	Belgium	Bulgaria	Czech Republic	Cyprus	Denmark	Estonia	Finland	Germany	France	Greece	Hungary	Ireland	Iceland	Italy	Liechtenstein	Lithuania	Latvia	Luxembourg	The Netherlands	Norway	Poland	Romania	Slovakia	Slovenia	Sweden	Switzerland	Spain	Turkey	UK	Total
1. At least one DCPS with organic data collection			x	x		x				x					x		x			x						x	x		x	x	11
2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable																				x						x			x		3
3. At least one DCPS which allows a direct comparison between organic and total																				x									x		2
Filter: Only those DCPSs considered which apply for all paragraphs 1,2,3																															
4. At least one DCPS with organic data which bases on a census or representative approach																				x											1
5. At least one DCPS with organic data collection at least once per year																				x									x		2
6. At least one DCPS with organic data where data / reports are disseminated at least once per year																				x									x		2
7. At least one DCPS with organic data which run data quality management systems																				x											1

FiBL

FiBL Frick

Overview Supply Balance Sheet

Farm Level - Supply Balance Sheet	Austria	Belgium	Bulgaria	Czech Republic	Cyprus	Denmark	Estonia	Finland	Germany	France	Greece	Hungary	Ireland	Iceland	Italy	Liechtenstein	Lithuania	Latvia	Luxembourg	The Netherlands	Norway	Poland	Romania	Slovakia	Slovenia	Sweden	Switzerland	Spain	Turkey	UK	Total
1. At least one DCPS with organic data collection																										x					1
2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable																															0
3. At least one DCPS which allows a direct comparison between organic and total																															0
Filter: Only those DCPSs considered which apply for all paragraphs 1,2,3																															
4. At least one DCPS with organic data which bases on a census or representative approach																															0
5. At least one DCPS with organic data collection at least once per year																															0
6. At least one DCPS with organic data where data / reports are disseminated at least once per year																															0
7. At least one DCPS with organic data which run data quality management systems																															0

FiBL

Overview Processor / Wholesaler Level

Wholesaler / Processor Level	Austria	Belgium	Bulgaria	Czech Republic	Cyprus	Denmark	Estonia	Finland	Germany	France	Greece	Hungary	Ireland	Iceland	Italy	Liechtenstein	Lithuania	Latvia	Luxembourg	The Netherlands	Norway	Poland	Romania	Slovakia	Slovenia	Sweden	Switzerland	Spain	Turkey	UK	Total
1. At least one DCPS with organic data collection			x						x	x					x						x								x		6
2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable									x						x						x										3
3. At least one DCPS which allows a direct comparison between organic and total									x	x					x						x										4
Filter: Only those DCPSs considered which apply for all paragraphs 1,2,3																															
4. At least one DCPS with organic data which bases on a census or representative approach									x						x																2
5. At least one DCPS with organic data collection at least once per year									x						x																2
6. At least one DCPS with organic data where data / reports are disseminated at least once per year									x						x																2
7. At least one DCPS with organic data which run data quality management systems									x						x																2

FiBL

FiBL Frick

Overview Retailer Level

Retailer Level	Austria	Belgium	Bulgaria	Czech Republic	Cyprus	Denmark	Estonia	Finland	Germany	France	Greece	Hungary	Ireland	Iceland	Italy	Liechtenstein	Lithuania	Latvia	Luxembourg	The Netherlands	Norway	Poland	Romania	Slovakia	Slovenia	Sweden	Switzerland	Spain	Turkey	UK	Total
1. At least one DCPS with organic data collection				x				x	x						x					x	x						x			x	8
2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable								x	x											x	x						x			x	6
3. At least one DCPS which allows a direct comparison between organic and total								x	x											x	x						x			x	6
Filter: Only those DCPSs considered which apply for all paragraphs 1,2,3																															
4. At least one DCPS with organic data which bases on a census or representative approach									x																		x			x	3
5. At least one DCPS with organic data collection at least once per year								x	x																		x			x	4
6. At least one DCPS with organic data where data / reports are disseminated at least once per year								x	x																		x			x	4
7. At least one DCPS with organic data which run data quality management systems									x																					x	2

FiBL Frick

Overview Consumer Level

Consumer Level	Austria	Belgium	Bulgaria	Czech Republic	Cyprus	Denmark	Estonia	Finland	Germany	France	Greece	Hungary	Ireland	Iceland	Italy	Liechtenstein	Lithuania	Latvia	Luxembourg	The Netherlands	Norway	Poland	Romania	Slovakia	Slovenia	Sweden	Switzerland	Spain	Turkey	UK	Total
1. At least one DCPS with organic data collection	x		x			x			x								x			x							x			x	**8**
2. At least one DCPS where organic data are integrated into a total DCPS and distinguishable	x					x			x											x							x			x	**6**
3. At least one DCPS which allows a direct comparison between organic and total	x					x			x											x							x			x	**6**
Filter: Only those DCPSs considered which apply for all paragraphs 1,2,3																															
4. At least one DCPS with organic data which bases on a census or representative approach	x					x			x											x							x			x	**6**
5. At least one DCPS with organic data collection at least once per year	x					x			x											x							x			x	**6**
6. At least one DCPS with organic data where data / reports are disseminated at least once per year	x					x			x											x							x			x	**6**
7. At least one DCPS with organic data which run data quality management systems	x					x			x											x							x			x	**6**

FiBL

Results

- **EISfOM survey with limited response rate**

- **Country reports of app. 30 countries available (www.eisfom.org)**

- **Given overview represents current knowledge level of EISfOM project team (you are very welcome to comment / add)**

- **In many countries unsystematic data collection of organic data**

- **In most countries nearly no public collection (know-how and relevant information are held by private institutions)**

- **Mostly organic farm structure data available in Europe**

- **There are nearly no data on trade level available, but also organic data lack on consumer and retailer level and on production level (only rough estimates available)**

- **Standardization is missing and organic data are seldom comparable to overal total data sets**

Conclusions

- **Currently few public DCPSs on an international level does exist with regard to the organic agriculture and food sector (however FAO, EUROSTAT, IFOAM have startes activities)**

- **Less activities run to harmonise national organic data collection systems on an international level**

- **Investment decisions of market actors and support decisions of policy makers are taken under conditions of great uncertainty**

- **Organic data know-how in most countries concentrated on less and private minds**

- **Public demand for organic data presently often are just statements and action plan points to support organic farming in theory**

- **Partly the link is missing between political objectives (on national and international level) and realisation by statistic authorities**

- **EISfOM will assist all national and international efforts to improve organic data collecting in next two years**

Thank you