

Joint FAO/UNECE Working party On Forest Economics and Statistics  
28<sup>th</sup> session, Geneva, 2-4 May 2006  
Agenda Item 6 **Dissemination of outputs**

## Findings from FAOSTAT log analysis

FAOSTAT-Forestry log analysis was carried out within the framework of autoevaluation of FAO's programme entity PE 242 P1 "Forest Products Information" in 2005. This paper also responds to the request by ECE to FAO during 18<sup>th</sup> Meeting of Intersecretariat Working Group on Forest Sector Statistics held in Rome (January 2005).

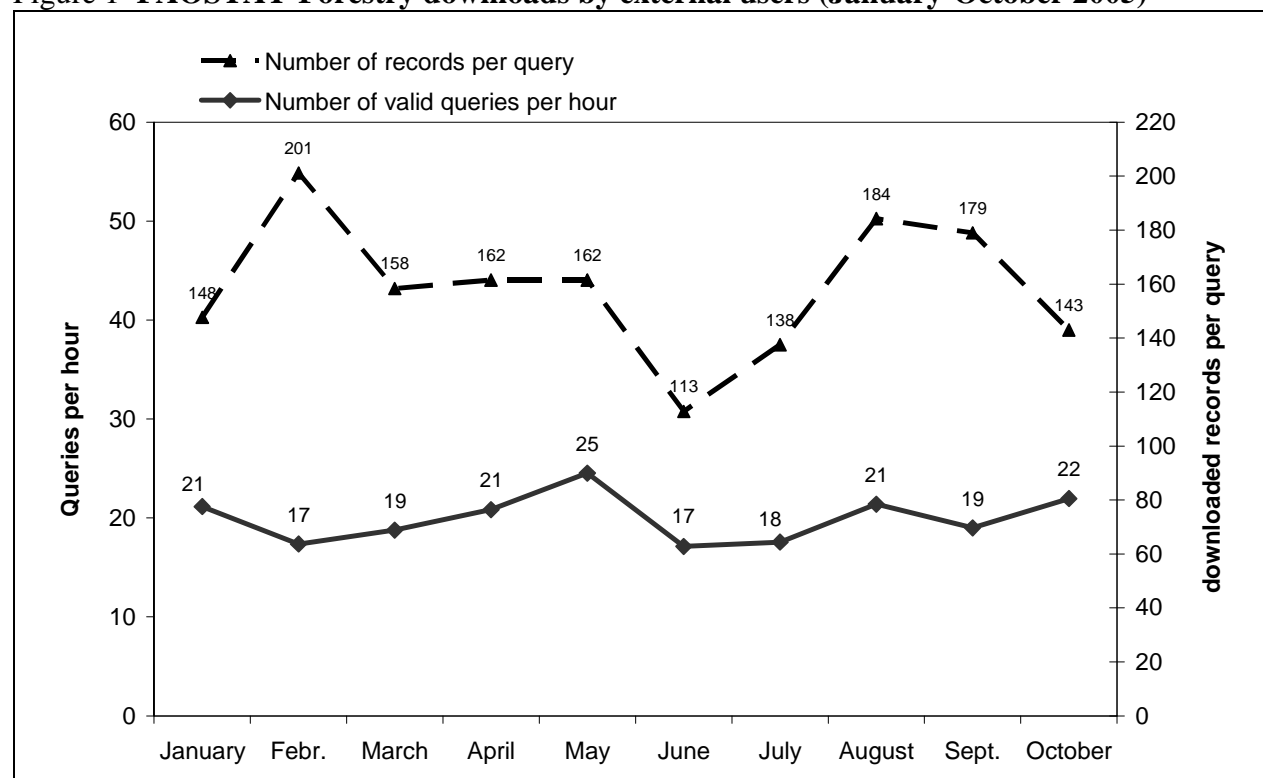
FAO Forest Economics Service staff expresses their appreciation to colleagues from UNECE, Alex McCusker, Florian Steierer and Matthias Wilnhammer who did most of the work in transforming and analysing huge log files.

Analysis covers downloads by external users during January-October 2005.

### Main findings

The figure bellow tells that every 3 minutes somebody is downloading forestry statistics from FAOSTAT online database, and this usage intensity remains quite stable every month. However average number of downloaded records<sup>1</sup> per query jumped steeply in February and August when fresh data was uploaded.

Figure 1 FAOSTAT-Forestry downloads by external users (January-October 2005)



<sup>1</sup> 1 record = 1 country + 1 item(product) + 1 year + 1 element (production, export or import)

The audience of FAOSTAT primary users is really worldwide – queries originated from almost 8000 users (IP addresses) from 131 countries. About two thirds of users are from Europe and North America, and nearly one third com from Asia and South America. Only 5% of users are from Oceania and Africa (*for details see Annex 1*).

It was possible to identify only 25% of IP addresses to the entity (organization) level, the remaining 75% user category is unknown (*see Annex 2*). Figures about those identified ¼ of users sound quite impressive, because to each figure “more than” must be added:

- 772 research or education institutions from 84 countries
- 448 private sector entities (230 manufacturers and traders, 99 consultants, 104 finance companies, 32 NGOs, 23 media) from 53 countries
- 155 public sector entities from 50 countries
- 22 international organizations

Annex 3 lists the countries which statistics are downloaded mostly. Each partner organization (FAO, ECE, EUROSTAT, ITTO) should focus on producing consistent statistics and estimates for each product in these countries. Listed countries altogether account for more than 92% of global wood products production and consumption (except woodfuel).

Annex 4 provides detailed analysis of FAOSTAT logs by month. The only correction to that analysis is on the question “What is of greater interest, country or product?” (Annex says that country). Deeper analysis considering the multiplying factor, i.e. when users had query with “show all” option proved that users download 1 product for 3 countries on average.

## **Conclusion**

Analysis shows that FAOSTAT forestry data are widely used; minimum 8000 primary users download the data annually. Definitely the total number of users (including secondary users) is far bigger, as questionnaire survey showed that 2/3 of users have ever quoted FAOSTAT statistics. The total ‘reach’ of FAOSTAT-Forestry statistics across all media is unknown; it is likely that the reach is double or triple than the number of primary users. The biggest primary audience of FAOSTAT data is education and research institutions (perhaps mostly students), followed by the private sector.

## ANNEX 1 FAOSTAT-Forestry external users (IP addresses) by country (January-October 2005)

Mali	2		
Mauritania	2		
Niger	1		
West Sahelian Africa	5		
Ethiopia	10		
Kenya	9		
Sudan	2		
East Sahelian Africa	21		
Benin	3		
Côte d'Ivoire	6		
Ghana	1		
Nigeria	4		
Sierra Leone	1		
West Moist Africa	15		
Cameroon	4		
Congo, Democratic Republic	1		
Congo, Republic of	1		
Gabon	3		
Uganda	2		
Central Africa	11		
Angola	1		
Malawi	1		
Mozambique	3		
United Republic of Tanzania	2		
Zimbabwe	1		
Tropical Southern Africa	8		
Madagascar	3		
Mauritius	3		
Seychelles	1		
Insular East Africa	7		
Total: Tropical Africa	67		
Algeria	4		
Egypt	16		
Morocco	16		
Tunisia	10		
North Africa	46		
South Africa	17		
Temperate Southern Africa	17		
Total: Temperate Africa	63		
<b>Total: Africa</b>	<b>130</b>		
India	113		
Nepal	1		
Pakistan	10		
Sri Lanka	11		
South Asia	135		
Cambodia	3		
Laos	5		
Myanmar	1		
Thailand	46		
Viet Nam	19		
Continental Southeast Asia	74		
Brunei Darussalam	1		
Indonesia	73		
Malaysia	56		
Philippines	25		
Singapore	46		
Insular Southeast Asia	201		
Total: Tropical Asia	410		
Armenia	1		
Cyprus	2		
Georgia	6		
Iran (Islamic Republic of)	67		
Israel	9		
Jordan	1		
Kazakhstan	5		
Kuwait	2		
Lebanon	4		
Oman	1		
Qatar	1		
Saudi Arabia	8		
Syrian Arab Republic	1		
Turkey	57		
United Arab Emirates	13		
Uzbekistan	2		
Western and Central Asia	180		
China	239		
Japan	349		
Republic of Korea	56		
East Asia	644		
Total: Temperate Asia	824		
<b>Total: Asia</b>	<b>1,234</b>		
Fiji	2		
New Caledonia	1		
Papua New Guinea	1		
Solomon Islands	1		
Total: Tropical Oceania	5		
Australia	160		
New Zealand	71		
Total: Temperate Oceania	231		
<b>Total: Oceania</b>	<b>236</b>		
Finland	342		
Norway	37		
Sweden	158		
Northern Europe	537		
Austria	133		
Belgium	84		
Denmark	32		
France	322		
Germany	494		
Greece	54		
Ireland	14		
Italy	271		
Luxembourg	4		
Malta	2		
Netherlands	95		
Portugal	61		
Spain	187		
Switzerland	98		
United Kingdom	244		
Western Europe	2,095		
Belarus	5		
Bosnia and Herzegovina	3		
Bulgaria	22		
Croatia	12		
Czech Republic	57		
Estonia	48		
Hungary	30		
Latvia	17		
Lithuania	9		
Poland	88		
Romania	31		
Russian Federation	235		
Slovakia	88		
Slovenia	24		
TFYR Macedonia	1		
Ukraine	35		
Serbia and Montenegro	24		
Eastern Europe	729		
<b>Total: Europe</b>	<b>3,361</b>		
Canada	384		
United States	1,175		
Total: Temperate North and Central America	1,559		
Costa Rica	16		
El Salvador	7		
Guatemala	9		
Honduras	3		
Mexico	148		
Nicaragua	9		
Panama	4		
Central America and Mexico	196		
Barbados	1		
Cuba	5		
Dominica	1		
Dominican Republic	2		
Jamaica	3		
Puerto Rico	1		
Trinidad and Tobago	3		
Caribbean	16		
Total: Tropical North and Central America	212		
<b>Total: North and Central America</b>	<b>1,771</b>		
Bolivia	25		
Brazil	292		
Colombia	120		
Ecuador	20		
Guyana	3		
Paraguay	1		
Peru	149		
Suriname	1		
Venezuela	29		
Total: Tropical South America	640		
Argentina	106		
Chile	207		
Uruguay	38		
Total: Temperate South America	351		
<b>Total: South America</b>	<b>991</b>		
	<b>No. of users</b>	<b>No. of countries</b>	
<b>Africa</b>	<b>130</b>	2%	<b>29</b>
<b>North and Central America</b>	<b>1,771</b>	23%	<b>16</b>
<b>South America</b>	<b>991</b>	13%	<b>12</b>
<b>Asia</b>	<b>1,234</b>	16%	<b>33</b>
<b>Europe</b>	<b>3,361</b>	44%	<b>35</b>
<b>Oceania</b>	<b>236</b>	3%	<b>6</b>
<b>TOTAL</b>	<b>7,723</b>		<b>131</b>
- tropical countries	1,334	17%	65
- temperate countries	6,389	83%	66

## ANNEX 2 Identified FAOSTAT-Forestry external users by category (January-October 2005)

	TOTAL in 10 months										AVERAGE PER MONTH				AVERAGE PER DAY			
	No. of countries	No. of entities (organizations, companies)	No. of IP addresses	No. of queries	No. of records	Avg. No. of queries per entity	Avg. No. of queries per IP	Avg. No. of records per IP	Avg. No. of records per query	No. of entities (organizations, companies)	No. of IP addresses	No. of queries	No. of records	No. of entities (organizations, companies)	No. of IP addresses	No. of queries	No. of records	
<b>1. Education, research orgs.</b>	84	772	1,940	40,902	8,436,655	53	21	4,349	206	77	194	4,090	843,666	3	6	136	28,122	
<b>2. Private sector</b>	53	488	614	17,538	3,324,330	36	29	5,414	190	49	61	1,754	332,433	2	2	58	11,081	
2.1 Business (manufacturers, traders, etc.)	41	230	275	8,749	1,740,998	38	32	6,331	199	23	28	875	174,100	1	1	29	5,803	
2.2 Consultants	26	99	122	5,316	992,970	54	44	8,139	187	10	12	532	99,297	0.3	0.4	18	3,310	
2.3 Financial (banks, etc.)	35	104	153	2,576	442,105	25	17	2,890	172	10	15	258	44,211	0.3	1	9	1,474	
2.4 NGOs	17	32	38	737	130,699	23	19	3,439	177	3	4	74	13,070	0.1	0.1	2	436	
2.5 Media	17	23	26	160	17,558	7	6	675	110	2	3	16	1,756	0.1	0.1	1	59	
<b>3. Public sector</b>	50	155	261	9,109	1,635,191	59	35	6,265	180	16	26	911	163,519	1	1	30	5,451	
<b>4. International orgs.</b>	15	22	34	999	228,637	45	29	6,725	229	2	3	100	22,864	0.1	0.1	3	762	
<b>5. ??? unidentified</b>	122	...	4,874	76,316	13,959,626	...	16	2,864	183	...	487	7,632	1,395,963	...	16	254	46,532	
<b>Total all</b>	131	>1437	7,723	144,864	27,584,439	...	19	3,572	190	...	772	14,486	2,758,444	...	26	541	103,029	

**Note:** only 25% of IP addresses were identified to the entity level

### ANNEX 3 Mostly downloaded single country statistics by partner organisation responsible for JFSQ (January-October 2005)

<b>EUROSTAT:</b>	<b>Average number of queries per day</b>	<b>FAO HQ:</b>	<b>Average number of queries per day</b>	<b>ITTO:</b>	<b>Average number of queries per day</b>	<b>UNECE:</b>	<b>Average number of queries per day</b>
Germany	14	China	26	Brazil	21	United States	23
Finland	13	Chile	12	Japan	16	Russian Federation	19
Sweden	12	Australia	10	Indonesia	13	Canada	18
France	10	Republic of Korea	8	India	12	Turkey	7
Italy	9	Argentina	6	Malaysia	10	Romania	4
Austria	8	New Zealand	5	Mexico	9	Ukraine	4
Spain	8	Viet Nam	5	Colombia	8	Bulgaria	3
United Kingdom	7	Uruguay	4	Thailand	6	Belarus	3
Poland	7	Iran (Islamic Rep.)	4	Peru	5	Albania	2
Estonia	7	South Africa	3	Philippines	4	Kazakhstan	2
Norway	6	Singapore	3	Ecuador	4	Bosnia and Herzegovina	2
Slovenia	5	DPR Korea	3	Venezuela	3	Serbia and Montenegro	1
Denmark	5	Laos	2	Bolivia	3		
Belgium	5	Morocco	2	Cameroon	3		
Czech Republic	5	Afghanistan	2	Papua New Guinea	3		

**Note:** the number of queries in the table reflects the queries when country was selected, this number does not include queries when user requested regional totals with the option "show all".

## **Analysis of FAOSTAT logs**

By Florian Steierer, Matthias Wilnhammer and Alex McCusker  
December 2005

FAOSTAT sent us the log files of queries to FAOSTAT that involved the forest products database. I believe this excludes the trade flow database. We carried out an analysis to determine answers to questions on what were the most requested countries/products/years, on where the queries originated and general descriptive statistics of the records being downloaded.

We restricted the analysis to queries that actually produced a result (i.e. output records >0). FAOSTAT recommended that queries producing more than 5000 records should be ignored. Queries originating at FAO were ignored (starting with IP address 168.202).

In the month of September 2005 we had two "raids" on FAOSTAT, one from Uni-Hamburg with 75,000 queries in two days<sup>1</sup>, the other from British Columbia with 9,000 queries in one day. As these queries would have significantly skewed the results we did NOT include them.

The codes prefaced by "%3E" indicate a "show all components" (>) for regional or product aggregates. We converted this to a minus (-) so that, for example, the world code 862 would be -862 if the user requested to show all components.

We had a number of niggling problems which occasionally cause the queries evaluated to not be the same for all questions. If these problems were less than 1% we ignored them.

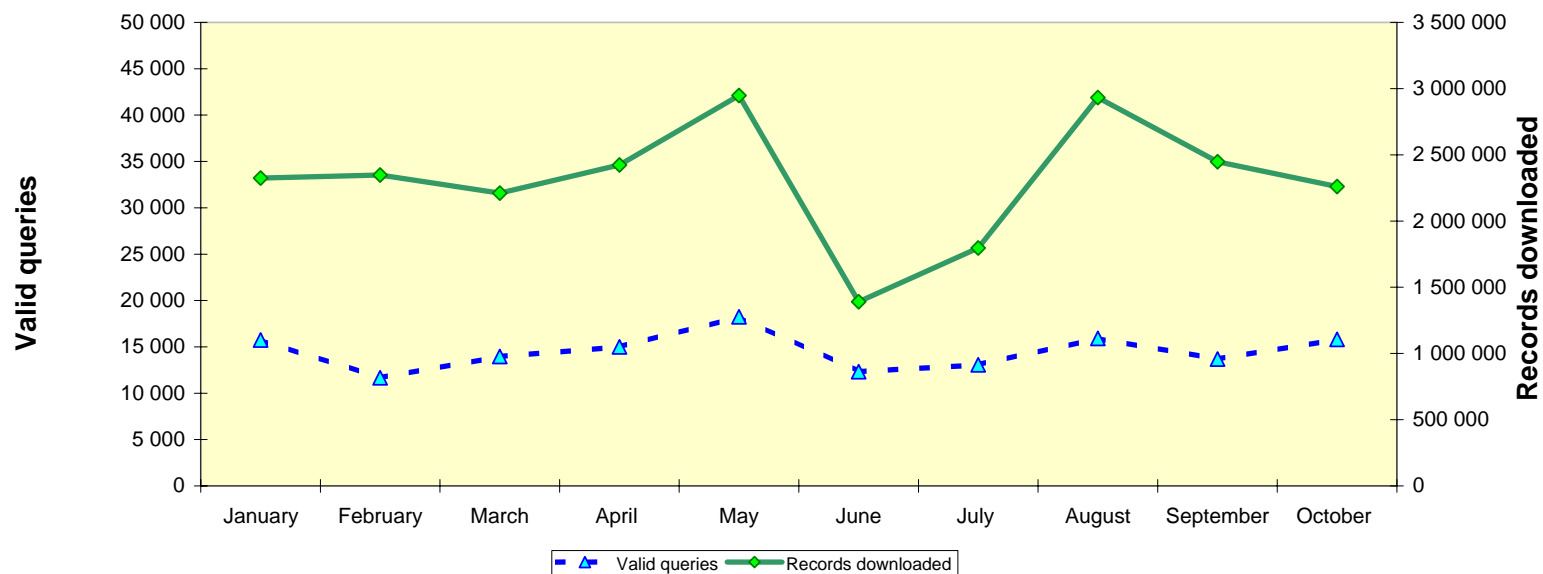
In a few cases we have had more than 250 country/regions being requested. The countries over 250 were not counted.

A technical problem is that our analysis depended on the items, areas, elements and years appearing in each query in the same order. This proved not to be the case so picking out the various parts of each query was made significantly more difficult.

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<sup>1</sup> The ability of FAOSTAT to keep the server operating under such a barrage is quite impressive

## FAO forestry-database Valid queries and records by month (2005)



	January	February	March	April	May	June	July	August	September	October	Average
Total Number of queries	17 660	13 204	15 987	15 308	20 946	13 643	14 957	20 780	15000*	18 709	16 619
Number of valid queries	15 738	11 667	13 960	15 005	18 251	12 327	13 060	15 914	13 678	15 808	14 541
Number of invalid queries	1 922	1 537	2 027	303	2 695	1 316	1 897	4 866	1 322	2 901	2 079
% of invalid queries	10.9%	11.6%	12.7%	2.0%	12.9%	9.6%	12.7%	23.4%	8.8%	15.5%	12.0%
Number of records/month	2 324 434	2 347 413	2 211 463	2 424 042	2 948 430	1 391 037	1 796 868	2 931 734	2 448 222	2 260 148	2 308 379

\*Note: 90 000 downloads from the University of Hamburg and over 9 000 downloads from the University of British Columbia were excluded (for details see explication in the september analysis).

### Top five IP per month:

January	February	March	April	May
Netherlands, Zvolen, University Russia, St. Petersburg Algeria Turkey, Ankara, University Japan, Tokyo, Network Center	Malaysia, Kuala Lumpur Brasil, Sao Paolo, pulp enterprise Colombia, Bogot, TV Cable S.A. Germany, Dusseldorf, Internet provider Estonia, Tallin, (Internetprovider)	Finland, Joensuu, EFI Japan, Tokyo, Ministry of Agriculture Kazachstan, Almaty, Center for Marketing France, Paris, Credit Agricole USA, Washington, The World Bank Group	Poland, Warszawa, Internetprovider Czech Republic, Brno Peru, Lima South Korea, Seoul China, Zhejiang university	Jakarta, Indonesia Helsinki University of Technology, FINLAND Melbourne, Victoria, Australia Colombia, Bogota Japan, Tokyo, Ministry of Agriculture
June	July	August	September	October
South Korea, Seoul Japan, Tokyo, Ministry Tallinn, Estonia Taiwan, Taipei, Ministry Finland, (Consultanty)	Canada, University of British Columbia Rabat, Marocco South Korea, Government computer India, Bombay U.S.	Canada, University of British Columbia Germany, Kassel University Slovakia, Zvolen, Technical University Finland, Joensuu, Carelian Polytechnic Sweden, Mittuniversitetet	Canada, University of British Columbia Malaysia, Kuala Lumpur, Technology Park USA, Denver, Internet provider France, Paris Usa, Investment enterprise	Finland, Joensuu, Carelian Polytechnic Finland, Oulu, Chemopolis Oy Japan, Tokyo, Ministry of Agriculture Finland, Espoo, Finnish University Sweden, provider

1. How many records are being retrieved in the average query?
2. How many countries are being retrieved in the average query?
3. How many products are being retrieved in the average query?
4. What are the top five products/countries/flows being looked for?
5. How important is the ECE region in FAOSTAT?
6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?
7. How many total queries are there? How many total records downloaded? What are monthly trends? How many null or bad queries were there?
8. Where do queries come from? Who is asking? How concentrated are the queries from one source?

= by month

**Where did the requests come from?**

% of total	Location
6.0%	Technical University, Zvolen
5.1%	St. Petersburg
3.1%	Algeria
1.6%	Middle East Technical University, Ankara Turkey
1.5%	Japan Network Information Center, Tokyo

**1. How many records are being retrieved in the average query?**

Record count/query	Queries	% of total
1	5 030	32.0%
>10	7 910	50.3%
>50	4 351	27.6%
>100	3 354	21.3%
>500	1 277	8.1%
>1000	615	3.9%

Query count - total	15 738
Records total	2324434

# in average	147.7
Median	11.0
Standard deviation	418.0

**2. How many countries are being retrieved in the average query?**

Country/query	Queries	% of total
1	13856	88.0%
>1	1881	12.0%
>5	1025	6.5%
>10	389	2.5%
>20	172	1.1%

29285	total countries requested
1.86	average countries requested per query

**3. How many products are being retrieved in the average query?**

Products/query	Queries	% of total
1	13 047	82.9%
>1	2 691	17.1%
>5	803	5.1%
>10	406	2.6%
>20	269	1.7%

35368	total products requested
2.2	average products requested per query

**4. What are the top five products/countries/flows being looked for?**

**Products**

Name	Queries	% of total
1 Plywood	1513	4.3%
2 ROUNDWOOD	1191	3.4%
3 Particle Board	1129	3.2%
4 SAWNWOOD	1089	3.1%
5 INDUSTRIAL ROUNDWOOD(C)	978	2.8%
6 INDUSTRIAL ROUNDWOOD	917	2.6%
7 FIBREBOARD	912	2.6%
8 MDF	907	2.6%
9 INDUSTRIAL ROUNDWOOD(NC)	856	2.4%
10 FOREST PRODUCTS	841	2.4%
<b>Top Ten total</b>	<b>29.2%</b>	

Roundwood, Sawnwood, Woodbased Panels	61.3%	Single items
	14.0%	Aggregated and showing all subtitles
Pulp, paper and paperboard	21.7%	Single items
	2.9%	Aggregated and showing all subtitles

**Areas (all)**

Area/County	Queries	% top ten	% of total
1. World	1889	21.1%	6.5%
2. China	1016	11.4%	3.5%
3. USA	999	11.2%	3.4%
4. World	907	10.1%	3.1%
5. Russian Fed	809	9.0%	2.8%
6. Germany	773	8.6%	2.6%
7. Sweden	721	8.1%	2.5%
8. Canada	632	7.1%	2.2%
9. Europe	608	6.8%	2.1%
10. India	592	6.6%	2.0%
<b>Top Ten total</b>	<b>8946</b>	<b>100.0%</b>	<b>30.5%</b>

**Areas (ECE)**

Area/Cour	Queries	% of total
1. USA	999	3.4%
2. Russian Fe	809	2.8%
3. Germany	773	2.6%
4. Sweden	721	2.5%
5. Canada	632	2.2%
6. Europe	608	2.1%
7. Poland	573	2.0%
8. Turkey	551	1.9%
9. France	455	1.6%
10. Europe	325	1.1%
<b>Top Ten (%)</b>	<b>6446</b>	<b>22.0%</b>

50.8 % of the top ten countries requested concerned the region of the ECE



## Flows

Flows	Queries	% of total
1. PRODUCTION	10362	41.7%
2. IMPORTS (Quantity)	4738	19.1%
3. EXPORTS (Quantity)	4644	18.7%
4. EXPORTS (Value)	2558	10.3%
5. IMPORTS (Value)	2523	10.2%

6446 0.220113

Flows/Query	Queries	% of total
1	12382	78.7%
5	1432	9.1%
3	1035	6.6%
2	687	4.4%
4	201	1.3%

### 5 How important is the ECE region in FAOSTAT?

26102	total countries requested
10489	Number of ECE regions requested
40.2%	% of valid request with focus on the ECE region

### 6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages? How many null or bad queries were there?

The average query asked for 1.66 countries and for 2.2 products.

In a first estimation it can be said that there are more requests for products per country than a comparison of one product in different countries.

### 7. How many total queries are there? How many total records downloaded? What are monthly trends?

#### Total downloads reported by the FAO:

17660	Total Number of queries
1922	Number of invalid records (<1 and >5000)
15738	Number of valid queries

1/3 of the queries demanded a very simple information with one record per query.

50% of the queries requested demanded more than 10 records and another 1/3 has more than 100 records per query.

Monthly trends will follow

### 8. Are we looking at recent years or history? How many years are requested?

119126	total Years requested
7.57	average years requested per query
1.00	Median

It is not surprising that the most recent years are of biggest interest. The last five years made up 28 % of the total years requested.

In average 7,57 years were considered. This figure doesn't reflect, that 63% of the queries demanded only for one year.

The number of the average countries per request is influenced by the fairly high number of requests over the whole periode (43 years).

The years ending in "ten" are looked up slightly more often than other years.

Year	Importance
2003	9.5%
2002	5.5%
2000	4.8%
2001	4.7%
1999	3.9%
1998	3.5%

Number of years requested per query	Importance
1	63.1%
43	10.2%
5	3.2%
4	3.0%
3	2.6%

# Analysis of FAOSTAT log

February 2005

- How many records are being retrieved in the average query?
- How many countries are being retrieved in the average query?
- How many products are being retrieved in the average query?
- What are the top five products/countries/flows being looked for?
- How important is the ECE region in FAOSTAT?
- What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?
- How many total queries are there? How many total records downloaded? What are monthly trends? How many null or bad queries were there?
- Where do queries come from? Who is asking? How concentrated are the queries from one source?

= by month

## Where did the requests come from?

% of total	Location
11.8%	Kuala Lumpur, Malaysia
5.0%	VOTORANTIM CELULOSE E PAPEL S/A , Sao Paulo
4.1%	Bogotá, TV Cable S.A. Static IP Block
3.3%	freenet germany, Düsseldorf
2.6%	Elion Enterprises Ltd., Tallin, Estonia

## 1. How many records are being retrieved in the average query?

Record count/query	Queries	% of total
1	3 161	27.1%
>10	5 770	49.5%
>50	3 614	31.0%
>100	2 619	22.4%
>500	1 303	11.2%
>1000	847	7.3%

Query count - total	11 667
Records total	2 347 413

# in average	201.2
Median	10.0
Standard deviation	518.2

## 2. How many countries are being retrieved in the average query?

Country/query	Queries	% of total
1	10 581	90.6%
>1	1 083	9.3%
>5	640	5.5%
>10	451	3.9%
>20	39	0.3%

19 925	total countries requested
1.71	average countries requested per query

## 3. How many products are being retrieved in the average query?

Products/query	Queries	% of total
1	9 984	85.5%
>1	1 681	14.4%
>5	903	7.7%
>10	236	2.0%
>20	144	1.2%

25 491	total products requested
2.18	average products requested per query

## 4. What are the top ten products/countries/flows being looked for?

### Products

Name	Queries	% of total
1 Plywood	1 189	4.7%
2 PULP FOR PAPER	1 076	4.2%
3 SAWNWOOD	772	3.0%
4 ROUNDWOOD	769	3.0%
5 PAPER AND PAPERBOARD	727	2.9%
6 INDUSTRIAL ROUNDWOOD	582	2.3%
7 FOREST PRODUCTS	572	2.2%
8 WOOD FUEL	571	2.2%
9 Sawnwood (C)	566	2.2%
10 FOREST PRODUCTS	507	2.0%
<b>Top Ten total</b>	<b>28.8%</b>	

Roundwood, Sawnwood, Woodbased Panels	
13 448	52.8% All items
4 039	15.8% Aggregated and showing all subitems
Pulp, paper and paperboard	
6 725	26.4% All items
1 490	5.8% Aggregated and showing all subitems

### Areas (all)

Area/County	Country code	Queries	% top ten	% of total
1. WORLD	862	1 377	17.9%	6.9%
2. WORLD	-862	1 134	14.7%	5.7%
3. China	351	837	10.9%	4.2%
4. ASIA	860	742	9.6%	3.7%
5. AFRICA	359	729	9.5%	3.7%
6. Japan	110	690	9.0%	3.5%
7. India	100	651	8.5%	3.3%
8. SOUTH AMERICA	318	563	7.3%	2.8%
9. OCEANIA	339	493	6.4%	2.5%
10. NORTH & CENTRAL AMERICA	336	480	6.2%	2.4%
<b>Top Ten total</b>		<b>7696</b>	<b>100.0%</b>	<b>30.5%</b>

### Areas (ECE)

Area/County	Countrycode	Queries	% of total
1. N C America	336	480	2.4%
2. W Europe	303	435	2.2%
3. E Europe	334	421	2.1%
4. Russian Fed	185	360	1.8%
5. Europe	361	288	1.4%
6. Finland	67	286	1.4%
7. Germany	79	277	1.4%
8. Sweden	210	229	1.1%
9. Canada	33	201	1.0%
10. Norway	162	176	0.9%
<b>Top Ten (% of total countries)</b>		<b>6446</b>	<b>15.8%</b>

## Flows

Flows	Code	Queries	% of total	Elements per Query	Queries	% of total
1. PRODUCTION	51	6 284	36.6%	1	9 730	83.3%
2. EXPORTS (Quantity)	91	3 214	18.7%	5	963	8.2%
3. IMPORTS (Quantity)	61	3 211	18.7%	3	459	3.9%
4. EXPORTS (Value)	92	2 457	14.3%	2	403	3.5%
5. IMPORTS (Value)	62	2 009	11.7%	4	112	1.0%
		17 175				

## 5 How important is the ECE region in FAOSTAT?

19925 total countries requested  
 6762 Number of ECE regions requested (includes Eurostat)  
 33.9% % of valid request with focus on the ECE region

Countries queried by collecting agency

5.a	7 495	41.6%	Mixed
	4 091	22.7%	FAO
	3 464	19.2%	EUROSTAT
	2 956	16.4%	ITTO
	1 915	10.6%	ECE
	19 921		

## 6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages? How many null or bad queries were there?

The average query asked for 1.71 countries and for 2.18 products.  
 In a first estimation it can be said that there are more requests for products per country than a comparison of one product in different countries.

## 7. How many total queries are there? How many total records downloaded? What are monthly trends?

### Total downloads reported by the FAO:

13 214 Total Number of queries  
 1 537 Number of invalid records (<1 and >5000)

11 677 Number of valid queries

2 347 413 Number of records downloaded

27 % of the queries demanded a very simple information with one record per query.  
 50% of the queries requested demanded more than 10 records and more than 22 % had more than 100 records per query.

## 8. Are we looking at recent years or history? How many years are requested?

74 597	total Years requested
6.39	average years requested per query
1.00	Median

It is not surprising that the most recent years are of biggest interest. The last five years made up 28 % of the total years requested.  
 In average 6.39 years were considered. This figure doesn't reflect, that 63% of the queries demanded only for one year.

Year	Score	Importance
2003	7966	0.10678714
2002	4 776	0.06402402
2001	4 426	0.05933214
2000	4 354	0.05836696
1999	3 870	0.05187876

Number of years requested per query	Counts	Importance
1	6690	57.3%
14	610	5.2%
5	521	4.5%
43 (all years)	450	3.9%
6	428	3.7%

1. How many records are being retrieved in the average query?
2. How many countries are being retrieved in the average query?
3. How many products are being retrieved in the average query?
4. What are the top five products/countries/flows being looked for?
5. How important is the ECE region in FAOSTAT?
6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?
7. How many total queries are there? How many total records downloaded? What are monthly trends? How many null or bad queries were there?
8. Where do queries come from? Who is asking? How concentrated are the queries from one source?

**Where did the requests come from?**

% of total	Location
4.60	EFI European Forestry Institute (Joensuu/FI)
2.30	Ministry of Agriculture, Forestry and Fisheries, Tokyo
2.20	CENTER FOR MARKETING & ANALYTICAL RESEARCH
1.20	CNCA - Caisse Nationale de Credit Agricole
1.00	The World Bank Group, Washington
11.30	

No of records returned/query

**1. How many records are being retrieved in the average query?**

Record count/query	Queries	%	
1	3 344	23.98%	
2-10	2 846	20.38%	158.41 Average
11-100	4 355	31.19%	17 Median
101-1000	2 814	20.15%	427.41 standard deviation
>1000	601	4.30%	
<b>Total</b>	<b>13 960</b>	<b>100.00%</b>	

**How many total records were downloaded**

2 211 463

**2. How many countries are being retrieved in the average query?**

**Which countries are most frequently requested?**

Country-region/query	Queries	% of total	
1	12 508	89.60%	
2-5	768	5.50%	
6-10	342	2.45%	29 638 total countries requested
11-20	126	0.90%	2.12 average countries requested per query
>20	216	1.55%	
<b>Total</b>	<b>13 960</b>	<b>100.00%</b>	

Countries - top ten World	Code	# request	% top ten	% of total
World	862	1 658	22.34%	5.59%
World	-862	1 082	14.58%	3.65%
Brazil	21	800	10.78%	2.70%
USA	231	621	8.37%	2.10%
Russian Fed	185	619	8.34%	2.09%
Chile	40	607	8.18%	2.05%
China	351	546	7.36%	1.84%
Africa	359	520	7.01%	1.75%
Canada	33	512	6.90%	1.73%
Finland	67	456	6.14%	1.54%
<b>Total Top Ten World</b>		<b>7 421</b>	<b>100%</b>	<b>25%</b>

Countries - top ten ECE	Code	# request	% top ten	% of total
USA	231	621	22.66%	2.10%
Russian Fed	185	619	22.59%	2.09%
Canada	33	512	18.69%	1.73%
Romania	183	183	6.68%	0.62%
Belgium	255	165	6.02%	0.56%
Bulgaria	27	143	5.22%	0.48%
N Amer Dvypd	302	136	4.96%	0.46%
Ukraine	230	128	4.67%	0.43%
Turkey	223	122	4.45%	0.41%
Belarus	57	111	4.05%	0.37%
<b>Total Top Ten ECE</b>		<b>2 740</b>	<b>100%</b>	<b>9%</b>

Countries - top ten EUROSTAT	Code	# request	% top ten	% of total
Finland	67	456	14.63%	1.54%
Italy	106	454	14.57%	1.53%
Sweden	210	394	12.64%	1.33%
Germany	79	376	12.07%	1.27%
France	68	313	10.04%	1.06%
Norway	162	235	7.54%	0.79%
Austria	11	228	7.32%	0.77%
UK	229	221	7.09%	0.75%
Spain	203	220	7.06%	0.74%
Czech Rep	167	219	7.03%	0.74%
<b>Total Top Ten EUROSTAT</b>		<b>3 116</b>	<b>100%</b>	<b>10.51%</b>

Countries - top ten FAO	Code	# request	% top ten	% of total
Chile	40	607	19.96%	2.05%
China	351	546	17.95%	1.84%
Japan	110	443	14.57%	1.49%
Australia	10	318	10.46%	1.07%
Argentina	9	233	7.66%	0.79%
Korea Rep	117	209	6.87%	0.71%
Viet Nam	237	194	6.38%	0.65%
New Zealand	156	186	6.12%	0.63%
EU (25 sub) is in effect from 2004 on	-450	162	5.33%	0.55%
Afghanistan	2	143	4.70%	0.48%
<b>Total Top Ten FAO</b>		<b>3 041</b>	<b>100%</b>	<b>10.26%</b>

Countries - top ten ITTO	Code	# request	% top ten	% of total
Brazil	21	800	27.86%	2.70%
Malaysia	131	339	11.81%	1.14%
Indonesia	101	317	11.04%	1.07%
Mexico	138	273	9.51%	0.92%
India	100	252	8.78%	0.85%
Colombia	44	235	8.19%	0.79%
Cameroon	32	199	6.93%	0.67%
Bolivia	19	164	5.71%	0.55%
Peru	170	159	5.54%	0.54%
Philippines	171	133	4.63%	0.45%
<b>Total Top Ten ITTO</b>		<b>2 871</b>	<b>100%</b>	<b>9.69%</b>

**Countries requested by IWG agency:**

Source	Requested	% of total
FAO	8 547	29%
Mixed	7 179	24%
EUROSTAT	5 643	19%
ITTO	4 212	14%
ECE	4 057	14%
<b>Total</b>	<b>29 638</b>	<b>100%</b>

3. How many products are being retrieved in the average query? Which are the most requested products? Product requests

Products/query	Queries	% of total
1	11 050	79.15%
1 to 5	2 041	14.62%
6 to 10	407	2.92%
11 to 20	113	0.81%
>20	353	2.53%
	<b>13 960</b>	<b>100%</b>

37 987	Items requested
2.72	Average per query
1	median
7.55	Standard Deviation

Top ten products				
Products	Code	# request	% top ten	% of total
SAWNWOOD	1872	1 570	14.51%	4.13%
Plywood	1640	1 327	12.27%	3.49%
INDUSTRIAL ROUNDWOOD	1865	1 213	11.21%	3.19%
Sawnwood (C)	1632	1 204	11.13%	3.17%
ROUNDWOOD	1861	1 098	10.15%	2.89%
FOREST PRODUCTS	-1877	1 004	9.28%	2.64%
Sawnwood (NC)	1633	895	8.27%	2.36%
WOOD FUEL	1864	887	8.20%	2.34%
WOOD-BASED PANELS	1873	832	7.69%	2.19%
INDUSTRIAL ROUNDWOOD(C)	1866	787	7.28%	2.07%
<b>Top Ten total</b>		<b>10 817</b>	<b>100%</b>	<b>28%</b>

Product cluster requests			% of total
<i>Roundwood, Sawnwood, Woodbased Panels</i>			
All items	28 522	#DIV/0!	
Aggregated and showing all subitem:	5 958	#DIV/0!	
<i>Pulp, paper and paperboard</i>			
All items	9 465	#DIV/0!	
Aggregated and showing all subitem:	1 424	#DIV/0!	

4. What are the flows being looked for?

flow/query	Code	Queries	% of total
1. Flows	9 244	51 PRODUCTS	40.5%
3.	4 610	91 EXPORTS (	20.2%
2.	4 438	61 IMPORTS (I	19.4%
4.	2 505	92 EXPORTS (	11.0%
5.	2 037	62 IMPORTS (I	8.9%
	<b>22 834</b>		<b>100.0%</b>

requests of flows			
Queries	Number of queries		% of total
1		10 313	73.9%
3		1 606	11.5%
5		1 169	8.4%
2		815	5.8%
4		57	0.4%
		<b>13 960</b>	<b>100.0%</b>

5. How important is the ECE region in FAOSTAT?

29 638	total countries requested
3 896	Number of ECE regions requested
13.1%	% of valid request with focus on the ECE region

6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages? How many null or bad queries were there?

The average query asked for 2.12 countries and for 2.72 products.

7. How many total queries are there? How many total records downloaded? What are monthly trends?

Total downloads reported by the FAO:

15 988	Total Number of queries
2 028	Number of invalid records (<1 and >5000)
68	FAO (public)
13 960	Number of valid queries

Valid queries are those returning at least one record and less than 5000  
We also excluded requests originating at FAO

23.98 % of the queries demanded a very simple information with one record per query.

55,64 % of the queries requested demanded more than 10 records and more than 24.45 % had more than 100 records per query.

8. Are we looking at recent years or history? How many years are requested?

103 726	Items requested
7.43	Average per query
1.00	median
12.57	Standard Deviation

Top Years requested	Frequency	Importance
2003	11 031	10.63%
2002	6 049	5.83%
2001	5 529	5.33%
2000	5 316	5.13%
1999	4 279	4.13%
	<b>32 204</b>	<b>31.05%</b>

Top five number of years requested/query	Queries	Importance
1	8 090	58.0%
43	1 248	8.9%
4	594	4.3%
3	562	4.0%
5	558	4.0%
	<b>11 052</b>	<b>79.2%</b>

1. How many records are being retrieved in the average query?
2. How many countries are being retrieved in the average query?
3. How many products are being retrieved in the average query?
4. What are the top five products/countries/flows being looked for?
5. How important is the ECE region in FAOSTAT?
6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?
7. How many total queries are there? How many total records downloaded? What are monthly trends? How many null or bad queries were there?
8. Where do queries come from? Who is asking? How concentrated are the queries from one source?

**Where did the requests come from?**

% of total	Location
2.6%	PRO FUTURO S.A., Warsaw Poland
2.3%	Brno, Czech Republic
2.3%	Lima, Peru
2.0%	Seoul, South Korea
1.8%	Zhejiang University Computer Technology Academy, China

**1. How many records are being retrieved in the average query?**

Record count/query	Queries	%
1	4 290	28.6%
2-10	2 887	19.2%
11-100	4 290	28.6%
101-1000	2 831	18.9%
>1000	707	4.7%
<b>Total</b>	<b>15 005</b>	<b>100%</b>

Records retrieved	
# in average	161.5
Median	12.0
Standard deviation	434.7

How many total records were downloaded

2 424 042

**2. How many countries are being retrieved in the average query?**

**Which countries are most frequently requested?**

Country-region/query	Queries	% of total
1	13 689	91.2%
2-5	647	4.3%
6-10	446	3.0%
11-20	133	0.9%
>20	90	0.6%
<b>Total</b>	<b>15 005</b>	<b>100%</b>

23 893	<b>total countries requested</b>
1.59	<b>average countries requested per query</b>

Countries - top ten World	Code	# request	% top ten	% of total
WORLD (total)	862	2 140	26.14%	8.96%
WORLD (show all)	-862	1 078	13.17%	4.51%
Brazil	21	828	10.11%	3.47%
China	351	750	9.16%	3.14%
United States of America	231	705	8.61%	2.95%
Chile	40	672	8.21%	2.81%
Finland	67	532	6.50%	2.23%
EUROPE	361	508	6.20%	2.13%
Canada	33	503	6.14%	2.11%
Russian Federation	185	471	5.75%	1.97%
<b>Top Ten total World</b>		<b>8 187</b>	<b>100%</b>	<b>31%</b>

Countries - top ten ECE	Code	# request	% top ten	% of total
United States of America	231	705	28.44%	2.95%
Canada	33	503	20.29%	2.11%
Russian Federation	185	471	19.00%	1.97%
Romania	183	188	7.58%	0.79%
NORTH AMERICA DEVELOPED	302	159	6.41%	0.67%
Bulgaria	27	142	5.73%	0.59%
Turkey	223	83	3.35%	0.35%
Belarus	57	80	3.23%	0.33%
Belgium	255	76	3.07%	0.32%
Ukraine	230	72	2.90%	0.30%
<b>Total Top Ten ECE</b>		<b>2 479</b>	<b>100%</b>	<b>10.38%</b>

Countries - top ten EUROSTAT	Code	# request	% top ten	% of total
Finland	67	532	19.07%	2.23%
Germany	79	412	14.77%	1.72%
Spain	203	355	12.73%	1.49%
Sweden	210	276	9.90%	1.16%
France	68	249	8.93%	1.04%
Poland	173	212	7.60%	0.89%
Italy	106	211	7.57%	0.88%
Slovenia	198	194	6.96%	0.81%
EUROPEAN UNION (15)	305	177	6.35%	0.74%
Norway	162	171	6.13%	0.72%
<b>Total Top Ten EUROSTAT</b>		<b>2 789</b>	<b>100%</b>	<b>11.67%</b>

Countries - top ten FAO	Code	# request	% top ten	% of total
China	351	750	23.70%	3.14%
Chile	40	672	21.23%	2.81%
Japan	110	399	12.61%	1.67%
Australia	10	374	11.82%	1.57%
Argentina	9	223	7.05%	0.93%
Korea Rep	117	207	6.54%	0.87%
Iran	102	162	5.12%	0.68%
South Africa	202	148	4.68%	0.62%
New Zealand	156	145	4.58%	0.61%
Viet Nam	237	85	2.69%	0.36%
<b>Total Top Ten FAO</b>		<b>3 165</b>	<b>100%</b>	<b>13.25%</b>

Countries - top ten ITTO	Code	# request	% top ten	% of total
Brazil	21	828	27.16%	3.47%
Indonesia	101	428	14.04%	1.79%
Colombia	44	346	11.35%	1.45%
India	100	299	9.81%	1.25%
Malaysia	131	298	9.77%	1.25%
Peru	170	228	7.48%	0.95%
Philippines	171	185	6.07%	0.77%
Mexico	138	167	5.48%	0.70%
Ecuador	58	141	4.62%	0.59%
Thailand	216	129	4.23%	0.54%
<b>Total Top Ten ITTO</b>		<b>3 049</b>	<b>100%</b>	<b>12.76%</b>

**Countries requested by IWG agency:**

Source	Requested	% of total
Mixed	7 632	32%
FAO	4 965	21%
EUROSTAT	4 472	19%
ITTO	3 876	16%
ECE	2 948	12%
<b>Total</b>	<b>23 893</b>	<b>100.0%</b>

3. How many products are being retrieved in the average query? Which are the most requested products? Product requests

Products/query	Queries	% of total
1	12 724	84.80%
2-5	1 265	8.43%
6-10	403	2.69%
11-20	204	1.36%
>20	409	2.73%
<b>15005</b>	<b>100%</b>	

46 678	total products requested
2.76	average products requested per query
1	median products requested
7.82	Standard Deviation

Top ten products

Products	Code	# request	% top ten	% of total
Plywood	1640	1 522	13.08%	3.26%
Sawnwood (C)	1632	1 490	12.80%	3.19%
SAWNWOOD	1872	1 345	11.55%	2.88%
ROUNDWOOD	1861	1 295	11.13%	2.77%
FOREST PRODUCTS (show all)	-1877	1 292	11.10%	2.77%
FOREST PRODUCTS (total)	1877	1 199	10.30%	2.57%
INDUSTRIAL ROUNDWOOD	1865	998	8.57%	2.14%
Particle Board	1646	852	7.32%	1.83%
MDF	1648	838	7.20%	1.80%
PAPER AND PAPERBOARD	1876	809	6.95%	1.73%
<b>Top Ten total</b>		<b>11 640</b>	<b>100%</b>	<b>25%</b>

Product cluster requests	% of total	
<i>Roundwood, Sawnwood, Woodbased Panels</i>		
All items	34 548	74.01%
Aggregated and showing all subitems	7 831	16.78%
<i>Pulp, paper and paperboard</i>		
All items	12 128	25.98%
Aggregated and showing all subitems	1 490	3.19%

4. What are the flows being looked for?

flow/query	Code	Queries	% of total
1.	10 182	51 PRODUCTI	42.3%
2.	4 477	91 EXPORTS (	18.6%
3.	4 316	61 IMPORTS ((	17.9%
4.	2 476	92 EXPORTS (	10.3%
5.	2 605	62 IMPORTS (I	10.8%
	<b>24 056</b>		<b>100%</b>

requests of flows	Number of queries	% of total
Queries	1	11 621 77.4%
	5	1 424 9.5%
	3	1 073 7.2%
	2	726 4.8%
	4	161 1.1%
	<b>15 005</b>	<b>100%</b>

5. How important is the ECE region in FAOSTAT?

23 893	total countries requested
4 472	Number of ECE regions requested
18.7%	% of valid request with focus on the ECE region

6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages? How many null or bad queries were there?

The average query asked for 1.59 countries and for 2.76 products.

7. How many total queries are there? How many total records downloaded? What are monthly trends?

Total downloads reported by the FAO:

16 934	Total Number of queries
1920	Number of invalid records (<1 and >5000)
9	FAO (public)
15 005	Number of valid queries

Valid queries are those returning at least one record and less than 5000

We also excluded requests originating at FAO

28.6 % of the queries demanded a very simple information with one record per query.

50.2 % of the queries requested demanded more than 10 records and more than 23.6 % had more than 100 records per query.

8. Are we looking at recent years or history? How many years are requested?

98 167	total Years requested
6.54	average years requested per query
1.00	Median
11.1	Standard deviation

Top Years requested	Frequency	Importance
2003	11 063	11.3%
2002	6 080	6.2%
2000	5 715	5.8%
2001	5 587	5.7%
1999	4 169	4.2%
		<b>33.2%</b>

Top five number of years requested/query	Queries	Importance
1	8 865	59.1%
43 (all available)	843	5.6%
4	733	4.9%
5	581	3.9%
2	504	3.4%
		<b>76.8%</b>

1. How many records are being retrieved in the average query?
2. How many countries are being retrieved in the average query?
3. How many products are being retrieved in the average query?
4. What are the top five products/countries/flows being looked for?
5. How important is the ECE region in FAOSTAT?
6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?
7. How many total queries are there? How many total records downloaded? What are monthly trends? How many null or bad queries were there?
8. Where do queries come from? Who is asking? How concentrated are the queries from one source?

= by month

**Where did the requests come from?**

% of total	Location
2.7%	Jakarta, Indonesia
2.5%	Helsinki University of Technology, FINLAND
1.8%	Melbourne, Victoria, Australia
1.7%	Bogota, Colombia
1.6%	Ministry of Agriculture, Forestry and Fisheries, Tokyo, Japan

**1. How many records are being retrieved in the average query?**

Record count/query	Queries	%	# in average	
1	4 883	26.8%		161.5
2-10	3 207	17.6%		12.0
11-100	5 034	27.6%		
101-1000	3 883	21.3%		
>1000	1 244	6.8%		434.7
<b>Total</b>	<b>18 251</b>	<b>100.0%</b>		

How many total records were downloaded  
2 948 430

**2. How many countries are being retrieved in the average query? Which countries are most frequently requested?**

Country-region/query	Queries	% of total		
1	16 313	89.4%		
2-5	950	5.2%		
6-10	406	2.2%	30535	total countries requested
11-20	373	2.0%	1.67	average countries requested per query
>20	209	1.1%		
<b>Total</b>	<b>18 251</b>	<b>100.0%</b>		

Countries - top ten World	Code	# request	% top ten	% of total	
World (total)		862	2 237	22.19%	7.33%
World (all)		-862	1 617	16.04%	5.30%
China		351	1 004	9.96%	3.29%
USA		231	935	9.28%	3.06%
Brazil		21	907	9.00%	2.97%
Canada		33	800	7.94%	2.62%
Russian Fed		185	671	6.66%	2.20%
Colombia		44	657	6.52%	2.15%
Indonesia		101	627	6.22%	2.05%
Japan		110	624	6.19%	2.04%
<b>Total Top Ten World</b>		<b>10 079</b>	<b>100%</b>	<b>33%</b>	

Countries - top ten ECE	Code	# request	% top ten	% of total	
USA		231	935	30.95%	3.06%
Canada		33	800	26.48%	2.62%
Russian Fed		185	671	22.21%	2.20%
N Amer Dvdp		302	112	3.71%	0.37%
Romania		183	99	3.28%	0.32%
Belgium		255	93	3.08%	0.30%
Belarus		57	84	2.78%	0.28%
Ukraine		230	82	2.71%	0.27%
Turkey		223	75	2.48%	0.25%
Bulgaria		27	70	2.32%	0.23%
<b>Total Top Ten ECE</b>		<b>3 021</b>	<b>100%</b>	<b>9.9%</b>	

Countries - top ten EUROSTAT	Code	# request	% top ten	% of total	
Germany		79	450	15.26%	1.47%
Austria		11	382	12.95%	1.25%
Italy		106	357	12.11%	1.17%
Slovenia		198	321	10.89%	1.05%
Finland		67	308	10.44%	1.01%
France		68	282	9.56%	0.92%
EU (15)		305	247	8.38%	0.81%
Sweden		210	239	8.10%	0.78%
Spain		203	201	6.82%	0.66%
Switzerland		211	162	5.49%	0.53%
<b>Total Top Ten EUROSTAT</b>		<b>2 949</b>	<b>100%</b>	<b>9.7%</b>	

Countries - top ten FAO	Code	# request	% top ten	% of total	
China		351	1 004	22.77%	3.29%
Japan		110	624	14.15%	2.04%
Australia		10	611	13.85%	2.00%
Chile		40	561	12.72%	1.84%
Korea Rep		117	319	7.23%	1.04%
New Zealand		156	316	7.17%	1.03%
Uruguay		234	256	5.80%	0.84%
Viet Nam		237	242	5.49%	0.79%
Singapore		200	240	5.44%	0.79%
Argentina		9	237	5.37%	0.78%
<b>Total Top Ten FAO</b>		<b>4 410</b>	<b>100%</b>	<b>14.44%</b>	

Countries - top ten ITTO	Code	# request	% top ten	% of total	
Brazil		21	907	20.05%	2.97%
Colombia		44	657	14.52%	2.15%
Indonesia		101	627	13.86%	2.05%
Mexico		138	450	9.95%	1.47%
Peru		170	383	8.47%	1.25%
Malaysia		131	347	7.67%	1.14%
India		100	343	7.58%	1.12%
Thailand		216	334	7.38%	1.09%
Philippines		171	240	5.31%	0.79%
Papua N Guin		168	236	5.22%	0.77%
<b>Total Top Ten ITTO</b>		<b>4 524</b>	<b>100%</b>	<b>14.82%</b>	

**Countries requested by IWG agency:**

Source	Requested	% of total
Mixed	8 554	28%
FAO	7 519	25%
ITTO	6 246	20%
EUROSTAT	4 678	15%
ECE	3 538	12%
<b>Total</b>	<b>30 535</b>	<b>100%</b>



3. How many products are being retrieved in the average query? Which are the most requested products? Product requests

Products/query	Queries	% of total
1	15 527	85.07%
1 to 5	1 696	9.29%
6 to 10	376	2.06%
11 to 20	115	0.63%
>20	537	2.94%
<b>18 251</b>	<b>100%</b>	

52 449	Items requested
2.87	Average per query
1	median
8.78	Standard Deviation

Top ten products

Products	Code	# request	% top ten	% of total
FOREST PRODUCTS	-1877	1 849	13.70%	3.53%
Plywood	1640	1 666	12.35%	3.18%
ROUNDWOOD	1861	1 611	11.94%	3.07%
SAWNWOOD	1872	1 609	11.92%	3.07%
INDUSTRIAL ROUNDWOOD	1865	1 316	9.75%	2.51%
WOOD-BASED PANELS	1873	1 309	9.70%	2.50%
PAPER AND PAPERBOARD	1876	1 094	8.11%	2.09%
MDF	1648	1 039	7.70%	1.98%
Sawnwood (C)	1632	1 011	7.49%	1.93%
FOREST PRODUCTS	1877	990	7.34%	1.89%
<b>Top Ten total</b>		<b>13 494</b>	<b>100%</b>	<b>26%</b>

Product cluster requests	% of total
Roundwood, Sawnwood, Woodbased Panels	
All items	42 130 80.33%
Aggregated and showing all subitems	10 624 20.26%
Pulp, paper and paperboard	
All items	10 319 19.67%
Aggregated and showing all subitems	1 719 3.28%

4. What are the flows being looked for?

flow/query	Code	Queries	% of total
1. Flows	11 088	51 PRODUCTI	39.1%
3.	5 710	61 IMPORTS (	20.1%
2.	5 254	91 EXPORTS (	18.5%
4.	3 304	92 EXPORTS (	11.7%
5.	2 982	62 IMPORTS (	10.5%
	<b>28 338</b>		<b>100.0%</b>

requests of flows	Number of queries	% of total
Queries	1	14 640 80.2%
	5	1 641 9.0%
	3	945 5.2%
	2	721 4.0%
	4	304 1.7%
		<b>18 251 100.0%</b>

5. How important is the ECE region in FAOSTAT?

30 535	total countries requested
3 459	Number of ECE regions requested
11.3%	% of valid request with focus on the ECE region

6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages? How many null or bad queries were there?

The average query asked for 2.11 countries and for 2.87 products.

7. How many total queries are there? How many total records downloaded? What are monthly trends?

Total downloads reported by the FAO:

20 946	Total Number of queries
2 695	Number of invalid records (<1 and >5000)
23	FAO (public)
18 251	Number of valid queries

Valid queries are those returning at least one record and less than 5000

We also excluded requests originating at FAO

26.8 % of the queries demanded a very simple information with one record per query.

45.7 % of the queries requested demanded more than 10 records and more than 28.1 % had more than 100 records per query.

8. Are we looking at recent years or history? How many years are requested?

150 423	Items requested
7.18	Average per query
1.00	median
11.59	Standard Deviation

Top Years requested	Frequency	Importance
2003	15 502	10.3%
2002	9 777	6.5%
2001	8 868	5.9%
2000	8 783	5.8%
1999	7 197	4.8%
	<b>50 127</b>	<b>33.3%</b>

Top five number of years requested/query	Queries	Importance
1	11 703	64.1%
43	1 498	8.2%
11	1 344	7.4%
4	1 014	5.6%
14	802	4.4%
	<b>16 361</b>	<b>89.6%</b>

1. How many records are being retrieved in the average query?
2. How many countries are being retrieved in the average query?
3. How many products are being retrieved in the average query?
4. What are the top five products/countries/flows being looked for?
5. How important is the ECE region in FAOSTAT?
6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?
7. How many total queries are there? How many total records downloaded? What are monthly trends? How many null or bad queries were there?
8. Where do queries come from? Who is asking? How concentrated are the queries from one source?

**Where did the requests come from?**

% of total	Location
4.3%	Government Computer Center Seoul, Korea
3.2%	Ministry of Agriculture, Forestry and Fisheries, Tokyo, Japan
3.0%	Tallinn, Estonia
1.9%	Ministry of Education computer Center, Taipei Taiwan
1.7%	Jaakko Poyry Oy , Finland

**1. How many records are being retrieved in the average query?**

Record count/query	Queries	%
1	2 224	18.0%
2-10	5 816	47.2%
11-100	3 118	25.3%
101-1000	789	6.4%
>1000	380	3.1%
<b>Total</b>	<b>12 327</b>	<b>100.0%</b>

# in average	112.8
Median	4.0
Standard deviation	395.4

How many total records were downloaded  
1 391 037

**2. How many countries are being retrieved in the average query? Which countries are most frequently requested?**

Country-region/query	Queries	% of total
1	11 391	93.4%
2-5	527	3.2%
6-10	185	1.5%
11-20	122	1.0%
>20	101	0.8%
<b>Total</b>	<b>12 326</b>	<b>100.0%</b>

18 809 total countries requested  
1.55 average countries requested per query

Countries - top ten World	Code	# request	% top ten	% of total	
World (total)		862	1 687	23.79%	8.97%
World (all)		-862	1 073	15.13%	5.70%
China		351	776	10.94%	4.13%
Brazil		21	599	8.45%	3.18%
USA		231	558	7.87%	2.97%
Japan		110	512	7.22%	2.72%
Russian Fed		185	508	7.17%	2.70%
Canada		33	496	7.00%	2.64%
Estonia		63	460	6.49%	2.45%
Germany		79	421	5.94%	2.24%
<b>Total Top Ten World</b>		<b>7 090</b>	<b>100%</b>	<b>38%</b>	

Countries - top ten ECE	Code	# request	% top ten	% of total	
USA		231	558	25.55%	2.97%
Russian Fed		185	508	23.26%	2.70%
Canada		33	496	22.71%	2.64%
Belgium		255	251	11.49%	1.33%
Turkey		223	72	3.30%	0.38%
Bulgaria		27	67	3.07%	0.36%
N Amer Dvpd		302	61	2.79%	0.32%
Romania		183	60	2.75%	0.32%
USSR		228	59	2.70%	0.31%
Ukraine		230	52	2.38%	0.28%
<b>Total Top Ten ECE</b>		<b>2 184</b>	<b>100%</b>	<b>12%</b>	

Countries - top ten EUROSTAT	Code	# request	% top ten	% of total	
Estonia		63	460	16.45%	2.45%
Germany		79	421	15.06%	2.24%
Finland		67	265	9.48%	1.41%
Switzerland		211	264	9.44%	1.40%
Italy		106	258	9.23%	1.37%
Spain		203	243	8.69%	1.29%
Austria		11	242	8.66%	1.29%
France		68	221	7.90%	1.17%
Sweden		210	215	7.69%	1.14%
UK		229	207	7.40%	1.10%
<b>Total Top Ten EUROSTAT</b>		<b>2 796</b>	<b>100%</b>	<b>14.87%</b>	

Countries - top ten FAO	Code	# request	% top ten	% of total	
China		351	776	31.43%	4.13%
Japan		110	512	20.74%	2.72%
Australia		10	243	9.84%	1.29%
Chile		40	197	7.98%	1.05%
Korea Rep		117	159	6.44%	0.85%
Korea D P Rp		116	155	6.28%	0.82%
Argentina		9	134	5.43%	0.71%
New Zealand		156	119	4.82%	0.63%
Laos		120	87	3.52%	0.46%
Uruguay		234	87	3.52%	0.46%
<b>Total Top Ten FAO</b>		<b>2 469</b>	<b>100%</b>	<b>13.13%</b>	

Countries - top ten ITTO	Code	# request	% top ten	% of total	
Brazil		21	599	26.80%	3.18%
Indonesia		101	356	15.93%	1.89%
Malaysia		131	284	12.71%	1.51%
India		100	273	12.21%	1.45%
Thailand		216	213	9.53%	1.13%
Mexico		138	139	6.22%	0.74%
Ghana		81	103	4.61%	0.55%
Peru		170	100	4.47%	0.53%
Philippines		171	90	4.03%	0.48%
Guyana		91	78	3.49%	0.41%
<b>Total Top Ten ITTO</b>		<b>2 235</b>	<b>100%</b>	<b>11.88%</b>	

**Countries requested by IWG agency:**

Source	Requested	% of total
Mixed	5 253	28%
EUROSTAT	4 181	22%
FAO	3 911	21%
ITTO	2 808	15%
ECE	2 656	14%
<b>Total</b>	<b>18 809</b>	<b>100%</b>

3. How many products are being retrieved in the average query? Which are the most requested products? Product requests

Products/query	Queries	% of total
1	10 744	87.18%
1 to 5	962	7.81%
6 to 10	261	2.12%
11 to 20	70	0.57%
>20	287	2.33%
<b>Total</b>	<b>12 324</b>	<b>100%</b>

30015	Items requested
2.43	Average per query
1	median
7.41	Standard Deviation

Products	Code	# request	% top ten	% of total
ROUNDWOOD	1861	941	12.51%	3.14%
Plywood	1640	868	11.54%	2.89%
Sawnwood (C)	1632	819	10.89%	2.73%
FOREST PRODUCTS	-1877	818	10.88%	2.73%
SAWNWOOD	1872	754	10.03%	2.51%
PAPER AND PAPERBOARD	1876	727	9.67%	2.42%
FOREST PRODUCTS	1877	695	9.24%	2.32%
Particle Board	1646	638	8.49%	2.13%
INDUSTRIAL ROUNDWOOD	1865	631	8.39%	2.10%
MDF	1648	628	8.35%	2.09%
<b>Top Ten total</b>		<b>7 519</b>	<b>100%</b>	<b>25%</b>

Product cluster requests	% of total
<i>Roundwood, Sawnwood, Woodbased Panels</i>	
All items	22 812 76.00%
Aggregated and showing all subitems	5 349 17.82%
<i>Pulp, paper and paperboard</i>	
All items	7 203 24.00%
Aggregated and showing all subitems	1 131 3.77%

4. What are the flows being looked for?

flow/query	Code	Queries	% of total
1. Flows	8 049	51	40.3%
2.	3 809	91	19.1%
3.	3 662	61	18.3%
4.	2 408	92	12.1%
5.	2 047	62	10.2%
	<b>19 975</b>		<b>100%</b>

requests of flows	Number of queries	% of total
1. Queries	1	9 598 78%
2.	2	1 345 11%
3.	3	674 5%
4.	4	503 4%
5.	5	156 1%
		<b>12 276 100%</b>

5. How important is the ECE region in FAOSTAT?

18 809	total countries requested
2 184	Number of ECE regions requested
11.6%	% of valid request with focus on the ECE region

6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages? How many null or bad queries were there?

The average query asked for 1.55 countries and for 2.43 products.

7. How many total queries are there? How many total records downloaded? What are monthly trends?

Total downloads reported by the FAO:

13 664	Total Number of queries
1 337	Number of invalid records (<1 and >5000)
21	FAO (public)
12 327	Number of valid queries

Valid queries are those returning at least one record and less than 5000

We also excluded requests originating at FAO

18.0 % of the queries demanded a very simple information with one record per query.

34.8 % of the queries requested demanded more than 10 records and more than 9.5 % had more than 100 records per query.

8. Are we looking at recent years or history? How many years are requested?

90 976	Items requested
7.4	Average
1.0	Median
12.1	standard deviation

Top Years requested	Frequency	Importance
2003	9 381	33.2%
2002	5 331	18.8%
2000	4 826	17.1%
2001	4 762	16.8%
1999	3 987	14.1%
	<b>28 287</b>	<b>100.0%</b>

Top five number of years requested/query	Queries	Importance
1	7 159	58.1%
43	924	7.5%
4	542	4.4%
11	454	3.7%
5	436	3.5%
	<b>9 515</b>	<b>77.2%</b>

1. How many records are being retrieved in the average query?
2. How many countries are being retrieved in the average query?
3. How many products are being retrieved in the average query?
4. What are the top five products/countries/flows being looked for?
5. How important is the ECE region in FAOSTAT?
6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?
7. How many total queries are there? How many total records downloaded? What are monthly trends? How many null or bad queries were there?
8. Where do queries come from? Who is asking? How concentrated are the queries from one source?

**Where did the requests come from?**

% of total	Location
17.0%	University of British Columbia, Agricultural Road, Canada
1.5%	Rabat, Morocco
1.0%	Government computer Center, Seoul, Korea
0.6%	Bombay, India
0.5%	U.S. unclear

**1. How many records are being retrieved in the average query?**

Record count/query	Queries	%	# in average	
1	3 201	24.51%		137.6
2-10	2 219	16.99%		20.0
11-100	4 727	36.19%		
101-1000	2 502	19.16%		
>1000	411	3.15%		
<b>Total</b>	<b>13 060</b>	<b>100%</b>		<b>422.8</b>

How many total records were downloaded  
1 796 868.00

**2. How many countries are being retrieved in the average query? Which countries are most frequently requested?**

Country-region/query	Queries	% of total		
1	12 129	93.0%		
2-5	558	4.3%		
6-10	209	1.6%	22 360	total countries requested
11-20	71	0.5%	1.71	average countries requested per query
>20	74	0.6%		
<b>Total</b>	<b>13 041</b>	<b>100.0%</b>		

Countries - top ten World	Code	# request	% top ten	% of total
World (total)		862	1 582	25.97%
World (all)		-862	1 013	16.63%
China		351	617	10.13%
Brazil		21	594	9.75%
USA		231	455	7.47%
India		100	420	6.90%
Japan		110	378	6.21%
Malaysia		131	363	5.96%
Canada		33	338	5.55%
Indonesia		101	331	5.43%
<b>Total Top Ten World</b>		<b>6 091</b>	<b>100%</b>	<b>27%</b>

Countries - top ten ECE	Code	# request	% top ten	% of total
USA		231	455	26.56%
Canada		33	338	19.73%
Russian Fed		185	250	14.59%
Turkey		223	160	9.34%
N Amer Dvdp		302	125	7.30%
Belgium		255	119	6.95%
Bulgaria		27	92	5.37%
Belarus		57	71	4.14%
Albania		3	52	3.04%
Ukraine		230	51	2.98%
<b>Total Top Ten ECE</b>		<b>1 713</b>	<b>100%</b>	<b>8%</b>

Countries - top ten EUROSTAT	Code	# request	% top ten	% of total
Finland		67	288	17.19%
France		68	228	13.61%
Austria		11	197	11.76%
Germany		79	180	10.75%
Sweden		210	166	9.91%
EU (15)		305	158	9.43%
UK		229	135	8.06%
Spain		203	113	6.75%
Italy		106	112	6.69%
Denmark		54	98	5.85%
<b>Total Top Ten EUROSTAT</b>		<b>1 675</b>	<b>100%</b>	<b>7.49%</b>

Countries - top ten FAO	Code	# request	% top ten	% of total
China		351	617	30.56%
Japan		110	378	18.72%
Morocco		143	238	11.79%
Korea Rep		117	152	7.53%
Argentina		9	140	6.93%
Chile		40	129	6.39%
Australia		10	96	4.75%
Tunisia		222	93	4.61%
Afghanistan		2	88	4.36%
Iran		102	88	4.36%
<b>Total Top Ten FAO</b>		<b>2 019</b>	<b>100%</b>	<b>9.03%</b>

Countries - top ten ITTO	Code	# request	% top ten	% of total
Brazil		21	594	25.29%
India		100	420	17.88%
Malaysia		131	363	15.45%
Indonesia		101	331	14.09%
Thailand		216	158	6.73%
Bolivia		19	106	4.51%
Philippines		171	105	4.47%
Peru		170	103	4.38%
Mexico		138	99	4.21%
Cambodia		115	70	2.98%
<b>Total Top Ten ITTO</b>		<b>2 349</b>	<b>100%</b>	<b>10.51%</b>

**Countries requested by IWG agency:**

Source	Requested	% of total
Mixed	7 007	31%
FAO	6 472	29%
ITTO	3 455	15%
EUROSTAT	2 894	13%
ECE	2 532	11%
<b>Total</b>	<b>22 360</b>	<b>100%</b>

3. How many products are being retrieved in the average query? Which are the most requested products? Product requests

Products/query	Queries	% of total
1	11 143	85.37%
1 to 5	1 054	8.07%
6 to 10	445	3.41%
11 to 20	150	1.15%
>20	261	2.00%
<b>13 053</b>	<b>100%</b>	

30 078 Items requested  
2.30 Average per query  
1 median  
6.07 Standard Deviation

Products	Code	# request	% top ten	% of total
SAWNWOOD	1872	1 970	20.32%	6.55%
FOREST PRODUCTS	1877	1 317	13.59%	4.38%
ROUNDWOOD	1861	996	10.27%	3.31%
INDUSTRIAL ROUNDWOOD(C)	1866	888	9.16%	2.95%
Plywood	1640	875	9.03%	2.91%
Sawnwood (C)	1632	865	8.92%	2.88%
FOREST PRODUCTS	-1877	859	8.86%	2.86%
INDUSTRIAL ROUNDWOOD	1865	698	7.20%	2.32%
ROUNDWOOD (C)	1862	621	6.41%	2.06%
WOOD-BASED PANELS	1873	605	6.24%	2.01%
<b>Top Ten total</b>		<b>9 694</b>	<b>100%</b>	<b>32%</b>

Product cluster requests	% of total	
<i>Roundwood, Sawnwood, Woodbased Panels</i>		
All items	22 977	76.39%
Aggregated and showing all subitems	3 566	11.86%
<i>Pulp, paper and paperboard</i>		
All items	7 101	23.61%
Aggregated and showing all subitems	1 045	3.47%

4. What are the flows being looked for?

flow/query	Code	Queries	% of total
1. Flows	7 632	51 PRODUCTI	39.5%
2.	3 864	91 IMPORTS (	20.0%
3.	3 084	92 EXPORTS (	16.0%
4.	2 803	61 EXPORTS (	14.5%
5.	1 921	62 IMPORTS (	10.0%
<b>19 304</b>		<b>100%</b>	

requests of flows	Number of queries	% of total
Queries	1	10 537 81%
	3	460 9%
	5	1 179 6%
	2	85 4%
	4	794 1%
<b>13 055</b>	<b>100%</b>	

5. How important is the ECE region in FAOSTAT?

22360 total countries requested  
2532 Number of ECE regions requested  
11.3% % of valid request with focus on the ECE region

6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages? How many null or bad queries were there?

The average query asked for 1.71 countries and for 2.30 products.

7. How many total queries are there? How many total records downloaded? What are monthly trends?

Total downloads reported by the FAO:

14 958 Total Number of queries  
1 866 Number of invalid records (<1 and >5000)  
32 FAO (public)  
13 060 Number of valid queries

Valid queries are those returning at least one record and less than 5000  
We also excluded requests originating at FAO

24.5 % of the queries demanded a very simple information with one record per query.  
58.4 % of the queries requested demanded more than 10 records and more than 22.31 % had more than 100 records per query.

8. Are we looking at recent years or history? How many years are requested?

131 857 Items requested  
10.1 Average  
1.0 Median  
13.4 standard deviation

Top Years requested	Frequency	Importance
2003	7779	5.9%
2000	6113	4.6%
1999	5302	4.0%
1997	4735	3.6%
1996	4677	3.5%
<b>28 606</b>	<b>21.7%</b>	

Top five number of years requested/query	Queries	Importance
1	6817	52.2%
20	2231	17.1%
43	1306	10.0%
4	533	4.1%
5	320	2.5%
<b>11207</b>	<b>85.8%</b>	

1. How many records are being retrieved in the average query?
2. How many countries are being retrieved in the average query?
3. How many products are being retrieved in the average query?
4. What are the top five products/countries/flows being looked for?
5. How important is the ECE region in FAOSTAT?
6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?
7. How many total queries are there? How many total records downloaded? What are monthly trends? How many null or bad queries were there?
8. Where do queries come from? Who is asking? How concentrated are the queries from one source?

**Where did the requests come from?**

% of total	Location
19.9%	University of British Columbia
7.8%	Universitaet Kassel, Germany
2.0%	Technical University Zvolen, Slovakia
1.9%	North Carelian Polytechnic, Joensuu, Finland
1.5%	Mittuniversitetet, Sweden

**1. How many records are being retrieved in the average query?**

Record count/query	Queries	%	# in average	
1	14 394	90.4%		
2-5	914	5.7%		
6-10	341	2.1%		
11-20	192	1.2%		
>20	73	0.5%		
<b>Total</b>	<b>15 914</b>	<b>100.0%</b>		

Median	25.0
Standard deviation	457.8

**How many total records were downloaded**  
2 931 734

**2. How many countries are being retrieved in the average query?**

**Which countries are most frequently requested?**

Country-region/query	Queries	% of total		
1	14 394	90.4%		
2-5	914	5.7%		
6-10	341	2.1%		
11-20	192	1.2%		
>20	73	0.5%		
<b>Total</b>	<b>15 914</b>	<b>100.0%</b>		

26 994	<b>total countries requested</b>
1.70	<b>average countries requested per query</b>

Note: 3 country queries that generated more than 256 country groupings were deleted

Countries - top ten World	Code	# request	% top ten	% of total
World (total)	862	1945	23.27%	7.21%
World (all)	-862	1907	22.81%	7.06%
USA	231	744	8.90%	2.76%
China	351	723	8.65%	2.68%
Sweden	210	549	6.57%	2.03%
Canada	33	543	6.50%	2.01%
Brazil	21	539	6.45%	2.00%
Russian Fed	185	504	6.03%	1.87%
Japan	110	471	5.63%	1.74%
Germany	79	435	5.20%	1.61%
<b>Total Top Ten World</b>		<b>8 360</b>	<b>100%</b>	<b>31%</b>

Countries - top ten ECE	Code	# request	% top ten	% of total
USA	231	744	26.00%	2.76%
Canada	33	543	18.97%	2.01%
Russian Fed	185	504	17.61%	1.87%
Turkey	223	351	12.26%	1.30%
Belgium	255	172	6.01%	0.64%
Albania	3	137	4.79%	0.51%
N Amer Dvprd	302	136	4.75%	0.50%
Romania	183	103	3.60%	0.38%
Bosnia Herzg	80	94	3.28%	0.35%
Belarus	57	78	2.73%	0.29%
<b>Total Top Ten ECE</b>		<b>2 862</b>	<b>100%</b>	<b>10.60%</b>

Countries - top ten EUROSTAT	Code	# request	% top ten	% of total
Sweden	210	549	19.99%	2.03%
Germany	79	435	15.84%	1.61%
Finland	67	376	13.69%	1.39%
France	68	294	10.71%	1.09%
Austria	11	265	9.65%	0.98%
Italy	106	202	7.36%	0.75%
UK	229	192	6.99%	0.71%
Norway	162	149	5.43%	0.55%
Poland	173	144	5.24%	0.53%
Spain	203	140	5.10%	0.52%
<b>Total Top Ten EUROSTAT</b>		<b>2746</b>	<b>100%</b>	<b>10.17%</b>

Countries - top ten FAO	Code	# request	% top ten	% of total
China	351	723	25.66%	2.68%
Japan	110	471	16.71%	1.74%
Australia	10	259	9.19%	0.96%
Chile	40	255	9.05%	0.94%
Korea Rep	117	241	8.55%	0.89%
New Zealand	156	227	8.06%	0.84%
Viet Nam	237	207	7.35%	0.77%
Cyprus	50	164	5.82%	0.61%
Argentina	9	158	5.61%	0.59%
Brunei Darism	26	113	4.01%	0.42%
<b>Total Top Ten FAO</b>		<b>2818</b>	<b>100%</b>	<b>10.44%</b>

Countries - top ten ITTO	Code	# request	% top ten	% of total
Brazil	21	539	22.24%	2.00%
Indonesia	101	395	16.30%	1.46%
Malaysia	131	309	12.75%	1.14%
India	100	256	10.56%	0.95%
Mexico	138	246	10.15%	0.91%
Thailand	216	222	9.16%	0.82%
Venezuela	236	124	5.12%	0.46%
Colombia	44	123	5.07%	0.46%
Philippines	171	110	4.54%	0.41%
Papua N Guin	168	100	4.13%	0.37%
<b>Total Top Ten ITTO</b>		<b>2424</b>	<b>100%</b>	<b>8.98%</b>

**Countries requested by IWG agency:**

Source	Requested	% of total
FAO	7 586	28%
Mixed	7 303	27%
EUROSTAT	4 601	17%
ECE	3 899	14%
ITTO	3 605	13%
<b>Total</b>	<b>26 994</b>	<b>100%</b>

3. How many products are being retrieved in the average query? Which are the most requested products? Product requests

Products/query	Queries	% of total
1	12 964	81.46%
1 to 5	2 222	13.96%
6 to 10	297	1.87%
11 to 20	81	0.51%
>20	350	2.20%
	<b>15 914</b>	<b>100%</b>

39 215	Items requested
2.46	Average per query
1	median
6.97	Standard Deviation

Top ten products

Products	Code	# request	% top ten	% of total
SAWNWOOD	1872	1 912	14.92%	4.88%
WOOD-BASED PANELS	1873	1 549	12.09%	3.95%
PAPER AND PAPERBOARD	1876	1 441	11.25%	3.67%
ROUNDWOOD	1861	1 433	11.18%	3.65%
FOREST PRODUCTS	1877	1 153	9.00%	2.94%
Plywood	1640	1 129	8.81%	2.88%
WOOD PULP	1875	1 104	8.62%	2.82%
Sawnwood (NC)	1633	1 058	8.26%	2.70%
Sawnwood (C)	1632	1 054	8.23%	2.69%
INDUSTRIAL ROUNDWOOD(NC)	1867	981	7.66%	2.50%
<b>Top Ten total</b>		<b>12 814</b>	<b>100%</b>	<b>33%</b>

Product cluster requests	% of total
Roundwood, Sawnwood, Woodbased Panels	
All items	30 003 0.76508989
Aggregated and showing all subitems	4 829 0.76508989
Pulp, paper and paperboard	
All items	9 212 0.76508989
Aggregated and showing all subitems	868 0.76508989

4. What are the flows being looked for?

flow/query	Code	Queries	% of total
1.	9 982	51 PRODUCTION	33.7%
2.	6 365	91 EXPORTS (Qu	21.5%
3.	6 552	61 IMPORTS (Qu	22.1%
4.	3 649	92 EXPORTS (Va	12.3%
5.	3 109	62 IMPORTS (Val	10.5%
	<b>29 657</b>		<b>100.0%</b>

requests of flows	Number of queries	% of total
Queries		
1	11097	70%
5	2149	14%
3	2145	13%
2	356	2%
4	167	1%
	<b>15914</b>	<b>100%</b>

29 657	Items requested
1.9	Average per query
1	median
1.4	Standard Deviation

5. How important is the ECE region in FAOSTAT?

26994	total countries requested
3899	Number of ECE regions requested
14.44%	% of valid request with focus on the ECE region

6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages? How many null or bad queries were there?

The average query asked for 1.70 countries and for 2.46 products.

7. How many total queries are there? How many total records downloaded? What are monthly trends?

Total downloads reported by the FAO:

20 946	Total Number of queries
5 001	Number of invalid records (<1 and >5000)
29	FAO (public)
15 914	Number of valid queries

Valid queries are those returning at least one record and less than 5000  
We also excluded requests originating at FAO

23.0 % of the queries demanded a very simple information with one record per query.  
61.2 % of the queries requested demanded more than 10 records and more than 30.3 % had more than 100 records per query.

8. Are we looking at recent years or history? How many years are requested?

189 787	Items requested
11.9	Average
2.0	Median
16.0	standard deviation

Top Years requested	Frequency	Importance
2003	9 285	4.9%
2000	7 620	4.0%
2002	7 493	3.9%
2004	7 383	3.9%
2001	7 097	3.7%
	<b>38 878</b>	<b>20.5%</b>

Top five number of years requested/query	Queries	Importance
1	7 697	48.4%
43	2 164	13.6%
5	852	5.4%
44	704	4.4%
25	670	4.2%
	<b>12 087</b>	<b>76.0%</b>

1. How many records are being retrieved in the average query?
2. How many countries are being retrieved in the average query?
3. How many products are being retrieved in the average query?
4. What are the top five products/countries/flows being looked for?
5. How important is the ECE region in FAOSTAT?
6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?
7. How many total queries are there? How many total records downloaded? What are monthly trends? How many null or bad queries were there?
8. Where do queries come from? Who is asking? How concentrated are the queries from one source?

**Where did the requests come from?**

% of total	Location		
41.2%	University of British Columbia	137.82.145.72	9574 (Excluded from the analysis - see below the report)
1.9%	Technology Park Malaysia, Kuala Lumpur	202.185.249.153	445
1.9%	U S WEST Internet Services, Denver	63.224.33.126	436
1.2%	Paris, France	213.41.155.112	270
0.8%	Hotchkis and Wiley Capital Management 725 South Figueroa	209.223.167.100	196
47.0%			23252 * see comment at the end of the analysis

**1. How many records are being retrieved in the average query?**

Record count/query	Queries	%
1	2910	21.3%
2-5	1447	10.6%
6-10	904	6.6%
11-100	4 859	35.5%
101-1000	2 886	21.1%
>1000	672	4.9%
<b>Total</b>	<b>13 678</b>	<b>100.0%</b>

**13678 Total for analysis (\*\*)**

179.0 Average  
24.0 Median  
476.6 standard deviation

How many total records were downloaded  
2 448 222

**2. How many countries are being retrieved in the average query?**

**Which countries are most frequently requested?**

Country-region/query	Queries	% of total
1	12462.0	91.1%
2-5	646.0	4.7%
6-10	192.0	1.4%
11-20	115	0.8%
>20	263	1.9%
<b>Total</b>	<b>13678</b>	<b>100.0%</b>

35 243 total countries requested  
2.58 average countries requested per query

2.58 Average  
1.00 Median  
13.02 standard deviation

Countries - top ten World	Code	# request	% top ten	% of total
World	862	1664	21.60%	4.72%
World	-862	1129	14.65%	3.20%
China	351	805	10.45%	2.28%
Russian Fed	185	787	10.22%	2.23%
Canada	33	724	9.40%	2.05%
USA	231	662	8.59%	1.88%
Finland	67	543	7.05%	1.54%
Brazil	21	530	6.88%	1.50%
Japan	110	473	6.14%	1.34%
Europ&Baltic	-329	387	5.02%	1.10%
<b>Total Top Ten World</b>		<b>7 704</b>	<b>100%</b>	<b>22%</b>

Countries - top ten ECE	Code	# request	% top ten	% of total
Russian Fed	185	787	22.85%	2.23%
Canada	33	724	21.02%	2.05%
USA	231	662	19.22%	1.88%
Turkey	223	229	6.65%	0.65%
Kazakhstan	108	213	6.18%	0.60%
Belgium	255	198	5.75%	0.56%
Luxembourg	256	162	4.70%	0.46%
Bulgaria	27	159	4.62%	0.45%
Albania	3	157	4.56%	0.45%
Ukraine	230	153	4.44%	0.43%
<b>Total Top Ten ECE</b>		<b>3 444</b>	<b>100%</b>	<b>9.77%</b>

Countries - top ten E	Code	# request	% top ten	% of total
Finland	67	543	16.30%	1.54%
UK	229	379	11.38%	1.08%
Sweden	210	365	10.96%	1.04%
Germany	79	349	10.48%	0.99%
Poland	173	297	8.92%	0.84%
France	68	293	8.80%	0.83%
Latvia	119	286	8.59%	0.81%
Lithuania	126	276	8.29%	0.78%
Austria	11	275	8.26%	0.78%
Estonia	63	268	8.05%	0.76%
<b>Total Top Ten EUROSTAT</b>		<b>3331</b>	<b>100%</b>	<b>9.45%</b>

Countries - top ten FAO	Code	# request	% top ten	% of total
China	351	805	26.41%	2.28%
Japan	110	473	15.52%	1.34%
Australia	10	286	9.38%	0.81%
Chile	40	276	9.06%	0.78%
Korea Rep	117	262	8.60%	0.74%
Argentina	9	242	7.94%	0.69%
Viet Nam	237	185	6.07%	0.52%
New Zealand	156	177	5.81%	0.50%
Cyprus	50	174	5.71%	0.49%
Malta	134	168	5.51%	0.48%
<b>Total Top Ten FAO</b>		<b>3048</b>	<b>100%</b>	<b>8.65%</b>

Countries - top ten IT	Code	# request	% top ten	% of total
Brazil	21	530	18.93%	1.50%
Indonesia	101	383	13.68%	1.09%
India	100	335	11.96%	0.95%
Mexico	138	323	11.54%	0.92%
Malaysia	131	308	11.00%	0.87%
Colombia	44	261	9.32%	0.74%
Thailand	216	197	7.04%	0.56%
Venezuela	236	184	6.57%	0.52%
Cambodia	115	140	5.00%	0.40%
Peru	170	139	4.96%	0.39%
<b>Total Top Ten ITTO</b>		<b>2800</b>	<b>100%</b>	<b>7.94%</b>

**Countries requested by IWG agency:**

Source	Requested	% of total
FAO	11488	33%
Mixed	6639	19%
EUROSTAT	6831	19%
ECE	5601	16%
ITTO	4683	13%
<b>Total</b>	<b>35242</b>	<b>100%</b>



3. How many products are being retrieved in the average query?

Products/query	Queries	% of total
1	11 095	81.12%
1 to 5	1 659	12.13%
6 to 10	311	2.27%
11 to 20	153	1.12%
>20	460	3.36%
	<b>13 678</b>	<b>100%</b>

41 412	Items requested
3.03	Average per query
1	median
8.67	Standard Deviation

Which are the most requested products?

Top ten products

Products	Code	# request	% top ten	% of total
FOREST PRODUCTS	-1877	1 243	11.99%	3.00%
Plywood	1640	1 232	11.88%	2.97%
SAWNWOOD	1872	1 220	11.76%	2.95%
INDUSTRIAL ROUNDWOOD	1865	1 099	10.60%	2.65%
ROUNDWOOD	1861	1 078	10.39%	2.60%
Particle Board	1646	1 032	9.95%	2.49%
Sawnwood (C)	1632	949	9.15%	2.29%
PAPER AND PAPERBOARD	1876	841	8.11%	2.03%
INDUSTRIAL ROUNDWOOD(C)	1866	841	8.11%	2.03%
WOOD FUEL	1864	836	8.06%	2.02%
<b>Top Ten total</b>		<b>10 371</b>	<b>100%</b>	<b>25%</b>

Product cluster requests	% of total
Roundwood, Sawnwood, Woodbased Panels	
All items	25 030 60.4%
Aggregated and showing all subitems	7 903 19.1%
Pulp, paper and paperboard	
All items	7 238 17.5%
Aggregated and showing all subitems	1 241 3.0%

4. What are the flows being looked for?

flow/query	Code	Queries	% of total
1. Flows	9 046	51 PRODUCTION	38.7%
2.	4 972	91 EXPORTS (Quantity)	21.3%
3.	4 663	61 IMPORTS (Quantity)	19.9%
4.	2 481	92 EXPORTS (Value)	10.6%
5.	2 216	62 IMPORTS (Value)	9.5%
	<b>23 378</b>		<b>100.0%</b>

requests of flows	Number of queries	% of total	
Queries	1	10226 75%	23378 Items requested
	3	1344 10%	1.47 Average per query
	5	1564 11%	1.00 median
	2	438 3%	1.39 Standard Deviation
	4	106 1%	
	<b>13678</b>	<b>100%</b>	

5. How important is the ECE region in FAOSTAT?

35243	total countries requested
13556	Number of ECE regions requested
38.46%	% of valid request with focus on the ECE region

6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages? How many null or bad queries were there?

The average query asked for 2.58 countries and for 3.03 products.

7. How many total queries are there? How many total records downloaded? What are monthly trends?

Total downloads reported by the FAO:

115 000 Total Number of queries  
 80 000 Number of invalid records (<1 and >5000). The September file was a special case as there was a computed search from one IP  
 11 FAO (public)  
 23 252 Number of valid queries  
 13678 Number of queries considered in the analysis  
 Valid queries are those returning at least one record and less than 5000  
 We also excluded requests originating at FAO  
 21.3 % of the queries demanded a very simple information with one record per query.  
 61.5 % of the queries requested demanded more than 10 records and more than 26 % had more than 100 records per query.

8. Are we looking at recent years or history? How many years are requested?

Top Years requested	Frequency	Importance
2004	10 284	5.4%
2003	6 659	3.5%
2002	5 809	3.1%
2001	5 447	2.9%
2000	5 399	2.8%
	<b>33 598</b>	<b>17.7%</b>

189 787 Years requested  
 11.9 Average  
 2.0 Median  
 16.0 standard deviation

Top five number of years requested/query

Queries	Importance
1	7 424 31.9%
44	1 103 4.7%
5	946 4.1%
15	752 3.2%
2	428 1.8%
	<b>10 653 45.8%</b>

Explanatory Note about the excluded files:

The high number of total downloads in the September Log-file indicated an irregularity in the database use.

115450	Total downloads
97853	Valid
74601	University Hamburg
9574	Canada, University of British Columbia
13678	Number of downloads analysed

\*Excluded files from University of Hamburg:

From the reported 115450 total downloads 97853 were valid requests. Among these 74601 downloads referred to only one IP address. This IP number corresponds to the University of Hamburg (IP '134.100.254.237'). A first investigation about the download pattern revealed, that the totality of the downloads had been done within 24 hours between September 29th and 30th. We think that an automated request was effected by a special programme, as it was able to make up to 8 requests per second. The downloaded information covered all products, years and countries. As this total download from the University didn't show any preferences, we decided to exclude the IP address from the analysis, as it would have had a big impact on the results (over 76% of the valid downloads). No analysis of these downloads was done.

\*\*Excluded files from British Columbia:

A second IP address (University of British Columbia) was excluded from the analysis. Again we guess an automated request lies behind the figures. The big number of queries submitted (9000) within one day, has a significant impact on the analysis. The query from Canada was downloading all information about five roundwood subitems such as Roundwood, Sawn Wood, Wood Based Panels, Charcoal and Chips and Particles (see below). The request was for all Areas/Countries, Years and Flows.

University of British Columbia:	Number of downloads
SAWNWOOD	2344
ROUNDWOOD	2244
WOOD-BASED PANELS	2197
Wood Charcoal	1687
Chips and Particles	1099

1. How many records are being retrieved in the average query?
2. How many countries are being retrieved in the average query?
3. How many products are being retrieved in the average query?
4. What are the top five products/countries/flows being looked for?
5. How important is the ECE region in FAOSTAT?
6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?
7. How many total queries are there? How many total records downloaded? What are monthly trends? How many null or bad queries were there?
8. Where do queries come from? Who is asking? How concentrated are the queries from one source?

**Where did the requests come from?**

% of total	Count	IP	Location
4.38%	693	193.65.112.51	Joensuu, North Carelian Polytechnic
3.23%	511	194.100.106.1	Finland, Chempolis Oy, 90240 Oulu
2.41%	381	166.119.78.4	Japan, Tokyo, Ministry of Agriculture, Forestry and Fisheries
1.97%	311	128.214.53.6	Espoo FINLAND, Finnish University and Research Network
1.82%	288	83.250.36.20	Sweden, Com Hem AG, Telephone and Cable TV enterprise
<b>13.82%</b>	<b>2184</b>		

**1. How many records are being retrieved in the average query?**

Record count/que	Queries	%	# in average	
1	4874	30.8%	143.0	
2-10	2920	18.5%	Median	11
11-100	4406	27.9%	Standard devi	385.1
101-1000	2960	18.7%		
>1000	648	4.1%		
<b>Total</b>	<b>15808</b>	<b>100.0%</b>		

How many total records were downloaded  
2260148

**2. How many countries are being retrieved in the average query? Which countries are most frequently requested?**

Country-region/query	Queries	% of total	26311 total countries requested
1	13977	88.4%	1.66 average countries requested per query
2-5	1142	7.2%	
6-10	308	1.9%	
11-20	291	1.8%	
>20	90	0.6%	
<b>Total</b>	<b>15808</b>	<b>100.0%</b>	

Countries - top ten World Code	# request	% top ten	% of total
World	862	1551	18.6%
World	-862	1352	16.2%
China	351	860	10.3%
Brazil	21	764	9.2%
USA	231	745	8.9%
Russian Fed	185	664	8.0%
Finland	67	656	7.9%
Germany	79	613	7.4%
Canada	33	601	7.2%
France	68	525	6.3%
<b>Total Top Ten World</b>	<b>8331</b>	<b>100.0%</b>	<b>31.7%</b>

ECE Countries - top ten Code	# request	% top ten	% of total
USA	231	745	24.2%
Russian Fed	185	664	21.6%
Canada	33	601	19.5%
Turkey	223	256	8.3%
USSR	228	187	6.1%
N Amer Dvdp	302	150	4.9%
Ukraine	230	142	4.6%
Belgium	255	129	4.2%
N Amer Dvdp	-302	122	4.0%
Serbia-Monte	186	85	2.8%
<b>Total Top Ten ECE</b>	<b>3081</b>	<b>100.0%</b>	<b>11.7%</b>

EUROSTAT Countries - top ten Code	# request	% top ten	% of total
Finland	67	656	14.9%
Germany	79	613	13.9%
France	68	525	11.9%
Spain	203	473	10.7%
UK	229	463	10.5%
Sweden	210	438	9.9%
Austria	11	396	9.0%
Italy	106	308	7.0%
Denmark	54	270	6.1%
Estonia	63	266	6.0%
<b>Total Top Ten EUROSTAT</b>	<b>4408</b>	<b>100.0%</b>	<b>16.8%</b>

FAO Countries - top ten Code	# request	% top ten	% of total
China	351	860	28.3%
Japan	110	491	16.1%
Chile	10	300	9.9%
Argentina	40	293	9.6%
Korea, Republic o	117	272	8.9%
Australia	116	188	6.2%
South Africa	9	184	6.0%
Viet Nam	156	165	5.4%
Uruguay	120	152	5.0%
Cyprus	234	138	4.5%
<b>Total Top Ten FAO</b>	<b>3043</b>	<b>100.0%</b>	<b>11.3%</b>

ITTO Countries - top ten Code	# request	% top ten	% of total
Brazil	21	764	22.9%
Mexico	138	490	14.7%
Indonesia	101	442	13.2%
Malaysia	131	352	10.5%
India	100	308	9.2%
Ecuador	58	272	8.1%
Colombia	44	229	6.9%
Philippines	171	169	5.1%
Peru	170	159	4.8%
Venezuela	236	157	4.7%
<b>Total Top Ten ITTO</b>	<b>3342</b>	<b>100.0%</b>	<b>12.7%</b>

**Countries requested by IWG agency:**

Source	Requested	% of total
Mixed	6602	25.1%
EUROSTAT	6677	25.4%
FAO	4933	18.7%
ITTO	4064	15.4%
ECE	4035	15.3%
<b>Total</b>	<b>26311</b>	<b>100.0%</b>

3. How many products are being retrieved in the average query? Which are the most requested products?

Products/query	Queries	% of total
1	13149	83.2%
1 to 5	1628	10.3%
6 to 10	452	2.9%
11 to 20	206	1.3%
>20	373	2.4%
<b>Total</b>	<b>15808</b>	<b>100.0%</b>

Items requested  
 40977 Items requested  
 2.6 Average per query  
 1 median  
 7.3 Standard Deviation

Top ten products

Products	Code	# request	% top ten	% of total
ROUNDWOOD	1861	1421	12.8%	3.5%
INDUSTRIAL ROI	1865	1378	12.4%	3.4%
FOREST PRODU	-1877	1275	11.5%	3.1%
Newsprint	1671	1245	11.2%	3.0%
SAWNWOOD	1872	1241	11.2%	3.0%
Sawnwood (C)	1632	989	8.9%	2.4%
Plywood	1640	986	8.9%	2.4%
Particle Board	1646	951	8.6%	2.3%
Sawnwood (NC)	1633	806	7.3%	2.0%
INDUSTRIAL ROI	1867	777	7.0%	1.9%
<b>Top Ten total</b>		<b>11069</b>	<b>100.0%</b>	<b>27.0%</b>

Product cluster requests		% of total
Roundwood, Sawnwood, Woodbased Panels		
All items	23103	56.4%
Aggregated and showing all	7012	17.1%
Pulp, paper and paperboard		
All items	9555	23.3%
Aggregated and showing all	1309	3.2%

4. What are the flows being looked for?

flow/query	Code	Queries	% of total
1.	9620	51 PRODUCTION	42.0%
2.	4878	91 EXPORTS (Q)	21.3%
3.	4617	61 IMPORTS (Q)	20.2%
4.	1960	92 EXPORTS (V)	8.6%
5.	1810	62 IMPORTS (V)	7.9%
	<b>22885</b>		<b>100.0%</b>

requests of flows	Queries	Number of qt	% of total
1	1	10126	78.2%
2	2	498	11.0%
3	3	4317	5.5%
4	4	115	4.1%
5	5	752	1.3%
		<b>15808</b>	<b>100.0%</b>

5. How important is the ECE region in FAOSTAT?

26311 total countries requested  
 4035 Number of ECE regions requested  
 0.15 % of valid request with focus on the ECE region

6. What is of greater interest, country or product? Should FAOSTAT have better country pages or product pages?

How many null or bad queries were there?

The average query asked for 1.66 countries and for 2.59 products.

7. How many total queries are there? How many total records downloaded? What are monthly trends?

Total downloads reported by the FAO:

18709 Total Number of queries  
 2901 Number of invalid records (<1 and >5000)  
 4 FAO (public)  
 15808 Number of valid queries

Valid queries are those returning at least one record and less than 5000  
 We also excluded requests originating at FAO

30,6 % of the queries demanded a very simple information with one record per query.  
 27,9 % of the queries requested demanded more than 10 records and more than 18,7 % had more than 100 records per query.

8. Are we looking at recent years or history? How many years are requested?

105532 Years requested  
 6.71647603 Average per query  
 1 median  
 11.8608659 Standard Deviation

Top Years requested	Frequency	Importance
2004	10509	10.0%
2003	7109	105844.2%
2002	6103	610300.0%
2000	5488	46269.8%
2001	5419	#DIV/0!
	<b>34628</b>	<b>#DIV/0!</b>

Top five number of years

requested/query	Queries	Importance
1	9690	61.3%
44	1017	6.4%
5	762	4.8%
15	660	4.2%
9	461	2.9%
	<b>12590</b>	<b>79.6%</b>