

Simple Modelling Tools for Trade Policy Analysis

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Training on using WITS

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Bangkok, Thailand

Note: Slides are drawn from UNCTAD presentations

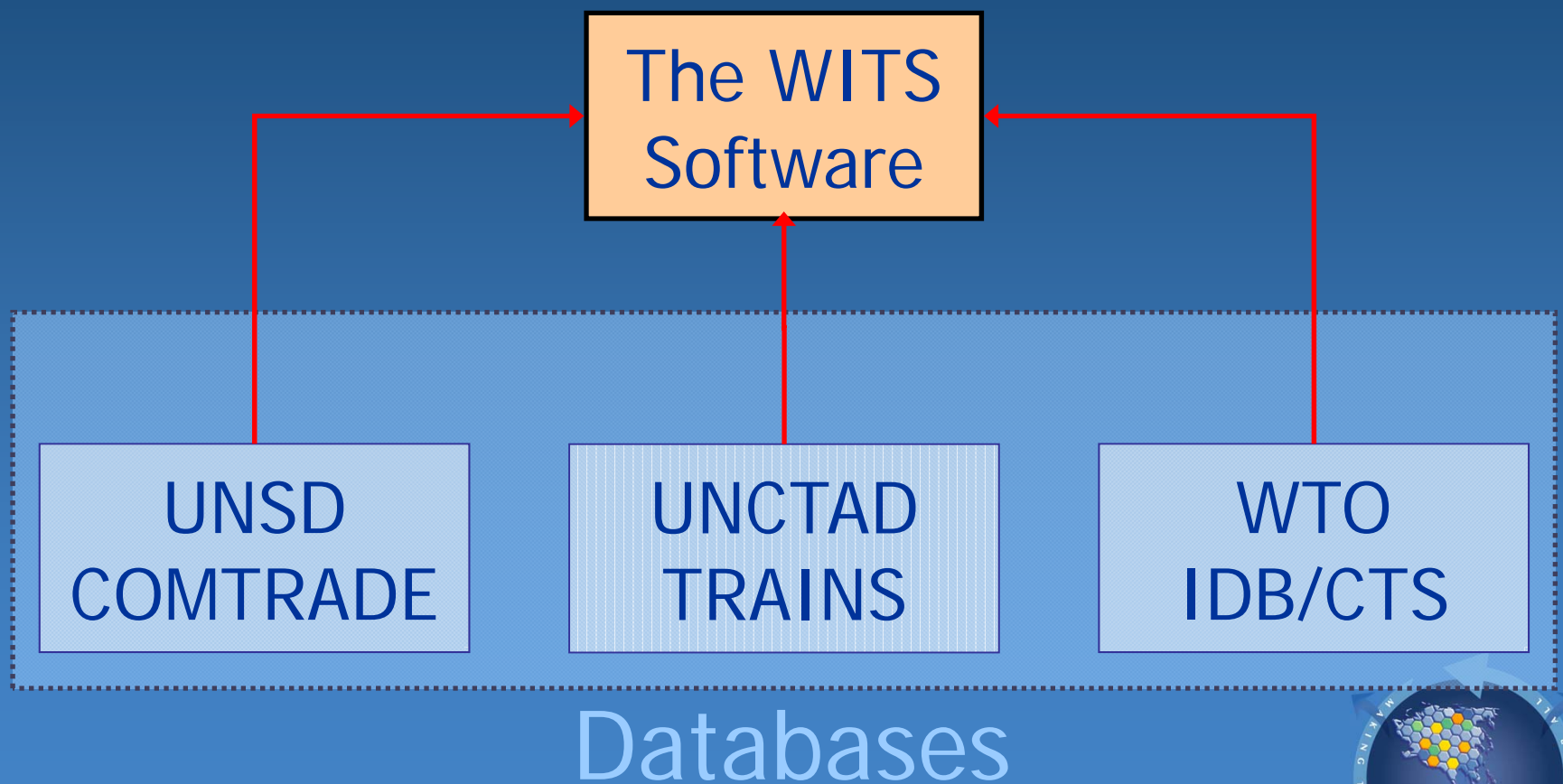
Outline

- What is WITS and How to Access
- Quick search
- Advanced search
- SMART Simulations on tariff formulation and tariff cuts



What is WITS?

WITS is a software, not a database,
but it sits on databases.



The WITS Technology

WITS is client-server based



The WITS **Server**
WB – HQ

Connected
via Internet



The WITS **Client**
Your computer

Hosts the Databases

No data



What is WITS?

The WITS software is both :

- A **gateway** to trade and protection statistics
- An **analytical tool** :
 - Data extraction and analysis
 - Tariff change simulations



Getting Access to WITS

A 2 step process:

1. Registration is required for first time users
2. Connect to WITS server through Internet

For all information and registration,
visit WITS website at:
<http://wits.worldbank.org>

Databases of WITS

- TRAINS (**UNCTAD**)
- COMTRADE (**UN Statistics Division**)
- Integrated Database (IDB-**WTO**)
- Consolidated Tariff Schedule (CTS-**WTO**)

Databases of WITS

- **COMTRADE**
 - SITC Rev 1: 1962 –
 - SITC Rev 2: 1972 –
 - SITC Rev 3: 1988 –
 - SITC Rev 4: 2007 –
 - Four versions of HS (1988/92, 1996, 2002 and 2007)



A word on Nomenclatures

- Trade data have been recorded according to several product nomenclatures depending on the database and year:
 - Standard International Trade Classification (SITC)
 - Harmonized Commodity Description and Coding System (HS)
- Data can be displayed in some other nomenclatures thanks to concordances and up to HS 6 digit level.

Databases of WITS

- **WTO IDB**
 - Notification by member states on current tariff (MFN applied) and import statistics.
 - From Jan. 2010, WTO secretariat may collect data if not notified
- **WTO CTS**
 - Collection of Uruguay Round commitments
 - Based on HS 1996 nomenclature, converted in WITS to various revisions

Data contents of TRAINS

- **Tariff measures** at national tariff line level for 165 countries (over 1100 country/years since 1988), including preferential rates such as **RTA** and **GSP** in many cases

Primary data are drawn from

UN TARMAC

UN Tariff and Market Access Database

A joint effort with the

International Trade Centre, UNCTAD/WTO (ITC)



Data contents of TRAINS (continued)

- **Import statistics** by origin at Harmonized System (HS) 6-digit level for every country-year by constructing mirror imports where necessary
- **Non-Tariff Measures** classified according to UNCTAD Coding System of Trade Control Measures (97 countries, 150 country/years)



Data Accessibility

- **TRAINS:** Free access to all
- **COMTRADE:** Free access to UN Organizations, free access up to 50,000 records for all, otherwise against a fee
- **WTO:** Access to WTO member governments and selected international organizations (Since 1 January 2010, tariff data are freely accessible by all)

WITS Functionality

- **Data retrieval and analysis**
 - Quick Search
 - Advanced Query
 - Trade and Tariff Simulations

Quick Search

UN COMTRADE by Product

Extract trade statistics from COMTRADE for
**one product (*at any level of aggregation
for an available nomenclature*)**

***e.g. Extract imports of Fresh Roses (HS
060311) in 2009 by every country from
the Netherland***

Home > Quick Search > UN COMTRADE By Product



UN COMTRADE By Product ?

UN COMTRADE By Product function enables you to search for trade values and quantities for one product (or product category) and one year at a time. You can however select multiple reporters and partners. This module is helpful in identifying country's major trading partners (importers or exporters) for a specific product category. [More details...](#)

Nomenclature : HS 2007

Year : 2009

Flow : Gross Import

Tier : Sub-Heading (all 6-digit HS codes)

Product : 060311 -- Fresh roses

Reporters :

Cape Verde -CPV
Chile -CHL
China -CHN
Colombia -COL
Costa Rica -CRI
Cote d'Ivoire -CIV
Croatia -HRV
Cyprus -CYP
Czech Republic -CZE
Denmark -DNK

Selected Reporters :

Albania -ALB
Algeria -DZA
Argentina -ARG
Armenia -ARM
Aruba -ABW
Australia -AUS
Austria -AUT
Azerbaijan -AZE
Belarus -BLR
Belgium -BEL

Added 103 reporter(s)

Partners:

Morocco -- MAR
Mozambique -- MOZ
Myanmar -- MMR
Namibia -- NAM
Nauru -- NRU
Nepal -- NPL
Netherlands -- NLD
Netherlands Antilles -- ANT
Neutral Zone -- NZE
New Caledonia -- NCL

Selected Partners :

Netherlands -- NLD

Added 1 partner(s)

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WITS - COMTRADE By Pro... <http://wits.worldbank.org/WITS/WITS/QuickQuery/ComtradeByProduct/ComtradeByProduct.aspx?Page=COMTRADEByProduct>

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Nomenclature	ReporterCode	ReporterName	ProductCode	PartnerCode	PartnerName	Year	TradeFlowName	TradeValue in 1000 USD
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
H3	008	Albania	060311	528	Netherlands	2009	Gross Imports	1.944
H3	012	Algeria	060311	528	Netherlands	2009	Gross Imports	17.746
H3	036	Australia	060311	528	Netherlands	2009	Gross Imports	6.893
H3	040	Austria	060311	528	Netherlands	2009	Gross Imports	37,964.298
H3	051	Armenia	060311	528	Netherlands	2009	Gross Imports	109.595
H3	056	Belgium	060311	528	Netherlands	2009	Gross Imports	26,782.196
H3	070	Bosnia Herzg	060311	528	Netherlands	2009	Gross Imports	1,332.508
H3	100	Bulgaria	060311	528	Netherlands	2009	Gross Imports	878.707
H3	112	Belarus	060311	528	Netherlands	2009	Gross Imports	3,252.8
H3	124	Canada	060311	528	Netherlands	2009	Gross Imports	194.241
H3	132	Cape Verde	060311	528	Netherlands	2009	Gross Imports	7.642
H3	156	China	060311	528	Netherlands	2009	Gross Imports	75.455
H3	158	Asia Othr.ns	060311	528	Netherlands	2009	Gross Imports	4.127
H3	191	Croatia	060311	528	Netherlands	2009	Gross Imports	1,822.586
H3	196	Cyprus	060311	528	Netherlands	2009	Gross Imports	230.882
H3	203	Czech Rep	060311	528	Netherlands	2009	Gross Imports	14,696.946
H3	208	Denmark	060311	528	Netherlands	2009	Gross Imports	20,777.427
H3	214	Dominican Rp	060311	528	Netherlands	2009	Gross Imports	12.198
H3	231	Ethiopia	060311	528	Netherlands	2009	Gross Imports	38.799
H3	233	Estonia	060311	528	Netherlands	2009	Gross Imports	3,484.626
H3	234	Faeroe Is	060311	528	Netherlands	2009	Gross Imports	103.546
H3	246	Finland	060311	528	Netherlands	2009	Gross Imports	11,253.361
H3	250	France+Monac	060311	528	Netherlands	2009	Gross Imports	144,948.492
H3	276	Germany	060311	528	Netherlands	2009	Gross Imports	248,832
H3	344	Hong Kong	060311	528	Netherlands	2009	Gross Imports	35.389
H3	352	Iceland	060311	528	Netherlands	2009	Gross Imports	1.867
H3	372	Ireland	060311	528	Netherlands	2009	Gross Imports	8,482.414
H3	380	Italy	060311	528	Netherlands	2009	Gross Imports	70,346.364
H3	392	Japan	060311	528	Netherlands	2009	Gross Imports	1,009.641
H3	398	Kazakhstan	060311	528	Netherlands	2009	Gross Imports	499.278
H3	400	Jordan	060311	528	Netherlands	2009	Gross Imports	36.313
H3	410	Korea Rep.	060311	528	Netherlands	2009	Gross Imports	.645
H3	417	Kyrgyzstan	060311	528	Netherlands	2009	Gross Imports	16.864

Quick Search

UN COMTRADE by Country Period

Extract trade statistics from COMTRADE for **one** (reporting) country period and **one (or all)** partner country.

*e.g. Extract all imports of Japan in 2009
from the World at HS2007, 4-digit level*



Logout

Quick Search ▾ Advanced Query ▾ Tariff and Trade Simulations ▾ Results ▾ Utilities ▾ Support Materials ▾

Home > Quick Search > UN COMTRADE By Country Period



UN COMTRADE By Country Period ?

UN COMTRADE By Country/Period provides you with trade values and quantities of all traded products for one reporting country, one year, and one or all partners. This module helps to identify most traded products (imports and exports) for a given country. In selecting products, the selected tier defines products that will be displayed. As an example, by selecting 4-digit product codes from the tier selection box, data for the 4-digit product codes will be retrieved. [More details...](#)

Nomenclature: HS 2007 ▾

Tier: Heading (all 4-digit HS codes) ▾

Reporter: Japan - JPN ▾

Year: 2009 ▾

Flow: Gross Imports ▾

Partner: China -- CHN ▾

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Source: UN Comtrade.

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Nomenclature	ReporterCode	ReporterName	ProductCode	PartnerCode	PartnerName	Year	TradeFlowName	TradeValue in 1000 USD
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
H3	392	Japan	0101	000	World	2009	Gross Imports	92,147.079
H3	392	Japan	0101	036	Australia	2009	Gross Imports	4,242.542
H3	392	Japan	0101	056	Belgium	2009	Gross Imports	6,054.295
H3	392	Japan	0101	124	Canada	2009	Gross Imports	23,947.896
H3	392	Japan	0101	250	France+Monac	2009	Gross Imports	1,061.678
H3	392	Japan	0101	276	Germany	2009	Gross Imports	2,522.579
H3	392	Japan	0101	554	New Zealand	2009	Gross Imports	85.596
H3	392	Japan	0101	826	Untd.Kingdom	2009	Gross Imports	19,856.15
H3	392	Japan	0101	840	USA,PR,USVI	2009	Gross Imports	34,376.343
H3	392	Japan	0102	000	World	2009	Gross Imports	23,748.643
H3	392	Japan	0102	036	Australia	2009	Gross Imports	23,748.643
H3	392	Japan	0103	000	World	2009	Gross Imports	1,588.878
H3	392	Japan	0103	124	Canada	2009	Gross Imports	89.412
H3	392	Japan	0103	208	Denmark	2009	Gross Imports	152.35
H3	392	Japan	0103	372	Ireland	2009	Gross Imports	231.858
H3	392	Japan	0103	528	Netherlands	2009	Gross Imports	291.044
H3	392	Japan	0103	752	Sweden	2009	Gross Imports	146.508
H3	392	Japan	0103	826	Untd.Kingdom	2009	Gross Imports	270.304
H3	392	Japan	0103	840	USA,PR,USVI	2009	Gross Imports	407.402
H3	392	Japan	0104	000	World	2009	Gross Imports	114.643
H3	392	Japan	0104	036	Australia	2009	Gross Imports	114.643
H3	392	Japan	0105	000	World	2009	Gross Imports	8,274.919
H3	392	Japan	0105	124	Canada	2009	Gross Imports	1,260.127
H3	392	Japan	0105	250	France+Monac	2009	Gross Imports	1,477.108
H3	392	Japan	0105	348	Hungary	2009	Gross Imports	25.07
H3	392	Japan	0105	826	Untd.Kingdom	2009	Gross Imports	803.421
H3	392	Japan	0105	840	USA,PR,USVI	2009	Gross Imports	4,709.194
H3	392	Japan	0106	000	World	2009	Gross Imports	36,241.174
H3	392	Japan	0106	032	Argentina	2009	Gross Imports	5.198
H3	392	Japan	0106	036	Australia	2009	Gross Imports	103.024
H3	392	Japan	0106	040	Austria	2009	Gross Imports	99.112
H3	392	Japan	0106	056	Belgium	2009	Gross Imports	2,956.423
H3	392	Japan	0106	076	Brazil	2009	Gross Imports	6.945

Quick Search

Find a tariff from TRAINS or WTO IDB

Find detailed tariff rates (MFN and preferential rates, including non-ad valorem rates and their ad valorem equivalents (AVEs)) for :

one product (tariff line level)

one country

*e.g. Indonesian tariffs in 2009 on motor vehicles
of 870322 1110 (from TRAINS)*



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Quick Search ▾ Advanced Query ▾ Tariff and Trade Simulations ▾ Results ▾ Utilities ▾ Support Materials ▾

Home > Quick Search > Tariff - Find A Tariff

Tariff - Find A Tariff ?

Find a Tariff module allows users to view tariff rates by selecting from one data source (UNCTAD or WTO), one market, one year, one or all duty codes. You would have to select from specific nomenclature, tier, product code. Once you select a specific product line, you can select from list of tariff-line-level codes. Also depending on the selected source of tariff data, you may need to select the methodology for estimating ad-valorem-equivalent rates. [More details...](#)

Data Source: TRAINS-Raw Data ▾

Market: Indonesia ▾ Year: 2009 ▾

Duty Code: All Duty Codes ▾

Nomenclature: HS 2007 <Reported> ▾ Tier: Sub-Heading (all 6-digit HS codes) ▾

Product: 870322 -- Vehicles (excl. of 87.02 & 8703.10) principally designed for the transport of persons, with spark-ignition ▾

Tariff Line: 8703221110 - Motor cars and other motor vehicles principally designed for the transport of persons (other than those of heading 87.03.10) ▾

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NomenCode	Reporter_ISO_N	ReporterName	ProductCode	Partner	Year	AdValorem	MeasureCode	MeasureName	NonAdVal
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
H3	360	Indonesia	8703221110	000	2009	15.00	002	MFN duties (Applied)	
H3	360	Indonesia	8703221110	410	2009	0.00	026	Preferential tariff for the republic of Korea	
H3	360	Indonesia	8703221110	N52	2009	5.00	022	Preferential tariff for ASEAN countries	

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Quick Search

**View and Export Raw Data from
TRAINS, WTO IDB or WTO CTS**

Download detailed tariff rates (MFN and preferential rates, including non-ad valorem rates and their ad valorem equivalents (AVEs)) as well as Non-Tariff Measures (NTMs) for :

all products (tariff line level)
one country

*e.g. Brazilian MFN tariff schedules of 2009 (from
TRAINS)*



ESCAP

Economic and Social Commission for Asia and the Pacific





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Quick Search ▾ Advanced Query ▾ Tariff and Trade Simulations ▾ Results ▾ Utilities ▾ Support Materials ▾

Home > Quick Search > Tariff - View And Export Raw Data

Tariff - View And Export Raw Data ?

This option provides you with the tariff line level duties. You can select from one data source (TRAINS or WTO databases), one reporter country (importer), one year, and all or one type of duties applied to all countries (markets). If you select a tariff type including ad-valorem-rates, you would also have to select from the any of the 4 available calculation methods (UNCTAD 1 and 2, WTO 1 and 2). [More details...](#)

Data Source: TRAINS-Raw Data ▾

Market: Brazil ▾

Year: 2009 ▾

Duty Code: Pref. tariff (MFN) for Monde ▾

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NomenCode	Reporter_ISO_N	ReporterName	ProductCode	Partner	Year	AdValorem	MeasureCode	MeasureName
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
H3	076	Brazil	01011010	000	2009	0.00	002	MFN duties (Applied)
H3	076	Brazil	01011090	000	2009	4.00	002	MFN duties (Applied)
H3	076	Brazil	01019010	000	2009	2.00	002	MFN duties (Applied)
H3	076	Brazil	01019090	000	2009	4.00	002	MFN duties (Applied)
H3	076	Brazil	01021010	000	2009	0.00	002	MFN duties (Applied)
H3	076	Brazil	01021090	000	2009	0.00	002	MFN duties (Applied)
H3	076	Brazil	01029011	000	2009	2.00	002	MFN duties (Applied)
H3	076	Brazil	01029019	000	2009	2.00	002	MFN duties (Applied)
H3	076	Brazil	01029090	000	2009	2.00	002	MFN duties (Applied)
H3	076	Brazil	01031000	000	2009	0.00	002	MFN duties (Applied)
H3	076	Brazil	01039100	000	2009	2.00	002	MFN duties (Applied)
H3	076	Brazil	01039200	000	2009	2.00	002	MFN duties (Applied)
H3	076	Brazil	01041011	000	2009	0.00	002	MFN duties (Applied)
H3	076	Brazil	01041019	000	2009	0.00	002	MFN duties (Applied)
H3	076	Brazil	01041090	000	2009	2.00	002	MFN duties (Applied)
H3	076	Brazil	01042010	000	2009	0.00	002	MFN duties (Applied)
H3	076	Brazil	01042090	000	2009	2.00	002	MFN duties (Applied)
H3	076	Brazil	01051110	000	2009	0.00	002	MFN duties (Applied)
H3	076	Brazil	01051190	000	2009	2.00	002	MFN duties (Applied)
H3	076	Brazil	01051200	000	2009	2.00	002	MFN duties (Applied)

Quick Search

Detailed tariff rates from TRAINS, WTO IDB or WTO CTS

Data Sources: *Raw data from TRAINS, WTO IDB or WTO CTS*

In addition: *Ad valorem Equivalents (AVEs) of non-ad valorem rates according to three four different methodology:*

1. UNCTAD Method1 based on own unit value
2. UNCTAD Method2 based on world unit value
3. WTO Agricultural Negotiation Forum proposal
4. WTO non-Agricultural (NAMA) Negotiation Forum proposal

More detailed description of AVE methodology later



Quick Search

Detailed import statistics (tariff-line level)
from
TRAINS or WTO IDB

Download detailed import statistics at the level beyond HS 6-digit for:

all products (tariff line level)

one country

one or many partner countries

e.g. Imports of Republic of Korea in 1993 from all countries (from TRAINS)



Quick Search

Non-Tariff Measures

*Download row NTM data collected by
UNCTAD and classified according to:*

**UNCTAD Coding System of Trade
Control Measures** (for data up to 2008);
or

**Multi-Agency Classification of Non-
Tariff Measures** (for recent data)

*NOTE: The two classifications are available at
the WITS website under “Methodology”*



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[Home](#) > [Quick Search](#) > [Tariff - View And Export Raw Data](#)

Tariff - View And Export Raw Data ?

This option provides you with the tariff line level duties. You can select from one data source (TRAINS or WTO databases), one reporter country (importer), one year, and all or one type of duties applied to all countries (markets). If you select a tariff type including ad-valorem-rates, you would also have to select from the any of the 4 available calculation methods (UNCTAD 1 and 2, WTO 1 and 2). [More details...](#)

Data Source:

Market:

Year:

Duty Code:
[Select Duty Code]
All Duty Codes
A - Sanitary and phytosanitary measures
B - Technical barriers to trade
D - Price control measures
E - Quantity control measures
F - Para-tariff measures

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WITS										
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N	ReporterName	Year	ProductCode	NTMCODE	StartYear	StartMonth	PartialCoverageIndicator	Sources	MeasureName	Co
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Japan	2009	010110110	A110	2005	10	*	Domestic Animal Infectious Disease Control Law	Temporary geographic prohibition for SPS reasons	
	Japan	2009	010110110	A110	2008	6	*	Law concerning the Prevention of Infectious Diseases and Medical Care for Patients of Infectious Diseases	Temporary geographic prohibition for SPS reasons	
	Japan	2009	010110110	A140	2005	10	*	Domestic Animal Infectious Disease Control Law	Special Authorization for SPS reasons	
	Japan	2009	010110110	A140	2008	6	*	Law concerning the Prevention of Infectious Diseases and Medical Care for Patients of Infectious Diseases	Special Authorization for SPS reasons	
	Japan	2009	010110110	A190	2005	10	*	Domestic Animal Infectious Disease Control Law	Prohibitions or restrictions of products or substances because of SPS reasons n.e.s.	
	Japan	2009	010110110	A190	2008	6	*	Law concerning the Prevention of Infectious Diseases and Medical Care for	Prohibitions or restrictions of products or substances	

Quick Search

Results viewing or downloading

Results from any quick search option could be:

Viewed on the screen, that can be sorted or filtered (*not recommended for a large set of data*); or

Downloaded to PC in a selected data format

Data elements (columns of a table) to be viewed/downloaded may be selected by the user to reduce data transfer time.



View results: *select columns to be included*

WITS - COMTRADE By Pro... x

http://wits.worldbank.org/WITS/WITS/QuickQuery/ComtradeByProduct/ComtradeByProduct.aspx?Page=COMTRADEByProduct

multiple reporters and partners. This module is helpful in identifying country's major trading partners (importers or exporters) for a specific product category. More details...

WITS

Select Report Columns

Available Columns		Selected Columns	
Nomenclature	>> > < <<	Nomenclature	Up Down
Reporter Code		Reporter Code	
Reporter ISO3		Reporter ISO3	
Reporter Name		Reporter Name	
Product Code		Product Code	
Product Description		Partner Code	
Partner Code		Partner ISO3	
Partner ISO3		Partner Name	
Partner Name		Year	
Year		Trade Flow Name	
Trade Flow Code	TradeValue		
Trade Flow Name			
TradeValue			
Quantity			
Quantity Name			

Pivot Header : Select **Pivot Data :** Select

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View Data:

Filtering data: e.g. Ad Valorem rates >

	AdValorem	MeasureCode	Meas
	10		
	0.00		MFN dut Applied
	4.00		MFN dut Applied
	2.00	002	MFN dut (Applied)
	4.00	002	MFN dut

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NomenCode	Reporter_ISO_N	ReporterName	ProductCode	Partner	PartnerName	Year	AdValorem	MeasureCode	Meas
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	10 <input type="text"/>	<input type="text"/>	
H3	076	Brazil	02013000	000	World	2008	12.00	002	MFN dut (Applied)
H3	076	Brazil	02023000	000	World	2008	12.00	002	MFN dut (Applied)
H3	076	Brazil	04011010	000	World	2008	14.00	002	MFN dut (Applied)
H3	076	Brazil	04011090	000	World	2008	12.00	002	MFN dut (Applied)
H3	076	Brazil	04012010	000	World	2008	14.00	002	MFN dut (Applied)
H3	076	Brazil	04012090	000	World	2008	12.00	002	MFN dut (Applied)
H3	076	Brazil	04013010	000	World	2008	12.00	002	MFN dut (Applied)
H3	076	Brazil	04013021	000	World	2008	14.00	002	MFN dut (Applied)
H3	076	Brazil	04013029	000	World	2008	12.00	002	MFN dut (Applied)
H3	076	Brazil	04021010	000	World	2008	27.00	002	MFN dut (Applied)
H3	076	Brazil	04021090	000	World	2008	27.00	002	MFN dut (Applied)
H3	076	Brazil	04022110	000	World	2008	27.00	002	MFN dut (Applied)
H3	076	Brazil	04022120	000	World	2008	27.00	002	MFN dut (Applied)
H3	076	Brazil	04022130	000	World	2008	16.00	002	MFN dut (Applied)
H3	076	Brazil	04022910	000	World	2008	27.00	002	MFN dut (Applied)
H3	076	Brazil	04022920	000	World	2008	27.00	002	MFN dut (Applied)
H3	076	Brazil	04022930	000	World	2008	16.00	002	MFN dut (Applied)
H3	076	Brazil	04029100	000	World	2008	14.00	002	MFN dut (Applied)
H3	076	Brazil	04029900	000	World	2008	27.00	002	MFN dut (Applied)

Download: *provide output name and select columns to be included*

WITS - COMTRADE By Pro... x

http://wits.worldbank.org/WITS/QuickQuery/ComtradeByProduct/ComtradeByProduct.aspx?Page=COMTRADEByProduct

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その他のブックマーク

Job Name:

Job Description:

File Format:

Select Report Columns

Available Columns		Selected Columns
Nomenclature		Nomenclature
Reporter Code		Reporter Code
Reporter ISO3		Reporter ISO3
Reporter Name		Reporter Name
Product Code	>>	Product Code
Product Description	>	Partner Code
Partner Code		Partner ISO3
Partner Name	<	Partner Name
Year		Year
Trade Flow Code	<<	Trade Flow Name
Trade Flow Name		TradeValue
TradeValue		
Quantity		
Quantity Name		

Up

Down

Pivot Header :

Pivot Data :

Download Cancel

Added 1 partner(s)

Reset View Report Download



Download: *Select the downloaded file and save it on your PC*

WITS - Query Result

http://wits.worldbank.org/WITS/WITS/Results/Queryview/QueryView.aspx?Page=DownloadandViewResults&Download=true

Logout

Quick Search | Advanced Query | Tariff and Trade Simulations | Results | Utilities | Support Materials

Home > Results > Download and View Results

Download and View Results ?

Once you choose the download option from "Download and View Results screen", you can click on "Download Data" tab to check the status and save results on your desktop. [More details...](#)

View and Request Download | **Download Data**

ID	Query/Simulation Name	Save	Delete	Status	Source	Date	File Size	Total Rows
96	RosesFromNetherland			Completed	UN COMTRADE Data	9/8/2010 4:20:10 AM	2	61

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UNCTAD UNDP

Advanced Query for Trade statistics and Tariff data

Users construct queries comprising of:

- Reporter countries
- Products
- Partner countries
- Years
- Trade flow directions (*for trade statistics*)
- Tariff types (*for trade and tariff analysis*)

Advanced Query – Parameters

Reporter Countries

- Individual countries or user-defined groups of countries

Products

- Individual products, cluster of products, or user-defined aggregates of products in various product classifications (HS, SITC, ISIC, etc)

Advanced Query – Parameters

Partner Countries

- Same as Reporter Countries. “World” is treated as an individual country

Years

- Trade statistics from 1962
- Tariff data from 1988

Trade Flows (trade statistics)

- Imports, exports, re-imports, re-exports



Advanced Query Trade Statistics (example)

Query Name: TestAQ1

Reporter Countries

– Thailand, Canada, Korea

Products

– HS 8701, 8702, 8703

Partner Countries

– World, USA, India, Bangladesh, LAO, Fiji

Years

– 1990, 1995, 2000, 2005, 2009

Trade Flows (trade statistics)

– Gross Imports




WITS - Trade Data

← → ↻ 🏠

wits.worldbank.org/WITS/WITS/AdvanceQuery/RawTradeData/QueryDefinition.aspx?Page=RawTradeData

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Tariff and Trade Simulations ▾

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Home >Advanced Query > Trade Data (UN Comtrade)



Trade Data (UN Comtrade) ?

The UN COMTRADE Data option within the Advanced Query provides you with UNSD's trade value and quantity data. It allows you to construct sophisticated queries by including multiple reporters, partners, products, trade flows, and years in a single query. You can select from your own customized country and product groups or use pre-defined aggregates. Advanced Queries can be saved and reused. This is particularly useful for more complex queries. [More details...](#)

☒ New Query ☐ Existing Query

- Select a Query - ▾

Query Name:

Query Description:

Data Source:

COMTRADE ▾

Proceed

Delete

Reset

Source: UN Comtrade

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WITS - Trade Data Query ...

← → ↺ 🏠

wits.worldbank.org/WITS/WITS/AdvanceQuery/RawTradeData/QueryDefinitionSelection.aspx?Page=RawTradeData&querytoken=10178&selection=New

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Home > Advanced Query > Trade Data (UN Comtrade)

Trade Data (UN Comtrade) ?

Query Name:

Reporters:

Selected

Argentina -- ARG
Brazil -- BRA
Canada -- CAN
Dominican Republic -- DOM

<<-Modify->>

Products:

Selected

HS 1988/92 (Selected Classification)
8701 -- Tractors(other than tractors of heading 87.09)
8702 -- Motor vehicles for the transport of >=10 person
8703 -- Motor cars and other motor vehicles principally

<<-Modify->>

Partners:

Selected

World -- WLD
United States -- USA
Venezuela -- VEN
Zambia -- ZMB

<<-Modify->>

Years:

Selected

1990
1995
2000
2005
2009

<<-Modify->>

Selected

Gross Imports

WITS - Query Result

wits.worldbank.org/WITS/WITS/Results/Queryview/QueryView.aspx?Page=DownloadandViewResults

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WITS

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clature	ReporterISO3	ProductCode	ReporterName	PartnerISO3	PartnerName	Year	TradeFlowName	TradeFlowCode	TradeValue in 1000 USD
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	ARG	8701	Argentina	USA	United States	1995	Gross Imp.	1	13,983.914
	ARG	8701	Argentina	USA	United States	2000	Gross Imp.	1	12,521.425
	ARG	8701	Argentina	USA	United States	2005	Gross Imp.	1	21,047.107
	ARG	8701	Argentina	USA	United States	2009	Gross Imp.	1	21,856.161
	ARG	8701	Argentina	WLD	World	1995	Gross Imp.	1	57,217.06
	ARG	8701	Argentina	WLD	World	2000	Gross Imp.	1	65,314.962
	ARG	8701	Argentina	WLD	World	2005	Gross Imp.	1	397,332.065
	ARG	8701	Argentina	WLD	World	2009	Gross Imp.	1	175,758.043
	ARG	8702	Argentina	USA	United States	1995	Gross Imp.	1	344.744
	ARG	8702	Argentina	USA	United States	2000	Gross Imp.	1	47.45
	ARG	8702	Argentina	WLD	World	1995	Gross Imp.	1	21,060.52
	ARG	8702	Argentina	WLD	World	2000	Gross Imp.	1	67,325.263
	ARG	8702	Argentina	WLD	World	2005	Gross Imp.	1	88,679.518
	ARG	8702	Argentina	WLD	World	2009	Gross Imp.	1	50,667.95
	ARG	8703	Argentina	USA	United States	1995	Gross Imp.	1	56,841.576
	ARG	8703	Argentina	USA	United States	2000	Gross Imp.	1	36,496.939
	ARG	8703	Argentina	USA	United States	2005	Gross Imp.	1	12,076.711
	ARG	8703	Argentina	USA	United States	2009	Gross Imp.	1	64,934.693
	ARG	8703	Argentina	WLD	World	1995	Gross Imp.	1	774,814.336
	ARG	8703	Argentina	WLD	World	2000	Gross Imp.	1	798,872.999
	ARG	8703	Argentina	WLD	World	2005	Gross Imp.	1	1,602,536.178
	ARG	8703	Argentina	WLD	World	2009	Gross Imp.	1	2,621,087.963
	BRA	8701	Brazil	USA	United States	1990	Gross Imp.	1	3,564.487
	BRA	8701	Brazil	USA	United States	1995	Gross Imp.	1	11,439.278
	BRA	8701	Brazil	USA	United States	2000	Gross Imp.	1	8,879.345
	BRA	8701	Brazil	USA	United States	2005	Gross Imp.	1	4,315.176
	BRA	8701	Brazil	USA	United States	2009	Gross Imp.	1	27,375.938
	BRA	8701	Brazil	WLD	World	1990	Gross Imp.	1	4,840.529
	BRA	8701	Brazil	WLD	World	1995	Gross Imp.	1	36,794.096
	BRA	8701	Brazil	WLD	World	2000	Gross Imp.	1	35,149.206
	BRA	8701	Brazil	WLD	World	2005	Gross Imp.	1	24,678.204
	BRA	8701	Brazil	WLD	World	2009	Gross Imp.	1	76,970.368

Advanced Query

Reporter/Partner Countries Selection:

- Individual Countries or Groups of Countries
- If a Group is selected, breakdown by individual countries is possible
- A new Group can be constructed by users
(My Country Groups)
- For Partner, **World** is a single country



Select Reporters

Select reporting Countries from the Country List, Predefined Country Groups, and/or " My Country Groups". The latter option contains your customized country groups. You can also use " Include Country Group Breakdown" to get results for country components of country group aggregates.

Country List

Bosnia and Herzegovina -- BIH
Botswana -- BWA
Brazil -- BRA
Brunei -- BRN
Bulgaria -- BGR
Burkina Faso -- BFA
Burundi -- BDI



Predefined Country Groups

All countries All -- All
All high-income (OECD plus non-OECD countries) A
ALL OECD members -- OECD
EU25 --- EU25 members -- EU25
High-income OECD -- hiOECD
Least Developed Countries -- LDC
Low & Middle income East Asian & Pacific countries



My Country Groups



Argentina -- ARG
Brazil -- BRA
Canada -- CAN
Dominican Republic -- DOM

☐ Include Country Group Breakdown

Remove

Remove All

Proceed

Cancel

My Country Groups

Create a group:

e.g.

APF3 (a short name of the group with no space)

Asia Pacific and Africa (description of the group)

Consisting of India, Fiji and Nigeria

Select member countries of the group from individual country list or pre-existing Groups.

WITS - Country Group Builder

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wits.worldbank.org/WITS/WITS/MyOptions/CountryGroup/CountryGroup.aspx?Page=CreateCountryGroups

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Create Country Groups

Support Materials ▾

Create Product Groups

Create Country Groups

Home > Utilities > Create Country Groups

Create Country Groups ?

Country Groups provides you the tool to create your own customized group of countries. Once you create a new group, you can always use it at a later time, revise and edit your group and resave it. [More details...](#)

☒ New Group Name:

APF3

New Group Description:

Asia Pacific and Africa

☐ Change Existing Groups:

- Select a Group - ▾

Existing Group Name:

Existing Group Description:

Modify

Delete

Populate your group with countries:

Select from Individual Countries:

Neutral Zone -- NZE
New Caledonia -- NCL
New Zealand -- NZL
Nicaragua -- NIC
Niger -- NER
Nigeria -- NGA
Niue -- NIU

Select from Standard Country Groups:

All countries All -- All
All high-income (OECD plus non-OECD countries) A
ALL OECD members -- OECD
EU25 --- EU25 members -- EU25
High-income OECD -- hiOECD
Least Developed Countries -- LDC
Low & Middle income East Asian & Pacific countries

Select from My Country Groups:

India -- IND
Fiji -- FJI
Nigeria -- NGA

Added 3 Country(s)

wits.worldbank.org/WITS/WITS/MyOptions/CountryGroup/CountryGroup.aspx?Page=CreateCountryGroups

Remove All

Save

A new country group, **APF3**, has been added

All high income (OECD plus non-OECD countries) -- A
ALL OECD members -- OECD
EU25 --- EU25 members -- EU25
High-income OECD -- hioECD
Least Developed Countries -- LDC
Low & Middle income East Asian & Pacific countries

Select from My Country Groups:

Asia Pacific and Africa -- APF3

Advanced Query

Product Selection:

- Individual items, multiple products, cluster of products or aggregate of products, based on available nomenclatures
- A new aggregate can be constructed by users (My Product Groups)

Product Search

Nomenclature

Use Reported Nomenclature

Items

Search based on level of aggregation

>

Product

- Total Trade
- 01 -- Live animals
- 02 -- Meat and edible meat offal
- 03 -- Fish & crustacean, mollusc & other aquatic invertebrates
- 04 -- Dairy prod; birds' eggs; natural honey; edible preparations
- 05 -- Products of animal origin, nes or included elsewhere
- 06 -- Live tree & other plant; bulb, root; cut flowers or other floral parts
- 07 -- Edible vegetables and certain roots and tubers

>

Clusters

- ALL1 -- Chapter (all 2-digit HS codes)
- ALL2 -- Heading (all 4-digit HS codes)
- ALL3 -- Sub-Heading (all 6-digit HS codes)

>

Aggregates

Standard product Groups

- COMESA-CET1 -- Raw materials
- COMESA-CET2 -- Intermediate goods
- COMESA-CET3 -- Consumer goods
- COMESA-CET4 -- Capital goods
- WTO_H0_Aggri -- WTO H0 Aggricultural
- WTO_H0_Indus -- WTO H0 Industrial
- WTO_H0_Petro -- WTO H0 Petroleum

>

My Product Groups

8701 -- Tractors(other than tractors of heading 87.01.90)
8702 -- Motor vehicles for the transport of >=10 persons
8703 -- Motor cars and other motor vehicles principally designed for the transport of <10 persons

Advanced Query

Product Selection:

- Available nomenclatures:
 - Reported nomenclatures:
 - HS and SITC, all revisions (for COMTRADE)
 - HS Combined (for TRAINS and WTO)
 - Other supported nomenclatures:
 - CCCN, ISIC, BEC, CPC, etc

If a non-reported nomenclature is selected, a reported source nomenclature needs to be chosen from which to convert the data

Advanced Query

Product Selection:

- **Individual** items

With search option

- **multiple** products

By collapsing product trees

- **cluster** of products

By selecting all products at a given level of aggregation (e.g. all HS 4-digit products)

Advanced Query

Product Selection:

- **Aggregates** of products

Select from **pre-aggregated** products; or

Construct users' own aggregates
(**My Product Groups**) from:

*individual items;
multiple products; or
pre-aggregated products*

My Product Groups

Create a group:

e.g.

MMF (a short name of the group with no space)

Meat Milk and Fruit (description of the group)
Consisting of HS chapters 02, 04 and 08

Select products from individual items or multiple products.

Create Product Groups ?

Product Groups provide you the tool to create your own customized product groups. Once you create a new group, you can always use it at a later time, revise and edit your group and resave it. Please note that you would have to select the nomenclature from which you want to create a group of products. You can create these product groups in multiple product classifications. [More details...](#)

Nomenclature :

HS 2007

☒ New Group Name:

MME

New Group Description:

Meat Milk and Fruit

☐ Change Existing Groups:

- Select a Group -

Existing Group Name:

Existing Group Description:

Modify

Delete

Populate your group with products:

Select from individual products

Level of
Aggregation

Chapter (all 2-digit HS codes)

Enter a Product

>

Select from product tree

+ 05 -- Products of animal origin, not elsewhere
+ 06 -- Live trees and other plants; bulbs, roots
+ 07 -- Edible vegetables and certain roots and
+ 08 -- Edible fruit and nuts; peel of citrus fruit o
+ 09 -- Coffee, tea, matt and spices

>

Select from Standard product Groups

COMESA-CET1 -- Raw materials
COMESA-CET2 -- Intermediate goods
COMESA-CET3 -- Consumer goods

02 -- Meat and edible meat offal
04 -- Dairy produce; birds' eggs; natural honey; edit
08 -- Edible fruit and nuts; peel of citrus fruit or melc

Advanced Query

Tariff and Trade Analysis (example)

Query Name: TestAQ2

Reporter Countries

- EU, Ghana, Honduras, Japan, Malaysia

Products

- HS 8701, 8702, 8703

Partner Countries

- World

Years

- Latest year available

Tariff Types

- All types

WITS - Tariff and Trade An... x


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wits.worldbank.org/WITS/WITS/AdvanceQuery/TariffAndTradeAnalysis/AdvancedQueryDefinition.aspx?Page=TariffandTradeAnalysis

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Home >Advanced Query > Tariff and Trade Analysis

Tariff and Trade Analysis ?

Tariff and Trade Analysis option within the Advanced Query provides you with multiple tariff types and tariff rates from UNCTAD and WTO databases. It allows you to construct sophisticated queries by including multiple reporters, partners, products, and years in a single query. You can select from your own customized country and product groups or use pre-defined aggregates. Advanced Queries can be saved and reused. This is particularly useful for more complex queries. There are a lot of indicators from average tariff rates to standard deviations, international and domestic tariff peaks, minimum and maximum rates, etc. [More details...](#)

☒ New Query ☐ Existing Query

- Select a Query - ▾

Query Name:

TestAQ2

Query Description:

Test AQ with Tariff

Data Source:






TRAINS ▾

Proceed

Delete

Reset

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WITS Tariff and Trade Anal...

← → ↺ 🏠 wits.worldbank.org/WITS/WITS/AdvanceQuery/TariffAndTradeAnalysis/AdvancedQueryDefinitionSelection.aspx?Page=TariffandTradeAnalysis&querytoken=3219&selection=New ☆ 🔍

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Tariff and Trade Analysis ?

Query Name: TestAQ2

Importers/Reporters:

Selected

European Union -- EUN
Ghana -- GHA
Honduras -- HND
Japan -- JPN
Malaysia -- MYS

<<-Modify->>

Products:

Selected

HS - Combined (Selected Classification)
8701 -- Tractors (other than tractors of heading 87.09).
8702 -- Motor vehicles for the transport of ten or more persons, including the driver.
8703 -- Motor cars and other motor vehicles

<<-Modify->>

Exporters/Partners:

Selected

World -- WLD

<<-Modify->>

Years:

Selected

Use the latest available year

<<-Modify->>

Tariffs:

Selected

Include Effectively Applied rates
Include MFN Applied rates
Include MFN Bound rates
Include Preferential rates

<<-Modify->>

Adjust Years & Submit

Submit

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WITS - Query Result

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Reporter	Reporter Name	Product	Product Name	Partner	Tariff Year	DutyType	Simple Average	Weighted Average
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
288	Ghana	8701	Tractors (other than tractors of heading 87.09).	000	2009	AHS	1.46	3.01
288	Ghana	8701	Tractors (other than tractors of heading 87.09).	000	2009	BND	30.00	30.00
288	Ghana	8701	Tractors (other than tractors of heading 87.09).	000	2009	MFN	1.25	3.01
288	Ghana	8702	Motor vehicles for the transport of ten or more pe	000	2009	AHS	3.33	3.33
288	Ghana	8702	Motor vehicles for the transport of ten or more pe	000	2009	BND		
288	Ghana	8702	Motor vehicles for the transport of ten or more pe	000	2009	MFN	3.33	3.33
288	Ghana	8703	Motor cars and other motor vehicles principally de	000	2009	AHS	9.42	9.38
288	Ghana	8703	Motor cars and other motor vehicles principally de	000	2009	BND		
288	Ghana	8703	Motor cars and other motor vehicles principally de	000	2009	MFN	9.25	9.38
340	Honduras	8701	Tractors (other than tractors of heading 87.09).	000	2009	AHS	0.00	0.00
340	Honduras	8701	Tractors (other than tractors of heading 87.09).	000	2009	BND	16.25	12.53
340	Honduras	8701	Tractors (other than tractors of heading 87.09).	000	2009	MFN	0.00	0.00
340	Honduras	8702	Motor vehicles for the transport of ten or more pe	000	2009	AHS	11.18	11.24
340	Honduras	8702	Motor vehicles for the transport of ten or more pe	000	2009	BND	20.00	20.00

Trade policy research using WITS/TRAINS

SMART simulation model using WITS/TRAINS

- Tariff formulation and tariff cuts

Analytical Tools: SMART

(Single market simulation model)

- SMART:
 - Simulates the partial equilibrium impact of a tariff reduction for a single market
 - Three sets of elasticities (Demand, Supply and Substitution between two suppliers)
 - Can't easily capture the effects of a full round of tariff negotiations



Trade Effect Simulation

(Single market simulation model)

**For a given shock on tariff rates
(applied or bound), it calculates:**

- Trade Creation and Diversion effects
- Tariff revenue effect
- Welfare effect
- Importer and Exporter Views

Trade Effects Simulation

(Single market simulation model)

Assumptions:

- Each product is independent
- A same product from different supplier is an imperfect substitute
- Three sets of elasticities (Demand, Supply and Substitution between two suppliers)

Trade Effects Simulation

(Single market simulation model)

Example:

Market: European Union

Products: Motor vehicles of HS 8703

Tariff cut scenario: Duty free for Korean exports

Question: *What will be the loss (or gain) to Japanese exports of the same product?*





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SMART ?

SMART allows analysis of the impact of unilateral, preferential and multilateral trade reforms at home or abroad on variables including trade flows (imports, exports, trade creation, trade diversion), world prices, tariff revenues, and economic welfare. This market access analysis is a very useful tool that can be used to anticipate the likely economic effects of various policy alternatives. You can use databases from either UNCTAD or WTO. [More details...](#)

☒ **New Query** ☐ **Existing Query** - Select a Query -

SMART Query Name:

SMART Query Description:

Data Source: TRAINS

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Modify Scenario

☒ New Scenario ☐ Existing Scenario

DutyFreeKorea -- Duty Free to Korean Exports

Scenario Name:

DutyFreeKorea

Scenario Description:

Duty Free to Korean Exports

Save As

Add

Delete

Reset

Step 2

Partner:

Selected

Korea, Rep. -- KOR

<<-
Modify-
>>

Product:

Selected

HS - Combined (Selected Classification)

Total Trade

<<-
Modify-
>>

Formula

☒ New Rate

0



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[Home](#) > [Tariff and Trade Simulations](#) > [SMART](#)

SMART ?

Scenario Name:

Country:

Year:

Products:

Selected

HS - Combined (Selected Classification)
8703 -- Motor cars and other motor vehicles principally designed for the transport of persons (other than those of heading 87.02), including station wagons and racing cars. <<-Modify-->>

Scenario:

Selected

DutyFreeKorea -- Duty Free to Korean Exports <<-Modify-->>

Elasticity

Import Demand Elasticity: ☒ System Defined ☐ Other

Substitution Elasticity:

Supply Elasticity:

Apply Tariff Change on: ☒ Applied MFN rate ☐ Bound Rate

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Select Report View

Select the Report View

Detailed Data

Raw Data used for simulationa and simulation result



Exporter View Report

Description for Exporter View Report follows



Market View Report

Description for Market View Report



Revenue Impact Report

Description for Revenue Impact Report.....



Trade Creation Effect

Description for Trade Creation Effect



Trade Welfare Effect Report

Description for Trade Welfare Effect Report.....



Exporter View filtered for Japan

Close

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ReporterName	ProductCode	Partner_ISO_N	PartnerName	ExportsBefore in 1000 USD	ExportsAfter in 1000 USD	ExportChangeInRevenue in 1000 USD
<div></div>	<div></div>	<div></div>	japan <div></div>	<div></div>	<div></div>	<div></div>
European Union	8703	392	Japan	15,812,483.094	15,483,468.881	-329,013.644
European Union	870310	392	Japan	21,016.828	21,016.396	-.431
European Union	870321	392	Japan	376,216.375	357,560.906	-18,655.48
European Union	870322	392	Japan	2,759,922.75	2,704,991.75	-54,930.906
European Union	870323	392	Japan	4,624,837	4,555,193.5	-69,643.258
European Union	870324	392	Japan	1,013,478.563	1,011,700.875	-1,777.674
European Union	870331	392	Japan	263,139.313	261,344.953	-1,794.36
European Union	870332	392	Japan	5,381,301.5	5,205,075.5	-176,225.828
European Union	870333	392	Japan	1,123,970.75	1,118,048.75	-5,921.941
European Union	870390	392	Japan	248,600.016	248,536.25	-63.766

Exercises

WITS in a nutshell

- Enormously powerful instrument for retrieving and analyzing data
- Great care needed in interpreting the meaning of the data and the analysis
 - These are complex areas
- Helpful to trade negotiators, particularly in developing countries, as well as analysts



Thank you!

For more information, please visit

<https://wits.worldbank.org>