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## STATISTICAL SOFTWARE

Prepared by UNSD

1. At the forth CCSA meeting it was suggested that a list of sharable statistical applications should be compiled in order to create an inventory of initiatives of statistical applications that could possibly be shared by organizations. Consequently, UNSD created and circulated a questionnaire among CCSA members. This document presents the results of this exercise: a list of sharable statistical applications as of 31 January 2005. The attached list contains information regarding the purpose of the application, the development platform and status as well as the licensing and terms of support.
2. The Committee is invited to take note of this inventory and decide what further steps are to be taken.

## Survey of sharable statistical applications

As of 31 January 2005

Organization	United Nations Statistics Division/OECD
Name of the application	Commodity Trade Database (COMTRADE)
Description	<p>Every year over 130 countries provide the United Nations Statistics Division and OECD with their annual international trade statistics, detailed by commodity and partner country. These data are processed into a standard format with consistent coding and valuation. All values are converted into US dollars using exchange rates supplied by the countries, or derived from monthly market rates and volume of trade. Quantities are, if provided by the country and if possible, converted into metric units. The data are then stored in a computerized data base system, called UN COMTRADE. For many countries the data coverage starts as far back as 1962 and goes up to the most recent completed year.</p> <p>Commodities are classified according to SITC (Rev.1 from 1962, Rev.2 from 1976 and Rev.3 from 1988) and the Harmonized System (HS) (from 1988 with revisions in 1996 and 2002). Currently most data are reported according to HS, version 2002. The original data are also converted and stored in all the other classifications.</p>
Natural language	English
Intended audience	Internet, Intranet users
Development status	Production/Stable
Distribution license	Application and code base are available to international organization after signing and MoU with UNSD.
Programming environment	MSSQL/.NET
Available support	Support available on cost recovery basis
Contact	

Organization	United Nations/UNICEF
Name of the application	DevInfo
Description	<p>DevInfo is a tool to assist countries in their reporting on the MDGs. It has simple and user-friendly features that can be used to produce tables, graphs and maps for inclusion in MDG reports, presentations and advocacy materials. The software supports both standard and user defined indicators. The standard set of indicators (the 48 MDG indicators) are at the core of the package and cannot be modified. However, at the</p>

	regional and country levels, database administrators have the option to add their own sets of local indicators to their databases
Natural language	English, French, Arabic, Chinese, Russian, Spanish, support for other languages
Intended audience	Users at national level, Users at international organization
Development status	Version 4.0: Production/Stable Version 5.0: Planning/Development
Distribution license	Royalty-free distribution of application
Programming environment	MS Visual Studio, MS Access
Available support	Support available through helpdesk and technical support group/lab. In country missions available for technical training and support.
Contact	Nicolas Pron npron@unicef.org Jesper Moller jepser.moller@undp.org

Organization	European Central Bank
Name of the application	Gesmes/TS Suite
Description	<p>The Suite provides a modular framework to convert between different formats for the exchange of multi-dimensional data sets of time series and associated metadata. It is based on the SDMX information model. Here, "conversion" can also mean: loading the data from a file into a database or retrieving it from there and creating a file.</p> <p>Particularly, the Suite supports creating Gesmes/TS file contents from FAME databases and, conversely, creating FAME databases from Gesmes/TS files. Other reading and writing modules can be developed and dynamically linked via a configuration file to extend the Suite and thus adapt it to a local database or communications infrastructure. This way, e.g. Gesmes/TS files can be loaded into an organisation's database or produced out of it. Developer documentation is available on to kick-start writing extension modules.</p>
Natural language	English
Intended audience	No restriction on users (it can be used as a standalone software); developers, too, may use the software's Java API.
Development status	Production/Stable
Distribution license	Application and code base are available to international organization after signing and MoU with UNSD.
Programming	Open Source (ECB/SIS public license)

environment	
Available support	Support only provided to a limited group of organisations, but several international organisations are in fact members of this group.
Contact	<a href="mailto:sis.external@ecb.int">sis.external@ecb.int</a>

Organization	United Nations/UNCTAD
Name of the application	Trade Analysis and Information System (TRAINS) operated by the World Integrated Trade Solution (WITS) software
Description	TRAINS contains information on Imports, Tariffs, Para-Tariffs and Non-Tariff Measures for over 150 countries since 1988. The data on tariffs, para-tariffs and non-tariff measures are available at the most detailed commodity level of the national tariffs based on Harmonized System (HS). The WITS software provides, in addition to easy access to the TRAINS database with various data retrieval options, a more elaborated analytical tool by allowing users to construct custom queries. It also allows users to simulate an effect of tariff reductions, such as those proposed in the WTO negotiations or in regional trade agreements.
Natural language	English
Intended audience	Internet, Users at international organizations
Development status	Production/Stable
Distribution license	Application and code base are available to international organization after signing and MoU with UNSD.
Programming environment	MSSQL, Client/Server
Available support	On-line HELP functions, Interactive WITS Forum or by e-mail.
Contact	Direct Registration at <a href="http://wits.worldbank.org/witsweb">http://wits.worldbank.org/witsweb</a> or e-mail to <a href="mailto:Wits@UNCTAD-TRAINS.org">Wits@UNCTAD-TRAINS.org</a>

Organization	United Nations/UNCTAD
Name of the application	Economic Time Series (ETS) Database
Description	ETS is a repository database, containing about 2 million time series. It includes data quarried from other international organizations and national statistical offices as well as series originated within the UNCTAD secretariat. Incoming data are processed using standard coding, flagging and format to ensure easy tabulation and cross-reference. Where available, data coverage goes from 1948 to the most recent years. Apart from some quarterly data, most of the time series are annual. ETS contains regularly updated time series as well as historical series that are no longer updated but are kept for the reference purposes.

Natural language	English
Intended audience	Intranet statistical users
Development status	Production/Stable
Distribution license	Accessible to all UNCTAD users upon request
Programming environment	MS Access, Visual Basic
Available support	In-house support available
Contact	UNCTAD , Henri Laurencin@UNCTAD-NOTES

Organization	United Nations/UNCTAD
Name of the application	IntraStat
Description	<p>IntraStat is the UNCTAD intranet gateway to statistical information. Designed as a cooperative tool, IntraStat has three primary objectives: 1) to improve the quality and consistency of statistics released in UNCTAD publications and documents; 2) to share common datasets, classifications, methodology, data presentation; and 3) to learn more about the needs of UNCTAD analysts, economists and statisticians. Organized by theme and by institutional provider, IntraStat enables users to readily access UNCTAD dynamically updated datasets, world-wide statistical applications, databases, as well as relevant background and reference materials. Following embedded metadata and descriptive materials, IntraStat's search engine assists users to efficiently identify the resources most relevant to their needs.</p> <p>With the aim of facilitating work tasks, providing a consensus building and knowledge management enabler, as well as supplying a statistical knowledge depository, IntraStat's "News &amp; Events", "Frequently Asked Questions", "Focal Points" and "Discussion Forum" features allow users the opportunity to announce important events, activities, publications, to discover helpful tips, proven methods and successful procedures furnished by experienced users, and to contemplate unfolding trends and issues of ongoing mutual interest.</p>
Natural language	English
Intended audience	Intranet statistical users
Development status	In development
Distribution license	Accessible to all UNCTAD users upon request
Programming environment	Based on SQL database manage by Microsoft SQL server & Java Script
Available support	In-house support available
Contact	UNCTAD, Henri Laurencin@UNCTAD-NOTES

Organization	World Trade Organization
Name of the application	Integrated Data Base (IDB) and Consolidated Tariff Schedules (CTS) Database
Description	<p>IDB:</p> <p>WTO Members provide the WTO Secretariat with submissions of tariffs and annual imports (value and quantities) by country of origin at the tariff line level for the Integrated Data Base (IDB). This is a notification requirement under the WTO. The WTO Secretariat processes the information into a standard format with standard codes, converts import values to US dollars using an exchange rate supplied by the reporting Member or the annual average exchange rate published by the IMF. More than 100 Members (the EU counted as one) and acceding countries provide information for the IDB. The data is processed using MS Access and there is one Access database for each country period. Each month, the data are also loaded to an SQL database where information for all country periods are stored together in a set of logically linked tables. Data coverage extends from 1996, the beginning year for the notification requirement and goes up to the most recently notified year. The tariff line information is available in the HS 1992, HS 1996 and HS 2002 nomenclatures, depending on the year of data and the nomenclature used by the reporting Member.</p> <p>CTS:</p> <p>The Consolidated Tariff Schedules database (CTS) contains all WTO Members' concessions on goods in a standardized format. This includes Members' tariff commitments (bound tariffs) and specific commitments in agriculture (domestic support, export subsidies and tariff quota information). The database has been established as a working tool only, without implications as to the legal status of the information therein. The original coding of commitments has been expanded to at least the standard HS 6-digit nomenclature. The information is available at the tariff line level for many Members. Commitments are recorded in the HS 1992, HS 1996 and HS 2002 nomenclatures, depending on the nomenclature used in the Member's schedule and whether the Member has updated its schedule from HS 1992, which was the nomenclature used in the Uruguay round, to the HS 1996 nomenclature. A few Member's CTS files are in the HS 2002 nomenclature and a project is about to be initiated to convert all the CTS files to the HS 2002 nomenclature. The data is processed using MS</p>

	<p>Access and there is one Access database for each country period. Each month, the data are also loaded to an SQL database where information for all Members are stored together in a set of logically linked tables.</p> <p>The IDB and CTS database are overseen by the WTO Committee on Market Access, which decides on granting access to the databases for intergovernmental organizations upon request. Currently the following organizations have access:</p> <p>Andean Community Secretariat,  Caribbean Regional Negotiating Machinery,  Caribbean Community Secretariat (CARICOM),  Commonwealth Secretariat,  Food and Agricultural Organization,  International Monetary Fund,  International Textiles and Clothing Bureau,  International Trade Center,  Organisation for Economic Co-operation and Development,  Pacific Islands Forum Secretariat,  United Nations Conference on Trade and Development,  United Nations Economic Commission for Europe,  United Nations Economic and Social Commission for Asia and the Pacific  World Bank.</p>
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Modules:

Name of the module	IDB/CTS Internet File Transfer Facility (FTF)
Description	Each month the WTO Secretariat loads recently processed IDB and CTS files in MS Access and text formats to the FTF where authorized users can download the files to their PC's
Natural language	English, French, Spanish
Intended audience	Authorized users (see above)
Development status	Production/Stable
Distribution license	Access must be approved by the WTO Committee on Market Access – after approval, free-of-charge
Programming environment	Lotus Domino
Available support	Support provide by the International Computing Centre where the application is housed and by the WTO Secretariat
Contact	idb@wto.org

Name of the module	IDB/CTS Internet Analysis Facility (IAF)
Description	The IAF permits authorized users to analyze IDB and CTS information. There are facilities for product selection according to flexible tariff and trade criteria and for compiling a number of analytical reports, for which the report data can be exported for further analysis with desktop software.
Natural language	English, French, Spanish
Intended audience	Authorized users (see above) with Internet connections
Development status	Production/Stable but not yet finished – additional reports and features are under development
Distribution license	Access must be approved by the WTO Committee on Market Access – after approval, free-of-charge
Programming environment	HTML, VBscript, JavaScript, Visual Basic, Java, ASP
Available support	Support provide by the International Computing Centre where the application is housed and by the WTO Secretariat
Contact	idb@wto.org

Name of the module	IDB CD-ROM
Description	The IDB CD-ROM provides similar but more limited facilities as the IAF (described above) and is CD-ROM-based rather than Internet-based. It is distributed to authorized users twice a year in June and December. The WTO Secretariat is working on a portable version of the IAF, which will eventually replace the IDB CD-ROM.
Natural language	English
Intended audience	Authorized users (see above)
Development status	Production/Stable
Distribution license	Access must be approved by the WTO Committee on Market Access – after approval, free-of-charge
Programming environment	C, C++, Visual Basic, proprietary DBMS
Available support	Support provided by the WTO Secretariat
Contact	idb@wto.org

Organization	U.S. Bureau of the Census/Measure DHS/Serpro S.A.
Name of the application	CSPRO (Census and Survey Processing System)
Description	CSPRO is a public-domain software package for entering, editing, tabulating and mapping census and survey data. In 1999, ORC Macro's MEASURE DHS+ project and the U.S. Bureau of the Census teamed together, along with SerPro S.A., to develop a Windows-based software package to replace the existing DOS-based packages ISSA (Integrated

	<p>System for Survey Analysis) and IMPS (Integrated Microcomputer Processing System). Those packages had been used for more than 15 years as the standards for Demographic and Health Survey processing and census processing in developing countries. The resulting software was CSPro.</p> <p>CSPro combines and expands upon the capabilities of both ISSA and IMPS. It takes advantage of the power and flexibility of both of these programs, but adds the friendliness, ease of use, and intuitive nature of Windows. CSPro provides a more visual approach to the creation and manipulation of data and reduces the programming needs. This easy to use package facilitates defining data structures, developing applications, entering and checking data, generating reports, and producing tabulations. More advanced users, including computer programmers, can access the full CSPro language to perform more complicated tasks.</p> <p>CSPro consists of modules for Data Entry, Batch Editing and Processing, and Cross Tabulation, as well as Designer modules for creating Data Dictionaries and Data Entry Forms, and for writing applications. It also includes a set of tools, including Text Viewer, Table Viewer, Map Viewer, Table Retrieval, Tabulate Frequencies, Sort Data, Export Data, Reformat Data, Compare Data, Convert Dictionary, and Convert Shape to Map.</p>
Natural language	English
Intended audience	Users at national level (primary), Users at international organizations, developers
Development status	Production/Stable
Distribution license	Freely available, but not open source.
Programming environment	Windows/ Visual C++
Available support	Phone, Email (csp@lists.census.gov), Internet forum (www.csp.org, www.census.gov/ipc/www/csp)
Contact	International Assistance , International Programs Center, U.S. Census Bureau Washington, DC 20233-8860 USA Voice: 1-301-763-1451 Fax: 1-301-457-3033 E-mail: CSp@lists.census.gov

	<p>MEASURE DHS+ Data Archive  ORC Macro  11785 Beltsville Drive  Calverton, MD 20705-3119  USA  Voice: +1 (301) 572-0851  Fax: +1 (301) 572-0999  E-mail: CSPro@orcmacro.com</p> <p>Serpro, S.A.  Encomenderos 260, Suite 83  Las Condes  Santiago  Chile  Voice: +56 (2) 335-8253  Fax: +56 (2) 334-4755  E-mail: serpro@serpro.com</p>
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Organization	United Nations/ITU
Name of the application	World Telecommunication Indicators Database, (8th Edition), see <a href="http://www.itu.int/ITU-D/ict/publications/world/world.html">http://www.itu.int/ITU-D/ict/publications/world/world.html</a> .
Description	<p>The World Telecommunication Indicators Database contains time series data for the years 1960, 1965, 1970 and annually from 1975-2003 for around 80 sets of telecommunication statistics (updated) covering telephone network size and dimension, mobile services, quality of service, traffic, staff, tariffs, revenue and investment. Data for 2003 are available for selected indicators such as main telephone lines in operation, mobile cellular subscribers and Internet users. Subscribers to the annual electronic subscription will have access to 2003 data as it becomes available. Selected demographic, macro-economic, broadcasting and information technology statistics are also included.</p> <p>Data for over 200 economies are available. Notes explaining data exceptions are also included. The data are collected from an annual questionnaire sent out by the Telecommunication Development Bureau (BDT) of the ITU. Additional data are obtained from reports provided by telecommunication ministries, regulators and operators and from ITU staff reports. In some cases, estimates are made by ITU staff; these are noted in the database.</p>
Natural language	English
Intended audience	Internet and paying costumers

Development status	Production/Stable
Distribution license	Application will be available to international organization after signing and MoU with ITU.
Programming environment	WIN*STARS v5.0.
Available support	On-line HELP functions.
Contact	magpantay@itu.int

Organization	United Nations/FAO
Name of the application	FAOSTAT Processing System
Description	The FAOSTAT Processing System focuses on all activities related to the compilation, editing and processing of FAOSTAT time series data, prior to its dissemination over the Internet/Intranet. This includes data entry, data editing and validation, data generation, data analysis and creation of system outputs.
Natural language	English
Intended audience	Intranet users
Development status	In development
Distribution license	Application and code base are available to international organization after signing and MOU with FAO/ESS.
Programming environment	MSSQL/.NET
Available support	
Contact	FAO

Organization	United Nations/FAO
Name of the application	FAOSTAT Metadata and reference system:
Description	The FAOSTAT Metadata and reference system will allow users to consult and maintain common codes, classifications, concepts and definitions, statistical methodology, etc.
Natural language	English, French, Spanish, Arabic, Chinese
Intended audience	Intranet/Internet users
Development status	In development
Distribution license	Application and code base are available to international organization after signing and MOU with FAO/ESS.
Programming environment	MSSQL/.NET
Available support	
Contact	FAO

Organization	United Nations/FAO
Name of the application	FAOSTAT Data quality and monitoring system
Description	This system will allow to monitor data quality indicators as well as to produce reports by country, commodities or subjects.
Natural language	English
Intended audience	Intranet users
Development status	In development
Distribution license	Application and code base are available to international organization after signing and MOU with FAO/ESS.
Programming environment	MSSQL/.NET
Available support	
Contact	FAO

Organization	United Nations/FAO
Name of the application	FAOSTAT portal
Description	<p>Users of FAOSTAT portal will be able to select statistical data and metadata and subsequently to either display and visualize the selected information using the functionality provided by the portal, or download the information and use it locally. For this reason, the portal will provide the following functionality:</p> <ul style="list-style-type: none"> <li>· Data and metadata selection: different data selection options will be implemented, going from simple browsing of data and/or metadata to complex multidimensional selection options, including options to support flexible cross-domain querying.</li> <li>· Display and visualization: functionality to display data and metadata (including sorting, aggregating and filtering options) and visualize the selected data in different formats (tabular format, charts or maps) will be provided. The graphing functionality provided through the FAOSTAT portal does not need to be very sophisticated, as many users may prefer to use their own more powerful graphing tools once they have downloaded data. Data should be displayed in a consistent way together with the metadata to ensure that information is presented to users in a transparent and comprehensible manner.</li> <li>· Download: selected data and metadata will be easily downloadable in standard formats (CSV, Excel, XML, etc) in a way that the user could easily save the information and use local tools to visualize and analyze it. Functionality and formats for reporting and printing (PDF) need to be</li> </ul>

	considered as well.
Natural language	English, French, Spanish, Arabic, Chinese
Intended audience	Intranet/Internet users
Development status	In development
Distribution license	Application and code base are available to international organization after signing and MOU with FAO/ESS.
Programming environment	MSSQL/.NET
Available support	
Contact	FAO

Organization	United Nations/FAO
Name of the application	FAOSTAT Yearbook management module
Description	This module will allow to pre-view, generate and edit the different tables and reports conforming volumes 1 and 2 of the FAO Statistical Yearbook.
Natural language	English, French, Spanish, Arabic, Chinese
Intended audience	Intranet users
Development status	In development
Distribution license	Application and code base are available to international organization after signing and MOU with FAO/ESS.
Programming environment	MSSQL/.NET
Available support	
Contact	FAO

Organization	United Nations/FAO
Name of the application	FAOSTAT Yearbook management module
Description	This module will allow to pre-view, generate and edit the different tables and reports conforming volumes 1 and 2 of the FAO Statistical Yearbook.
Natural language	English, French, Spanish, Arabic, Chinese
Intended audience	Intranet users
Development status	In development
Distribution license	Application and code base are available to international organization after signing and MOU with FAO/ESS.
Programming environment	MSSQL/.NET
Available support	
Contact	FAO

Organization	Eurostat, European Commission
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Name of the application	RAMON
Description	Oracle database containing Official nomenclatures in the Eu25 languages, correspondence tables and other metadata information.
Natural language	English, French
Intended audience	Internet, Intranet users Users at national level and at international organizations
Development status	Production/Stable
Distribution license	
Programming environment	Oracle + Cold Fusion
Available support	For EU
Contact	Georges Pongas georges.pongas@cec.eu.int

Organization	UNCTAD
Name of the application	Economic Time Series (ETS) Database
Description	ETS is a repository database, containing about 2 million time series. It includes data quarried from other international organizations and national statistical offices as well as series originated within the UNCTAD secretariat. Incoming data are processed using standard coding, flagging and format to ensure easy tabulation and cross-reference. Where available, data coverage goes from 1948 to the most recent years. Apart from some quarterly data, most of the time series are annual. ETS contains regularly updated time series as well as historical series that are no longer updated but are kept for the reference purposes.
Natural language	English
Intended audience	Intranet users
Development status	Production/Stable
Distribution license	Accessible to all UNCTAD users upon request
Programming environment	MS Access, Visual Basic
Available support	In house
Contact	UNCTAD

Organization	UNCTAD
Name of the application	IntraStat
Description	IntraStat is the UNCTAD intranet gateway to statistical information. Designed as a cooperative tool, IntraStat has three primary objectives: 1) to improve the quality and consistency of statistics released in UNCTAD publications

	<p>and documents; 2) to share common datasets, classifications, methodology, data presentation; and 3) to learn more about the needs of UNCTAD analysts, economists and statisticians. Organized by theme and by institutional provider, IntraStat enables users to readily access UNCTAD dynamically updated datasets, world-wide statistical applications, databases, as well as relevant background and reference materials. Following embedded metadata and descriptive materials, IntraStat's search engine assists users to efficiently identify the resources most relevant to their needs.</p> <p>With the aim of facilitating work tasks, providing a consensus building and knowledge management enabler, as well as supplying a statistical knowledge depository, IntraStat's "News &amp; Events", "Frequently Asked Questions", "Focal Points" and "Discussion Forum" features allow users the opportunity to announce important events, activities, publications, to discover helpful tips, proven methods and successful procedures furnished by experienced users, and to contemplate unfolding trends and issues of ongoing mutual interest.</p>
Natural language	English
Intended audience	Intranet users
Development status	Production/Stable
Distribution license	Accessible to all UNCTAD users upon request
Programming environment	Based on SQL database manage by Microsoft SQL server & Java Script
Available support	In house
Contact	UNCTAD