

## **Workshop on Business and Consumer Surveys. Brussels 20-21 November 2003**

### **Danish dissemination practices for the Industry Survey**

#### **1. Statistics Denmark**

Statistics Denmark is the central statistical office in Denmark.

The mission and the objectives for the institution have been formulated in the strategy paper *Strategy 2006*. Here the overall mission of the institution is stated as follows:

*"Our mission is to produce and disseminate all trustworthy statistics on social and economic trends in society, which are an essential condition for its democracy and economy to work".*

In the same paper it is stated that Statistics Denmark produce statistics in order to enable:

- Danish citizens to acquire a trustworthy picture of society
- Politicians, the business community, public agencies and other organisations to monitor developments within society; to analyse them and obtain trustworthy information upon which rational decisions can be based
- The media and educational institutions to relay trustworthy information on developments, patterns and changes within Danish society
- Researchers to carry out empirical studies on social and economic trends
- The EU and other international cooperation to base activities on readily comparable statistics

The Business (Industry, Construction and Investment) and Consumer Surveys are included as important surveys in the Statistical Programme of Statistics Denmark. The results are disseminated to the public and contribute to the fulfilment of the overall mission.

#### **2. History of the Industry Survey**

The Danish Industry Survey was established in 1964 with a quarterly frequency.

The co-operation with the Commission started in 1981 based on the quarterly survey which was extended with a number of questions.

In 1998 the Danish survey was reorganised and harmonised with the EU survey. The main change implemented was a monthly frequency for a range of the questions and the introduction of the question regarding selling prices.

In May 2002 the employment question changed from quarterly to monthly frequency. Finally from July 2003 an additional factor, financial constraints, was

added to the list of factors limiting production because of the new version of the harmonised EU questionnaire.

### **3. Forms of dissemination in general**

Statistical information is published in various forms:

A news release, *News from Statistics Denmark*, presenting the main results.

*Statistical News* which presents the more detailed results.

*StatBank Denmark* on Internet with a level of detail normally corresponding to *Statistical News*.

Subject-oriented publications, e.g. *Main Indicators*

*Statistical Year Book*

### **4. Dissemination of Industry Survey results**

#### **4.1. News from Statistics Denmark**

The main results of the monthly Industry Survey is published the last working day in each month, at 9.30 , except for the December Survey which is published first week in January.

The main focus in the news release article is on the changes in the confidence indicator measured in seasonally adjusted figures. E.g. in the release regarding August 2003 the headline of the article was:

”Industrial expectations are going up”

This headline was based on the fact that the confidence indicator, seasonally adjusted, rose with 6 percentage points from -14 to -8 in August compared to July.

Besides the confidence indicator the article also gives information on expectations regarding production, employment and selling prices (monthly) and orders and export orders (quarterly). The results are presented in balance figures, non-seasonally adjusted, and broken down by a Danish version of MIGS (Main Industrial Groupings).

The article is on two pages and is available on Statistics Denmark's homepage, [www.dst.dk](http://www.dst.dk). It is in Danish only.

#### **4.2. Statistical News**

Simultaneously with the release of the article in *News from Statistics Denmark* an article is published in *Statistical News*. The article presents the results of the survey in details.

In summary tables and diagrams the results are presented basically at the same level of detail as in the article in News from Statistics Denmark, but including all questions and a separate chapter on methodology.

Finally all results are presented in detailed tables covering 17 activity levels in Industry and the complete distribution of answers as well as the balance figures.

The publication is in Danish and only available on subscription.

### **4.3. Main Indicators**

The monthly publication Main Indicators is covering a wide range of short term statistics. The Industry Survey is included with the confidence indicator (seasonally- and non-seasonally adjusted) and balance figures for the questions on production, employment, orders, selling prices, order books, export order books and stocks of finished products.

The publication is basically in Danish but with a translation into English of the table headings and -columns. It is only available on subscription.

### **4.4. Methodological description**

As it is the case for the about 250 most important statistical products a methodological description (Declaration of Contents) for the Industry Survey available on Statistics Denmark's homepage, [www.dst.dk](http://www.dst.dk), in the English version under "Guide to Statistics".

The *Declaration of Contents* covers the following headlines:

- Administrative information
- (e.g. responsible person, purpose and history, response burden, EU)
- Contents
- (e.g. description of contents , statistical concepts)
- Time
- (e.g. reference period, punctuality, frequency)
- Accuracy
- (e.g. overall accuracy, sources of inaccuracy)
- Comparability
- (e.g. comparability over time, comparability with other statistics)
- Accessibility
- (e.g. forms of dissemination, other information)

### **4.5. StatBank Denmark**

*StatBank Denmark* on Internet was established early 2001. The databank covers all principal statistics.

In the original version the databank is in Danish, *Danmarks Statistikbank*. But it has been decided to translate the contents into English in a ongoing process which is planned to be finalised by end 2003.

Updated statistics are available in *StatBank Denmark* the same day as the News from statistics Denmark is published, at 9.30.

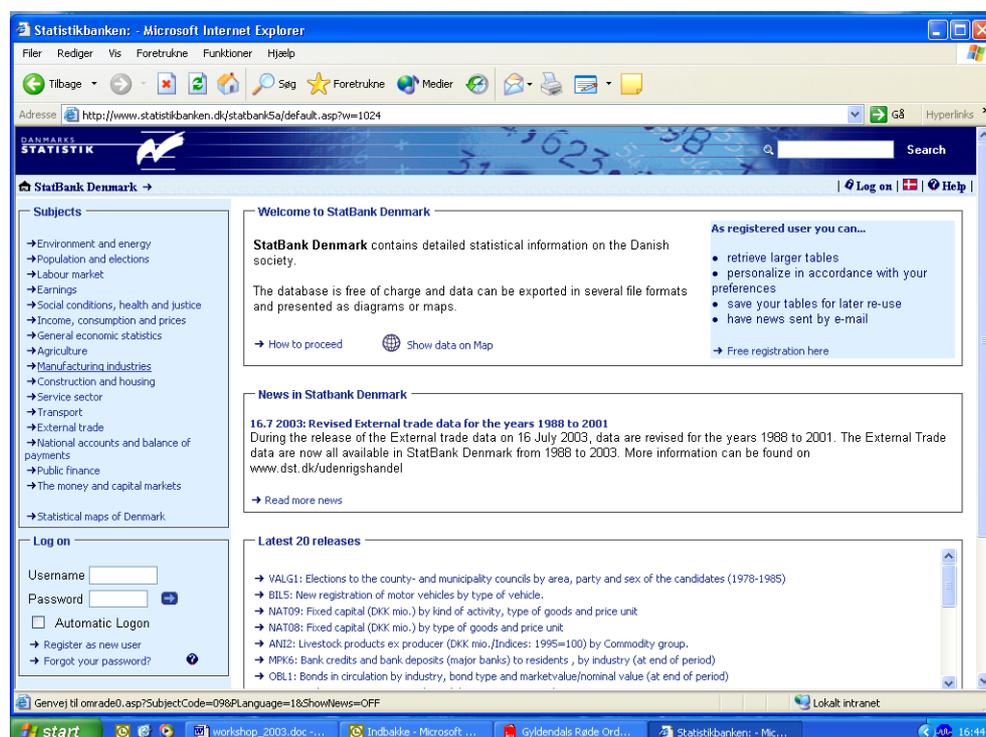
Results of the Industry Survey is already available in English. The level of detail is similar to the level in *Statistical News*.

The questions in the survey are a mixture of monthly and quarterly questions and data are organised correspondingly. Since monthly questions are also quarterly questions in January, April, July and October in the databank these results (e.g. production) are represented in two "tables" with identical data.

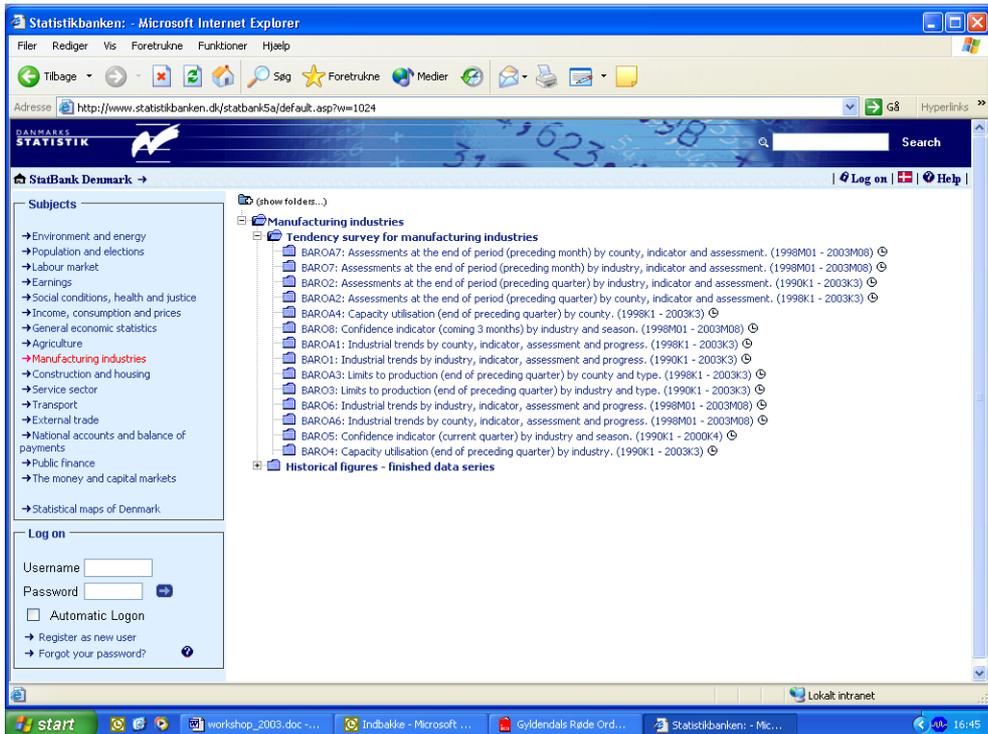
Since the introduction of Statbank Denmark it has developed into being the main dissemination channel, notably for regular users of statistics and in particular users of short term statistics.

## 4.6. Industry Survey. StatBank Denmark. Examples

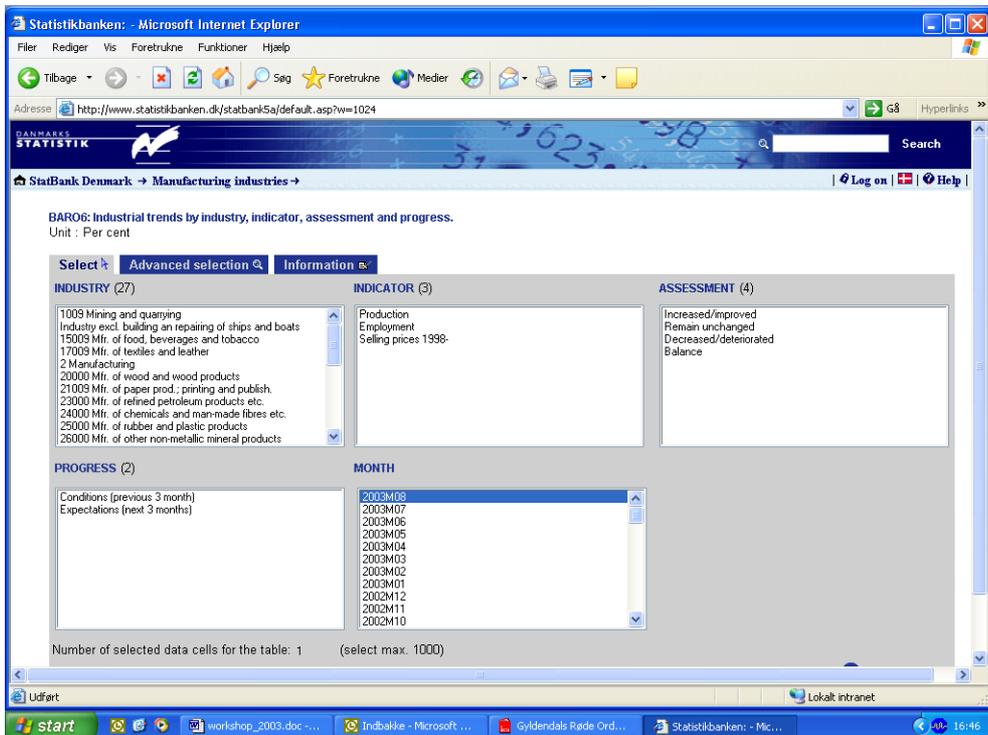
### 4.6.1. User interface in general



### 4.6.2. User interface. Manufacturing industries



#### 4.6.3. BARO6 (Monthly questions)



#### 4.6.4. BARO8 (Monthly confidence indicator)

Statistikbanken - Microsoft Internet Explorer

Adresse: <http://www.statistikbanken.dk/statbank5a/default.asp?w=1024>

DANMARKS STATISTIK

StatBank Denmark → Manufacturing industries →

BAR08: Confidence indicator (coming 3 months) by industry and season.  
Unit: Per cent

Select | Advanced selection | Information

INDUSTRY (1)	SEASON (2)	MONTH
Quarrying and manufacturing	non-seasonally adjusted seasonally adjusted	2003M02 2003M07 2003M06 2003M05 2003M04 2003M03 2003M02 2003M01 2002M12 2002M11 2002M10 2002M09 2002M08 2002M07 2002M06 2002M05 2002M04 2002M03 2002M02

Number of selected data cells for the table: 1 (select max. 1000)

SHOW TABLE

12-9-2003 Statistics Denmark, Statbank.dk/BAR08

#### 4.6.5. BARO3 (Quarterly question: limits to production)

Statistikbanken - Microsoft Internet Explorer

Adresse: <http://www.statistikbanken.dk/statbank5a/default.asp?w=1024>

DANMARKS STATISTIK

StatBank Denmark → Manufacturing industries →

BARO3: Limits to production (end of preceding quarter) by industry and type.  
Unit: Per cent

Select | Advanced selection | Information

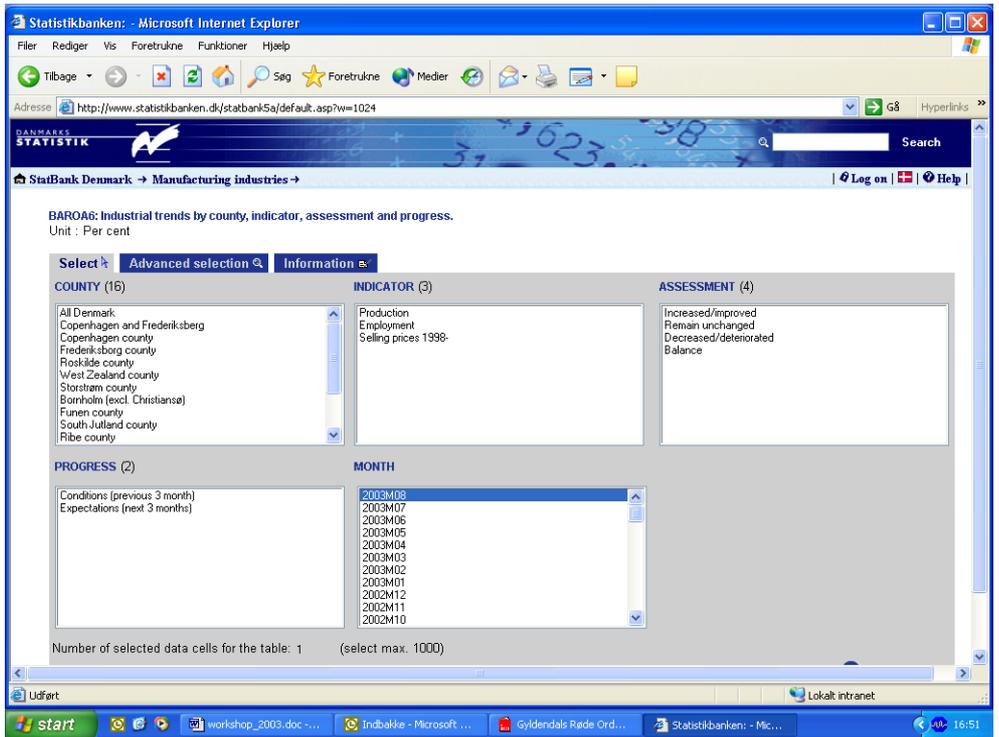
INDUSTRY (27)	TYPE (6)	QUARTER
1009 Mining and quarrying Industry excl. building or repairing of ships and boats 15009 Mfr. of food, beverages and tobacco 17009 Mfr. of textiles and leather 2 Manufacturing 20000 Mfr. of wood and wood products 21009 Mfr. of paper prod., printing and publish. 23000 Mfr. of refined petroleum products etc. 24000 Mfr. of chemicals and man-made fibres etc. 25000 Mfr. of rubber and plastic products 26000 Mfr. of other non-metallic mineral products Mfr. of basic metals andFabr. metal prod. excl. building an 2709 Mfr. of basic metals andFabr. metal prod. 27009 Mfr. and processing of basic metals 29000 Mfr. of machinery and equipment n.e.c. 30009 Mfr. of electrical and optical equipment Building or repairing of ships and boats Mfr. of transport equipment, excl. ships 36000 Mfr. of furniture; manufacturing n.e.c.	Other factors No limitations Shortage of manpower Insufficient capacity Insufficient demand Financial constraints (July 2003)	2003Q3 2003Q2 2003Q1 2002Q4 2002Q3 2002Q2 2002Q1 2001Q4 2001Q3 2001Q2 2001Q1 2000Q4 2000Q3 2000Q2 2000Q1 1999Q4 1999Q3 1999Q2 1999Q1

Number of selected data cells for the table: 1 (select max. 1000)

SHOW TABLE

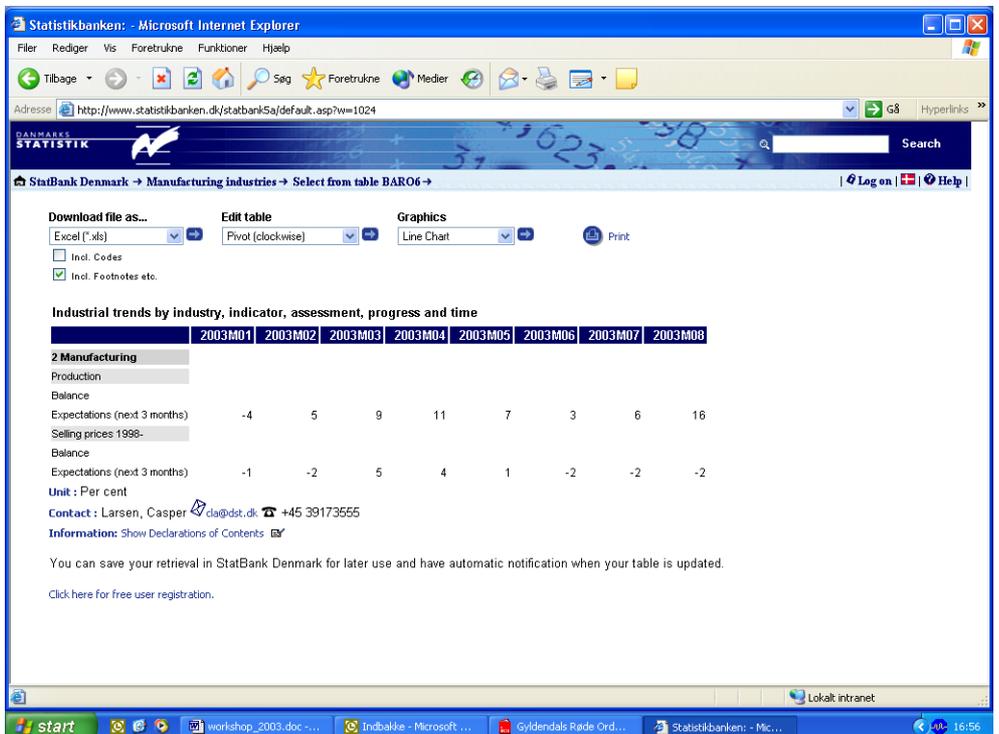
12-9-2003 Statistics Denmark, Statbank.dk/BARO3

#### 4.6.6. BARO6 (BARO6 results for total mining and quarrying by counties)

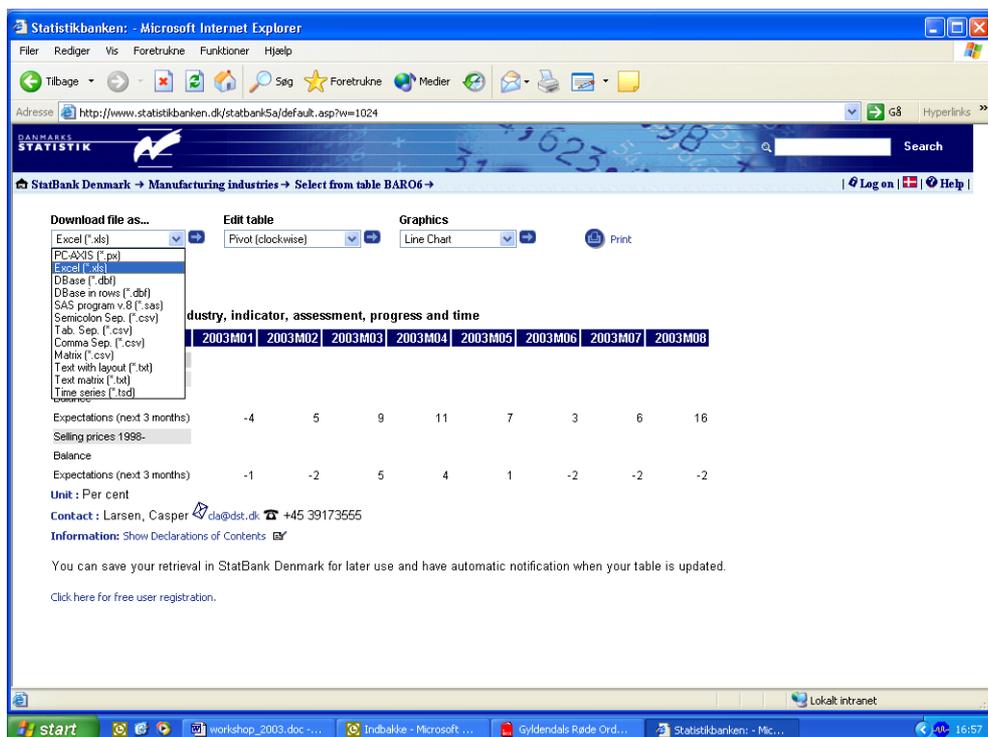


## 4.6.7. Output from StatBank Denmark

### 4.6.7.1. BARO6



### 4.6.7.2. Download facilities



#### 4.7. Plans for changes

There are no actual plans for changes in the dissemination forms described.

Regarding the Industry Survey results, so far only the confidence indicator has been available adjusted for seasonal variation.

During autumn 2003 it is the plan to test carefully whether the balance figures for the detailed questions in the survey are suitable for this transformation. The test will be based on X-12 Arima//Demetra.

By default the question regarding "limits to production" will be excluded from the analysis since the seasonally adjusted distribution among factors will make no sense for users.

The analysis will focus on each question in the Industry Survey and on the level of detail in the activity classification, NACE Rev. 1.1.

The very first provisional results of the analysis indicates that a vast majority of the balance figure series are accepted as having stable and significant seasonal variation patterns.

The first tests were run for the Industry total and for the most detailed levels of NACE. It indicates significant results for the total but not for the detailed levels. Further careful tests will be performed for the levels corresponding to MIGS since this level is of great importance to the users of the Industry Survey. It is expected that the analysis will be finished by the end of the year and that the conclusions will have an impact on the results disseminated already for the January 2004 survey.