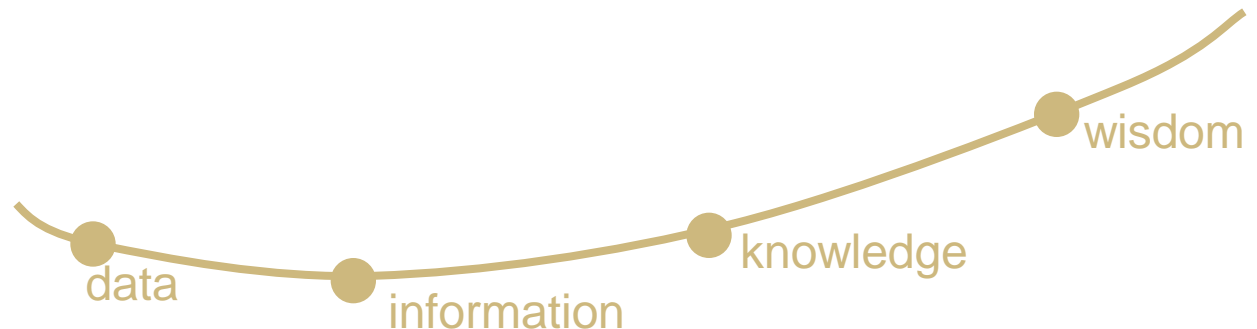




WTO/ESCAP 12th ARTNeT Capacity Building Workshop for Trade Research

*“Empirical methods in trade: Analyzing
non-tariff measures”*

Bangkok,
12-16 December 2016



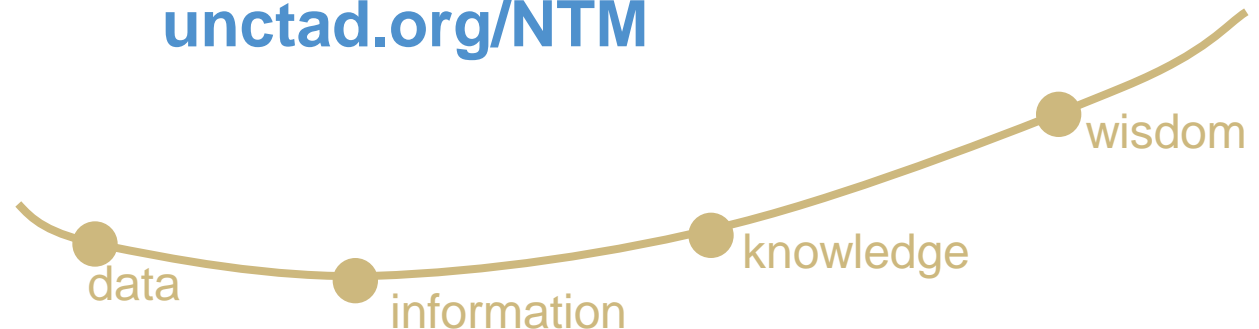


Monday – Session 2

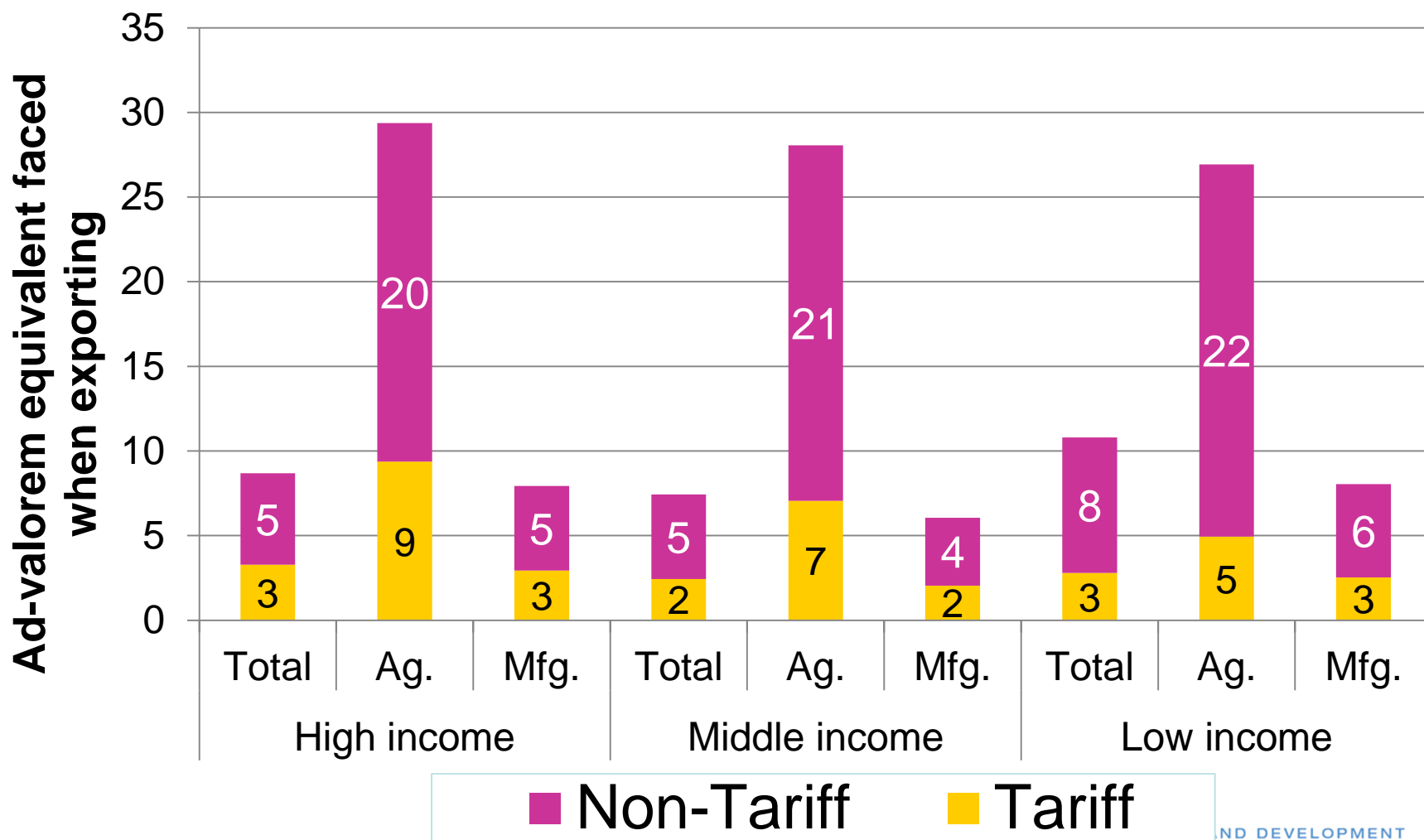
Available datasets & UNCTAD NTM programme

Christian Knebel, UNCTAD

unctad.org/NTM



Non-Tariff Measures are the most important trade policy instruments today



Definition of NTMs

- **NTM definition by (UNCTAD / GNTB-MAST):**
 - *“Non-tariff measures (NTMs) are policy measures, other than ordinary customs tariffs, that can potentially have an economic effect on international trade in goods, changing quantities traded, or prices or both.”*
- **Deardorff & Stern 1998: NTMs “defined by what they are not”**
→ VAST!

NTM, NTB, procedural obstacles, Trade Facilitation, private standards

- **NTB vs NTM:**

- NTM is a neutral concept – the whole “universe”
- NTBs = subset of NTMs (no agreed definition/criteria)
 - Negative effect (research, survey, complaints...)
 - Or protectionist intent,
 - Or legality (WTO, FTA, ...)

- **Procedural obstacles:**

- Hardly any (NTM) policy comes without procedure... e.g customs procedures, paperwork, delays in inspections
- Sometimes considered part of NTBs



NTM, NTB, procedural obstacles, TF, private standards

- **Trade Facilitation:**

- Mostly related to procedures (which come with every NTM)
- Low hanging fruit, as it is somehow independent of the policy dimension and only relates to pure "costs"

- **(private) standards:**

- "Standards" are voluntary, a priori
- industry standards to enable trade and value chains
- or driven by consumer preferences (GAP, FairTrade)
- can become *de facto* mandatory and highly restrictive
- Governments can make them *de jure* mandatory (=NTM)





NTM *policy* universe

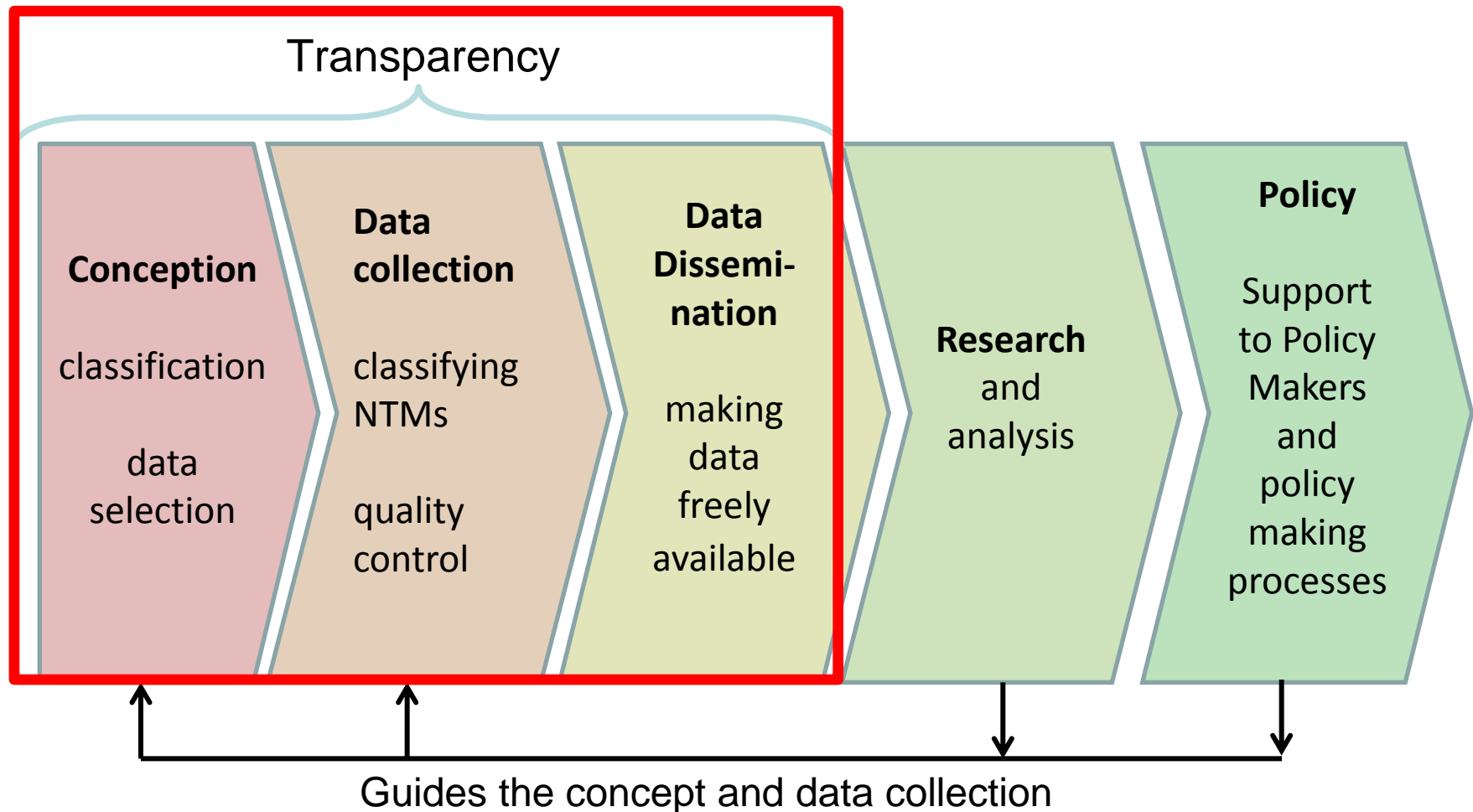
NTB policy &

NTB procedures

Private
standards



UNCTAD Non-Tariff Measure Programme



Transparency is lacking

- **Transparency is important**
 - NTMs complex ...
 - WTO notifications not comprehensive
 - Fundamental driver for harmonization of NTMs and elimination of NTBs
 - Less room for
 - Disguised protection
 - Corruption, discrimination, ..
 - Fosters public-private dialogue
 - Facilitates cooperation between countries' policy makers
 - Supports inter-ministerial policy coherence at home



Three types of data

Not to be mixed or mistaken

- 1. "Official Measures"

- Requirements enacted within a legal text or regulation issued officially by a country.

(Notifications to WTO in this category)

- 2. Survey data

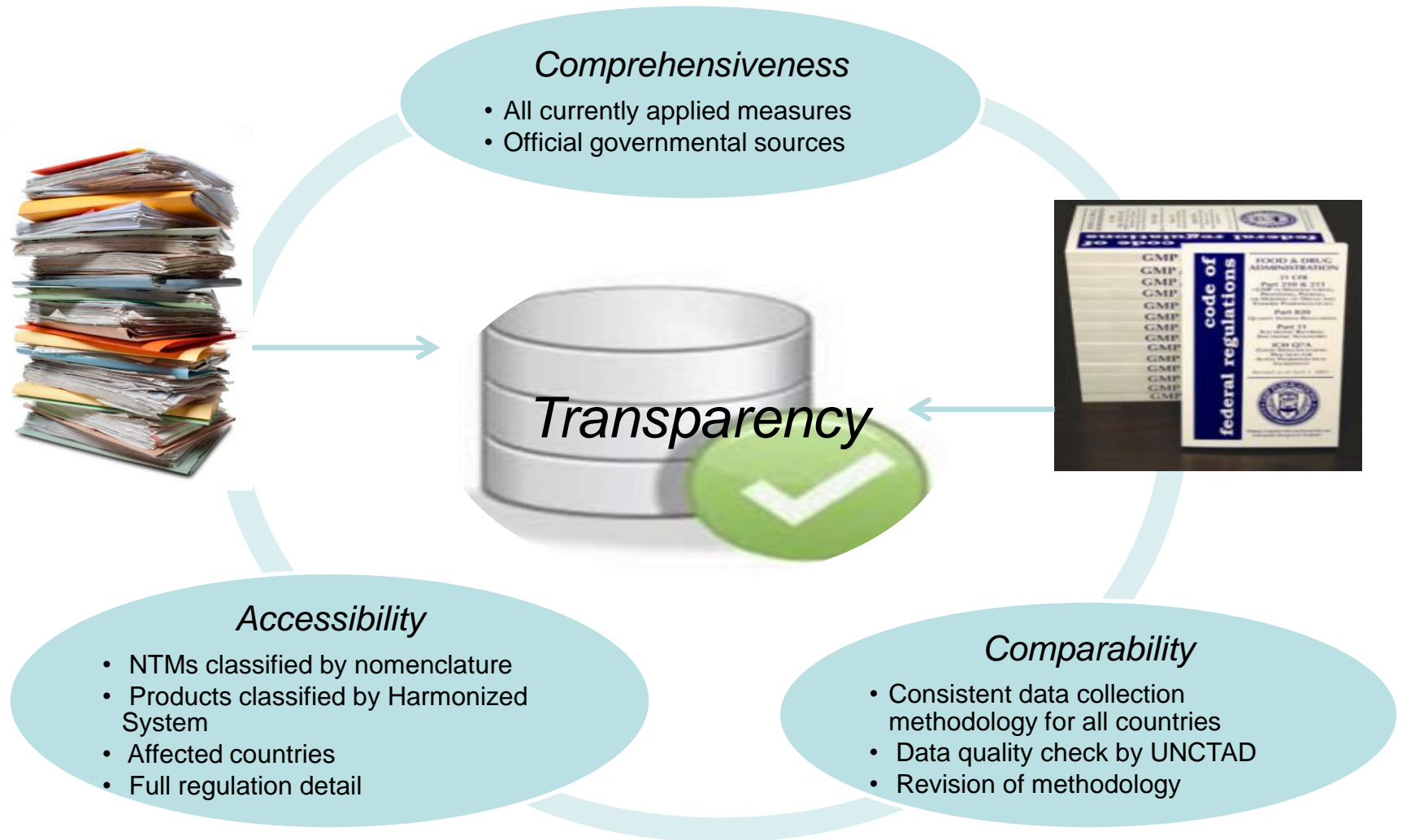
- Complaints from exporters
- Often procedural obstacles to trade (i.e. implementation)

- 3. Voluntary

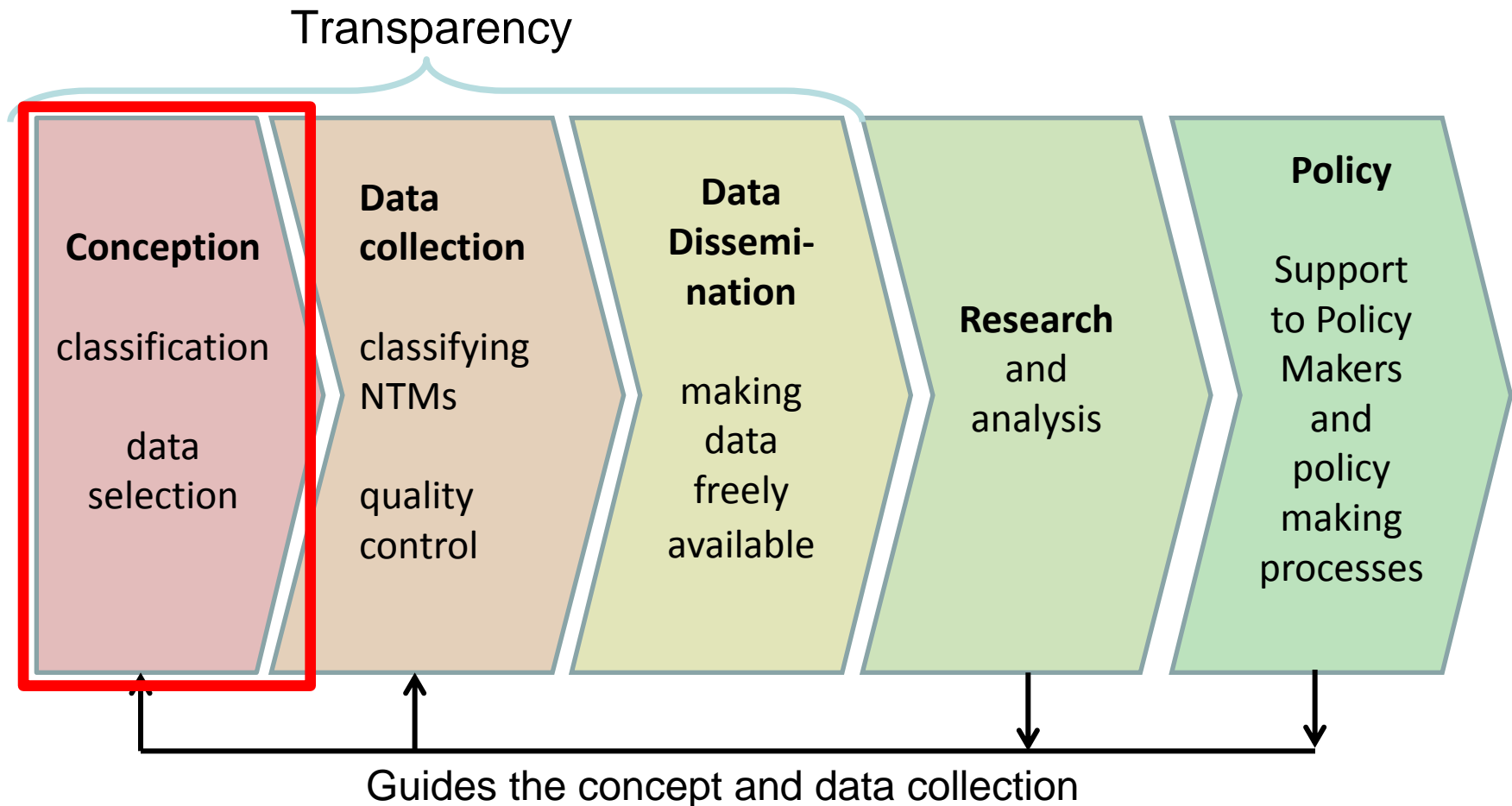
- Private standards or international standards



NTMs and Transparency



UNCTAD Non-Tariff Measure Programme



UNCTAD NTM programme history

- Data collected by UNCTAD since early 1980s but substantial improvements required to keep up with the increasing complexity of and need for NTM data
- Expert meeting 2005: Setting up Group of Eminent Persons
 - MAST (Multi-Agency Support Team)
in charge of technical work
 - FAO, IMF, ITC, OECD, UNIDO, UNCTAD, WB and WTO
 - Agreed new classification
- Pilot Data collection Project (2007-2009)
- Official NTM data are collected jointly with partners -
International effort coordinated by UNCTAD
- Revised and streamlined implementation after testing phase in 2013



UNCTAD-MAST Classification:

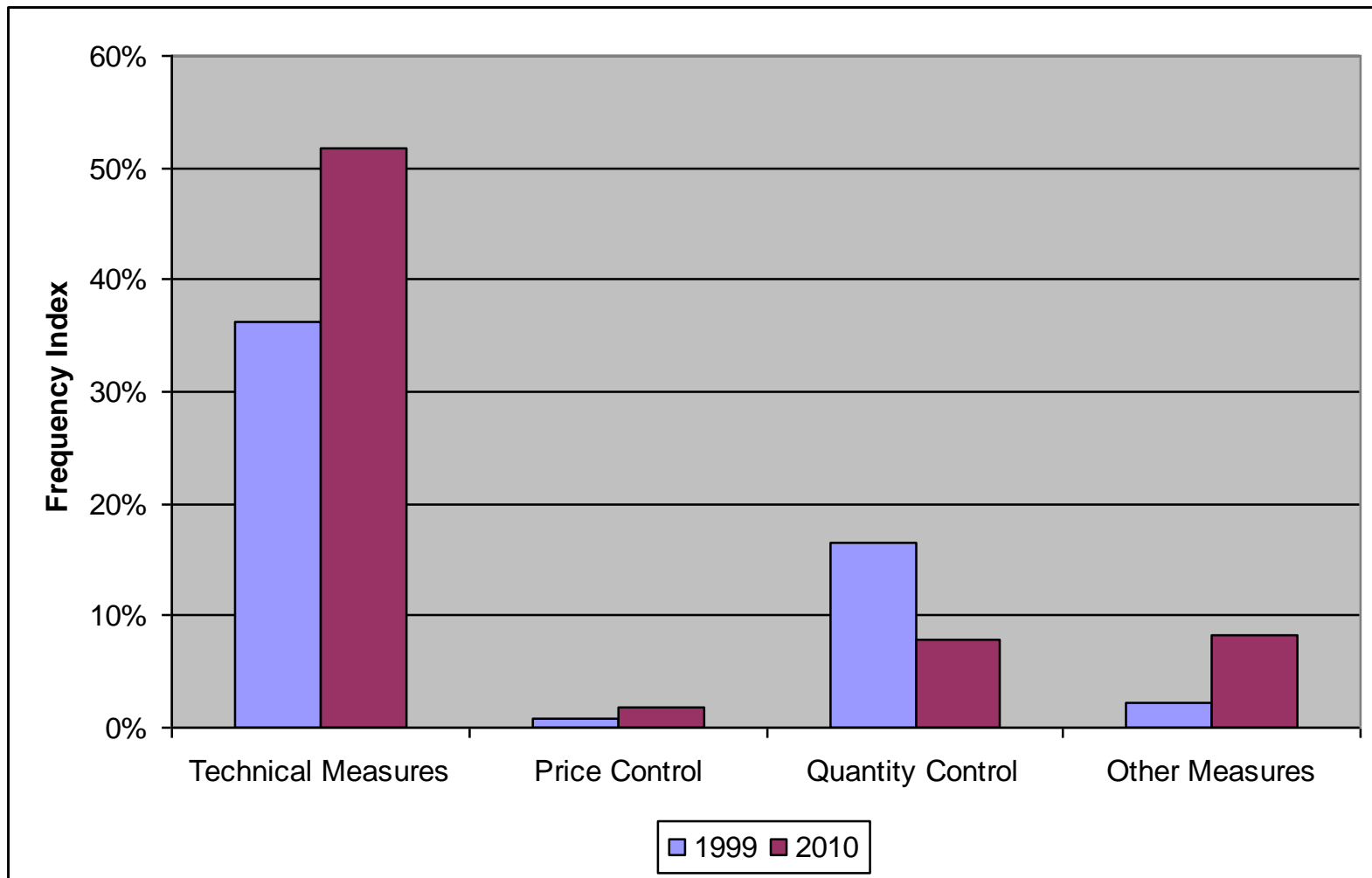
The common language

- The Multi Agency Support Team (FAO, IMF, ITC, OECD, UNCTAD, UNIDO, World Bank, WTO) initiated by UNCTAD updated NTM classification



Imports	Technical measures	A SANITARY AND PHYTOSANITARY MEASURES B TECHNICAL BARRIERS TO TRADE C PRE-SHIPMENT INSPECTION AND OTHER FORMALITIES
	Non technical measures	D CONTINGENT TRADE-PROTECTIVE MEASURES E NON-AUTOMATIC LICENSING, QUOTAS, PROHIBITIONS AND QUANTITY-CONTROL MEASURES OTHER THAN FOR SPS OR TBT REASONS F PRICE-CONTROL MEASURES, INCLUDING ADDITIONAL TAXES AND CHARGES G FINANCE MEASURES H MEASURES AFFECTING COMPETITION I TRADE-RELATED INVESTMENT MEASURES J DISTRIBUTION RESTRICTIONS K RESTRICTIONS ON POST-SALES SERVICES L SUBSIDIES (EXCLUDING EXPORT SUBSIDIES UNDER P7) M GOVERNMENT PROCUREMENT RESTRICTIONS N INTELLECTUAL PROPERTY O RULES OF ORIGIN
Exports		P EXPORT-RELATED MEASURES

And there are more and more NTMs



UNCTAD-MAST NTM Classification

Tree structure – Example

A SANITARY AND PHYTOSANITARY MEASURES

A1 Prohibitions /restrictions of imports for SPS reasons

A2 Tolerance limits for residues and restricted use of substances

(...)

A8 Conformity Assessment related to SPS

A81 Product registration requirement

A82 Testing requirement

A83 Certification requirement

A84 Inspection requirement

A85 Traceability requirement

A851 Origin of materials and parts

A852 Processing history

A853 Distribution and location of products after delivery

A859 Traceability requirements n.e.s.

A86 Quarantine requirement

A89 Conformity assessments related to SPS n.e.s.

A9 SPS Measures n.e.s.

B TECHNICAL BARRIERS TO TRADE

C PRE-SHIPMENT INSPECTION AND OTHER FORMALITIES

D CONTINGENT TRADE PROTECTIVE MEASURES

E NON-AUTOMATIC LICENSING, QUOTAS, PROHIBITIONS ...

F PRICE CONTROL MEASURES INCLUDING ADDITIONAL TAXES ...

G FINANCE MEASURES

H MEASURES AFFECTING COMPETITION

I TRADE-RELATED INVESTMENT MEASURES

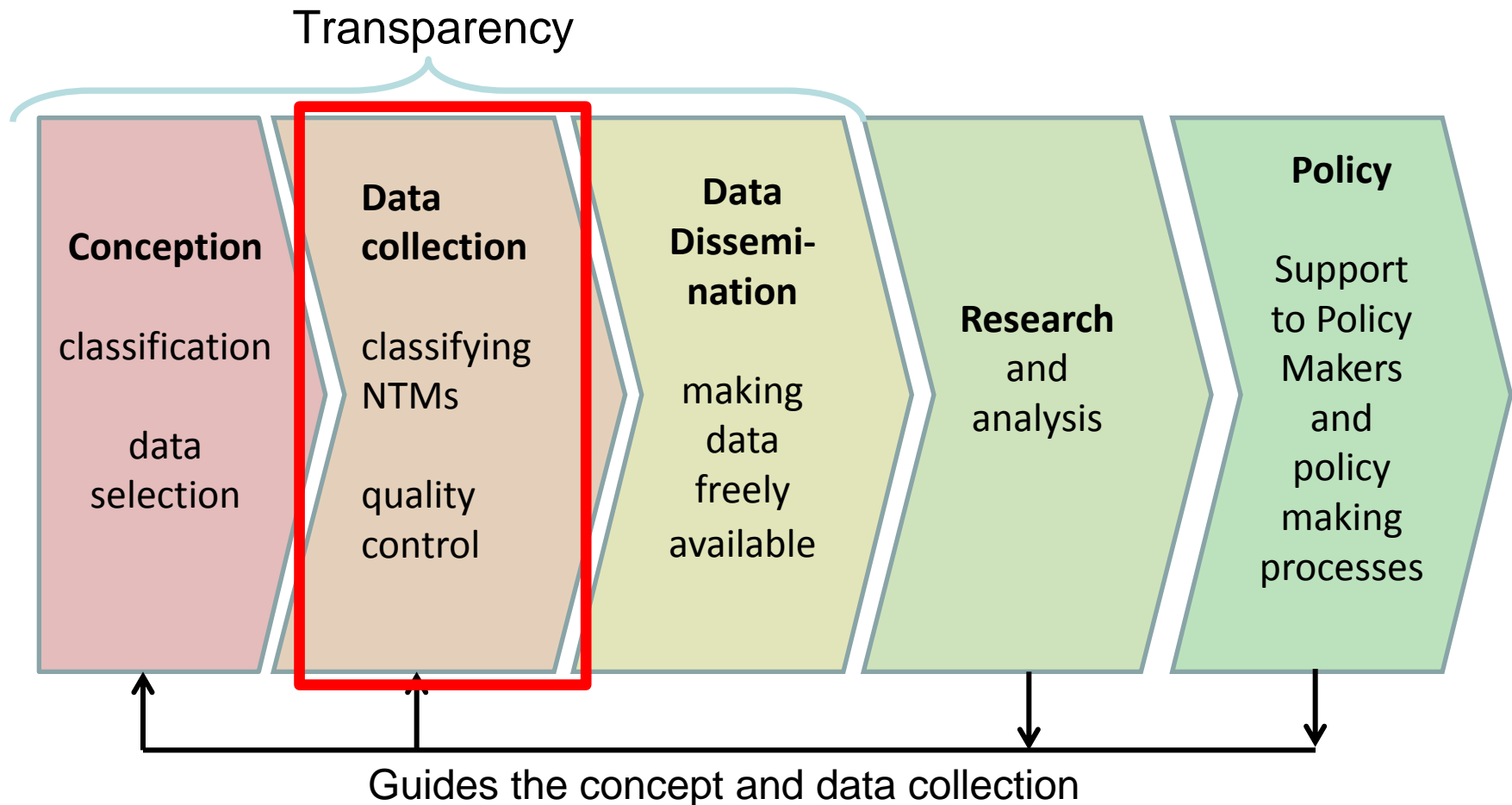
At this level of coding:
177 measures in the
whole classification

(thereof SPS/TBT: 58)

Let's take a minute to
look at the
classification!

http://unctad.org/en/PublicationsLibrary/ditctab20122_en.pdf

UNCTAD Non-Tariff Measure Programme



Official NTM data collection

• From here...

...to here

The Gazette of the Democratic Socialist Republic of Sri Lanka EXTRAORDINARY

අංක 1376/9 - 2005 ජනවාරි 19 වැනි බදාදා - 2005.01.19
No. 1376/9 - WEDNESDAY, JANUARY 19, 2005

(Published by Authority)

PART I : SECTION (I) — GENERAL Government Notifications

L.D. - B. 11/80 II

FOOD ACT, No. 26 OF 1980

REGULATIONS made by the Minister of Health in consultation with the Food Advisory Committee under No. 26 of 1980.

NIMAL SIR
Minister of Health
Uva Weillas

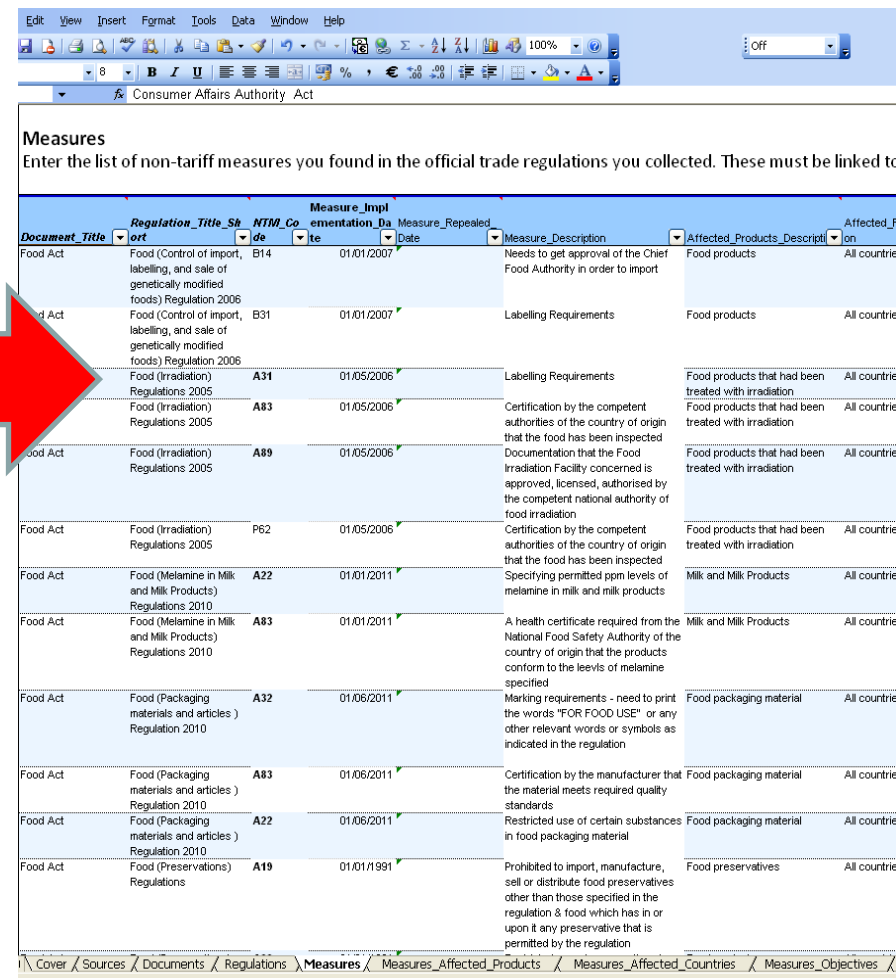
Colombo.
17th January, 2005.

Regulations

01. These Regulations may be cited as "Food (Labelling and Advertising) Regulations 2005."

02. No person shall sell, offer for sale, expose or keep for sale, transport or advertise for sale, any food or container unless such package or container is labelled in accordance with these regulations.

Provided however that, these regulations shall not apply to any package of food if the food is of the national brand requested by the purchaser and is weighed, counted or measured in the presence of the purchaser.



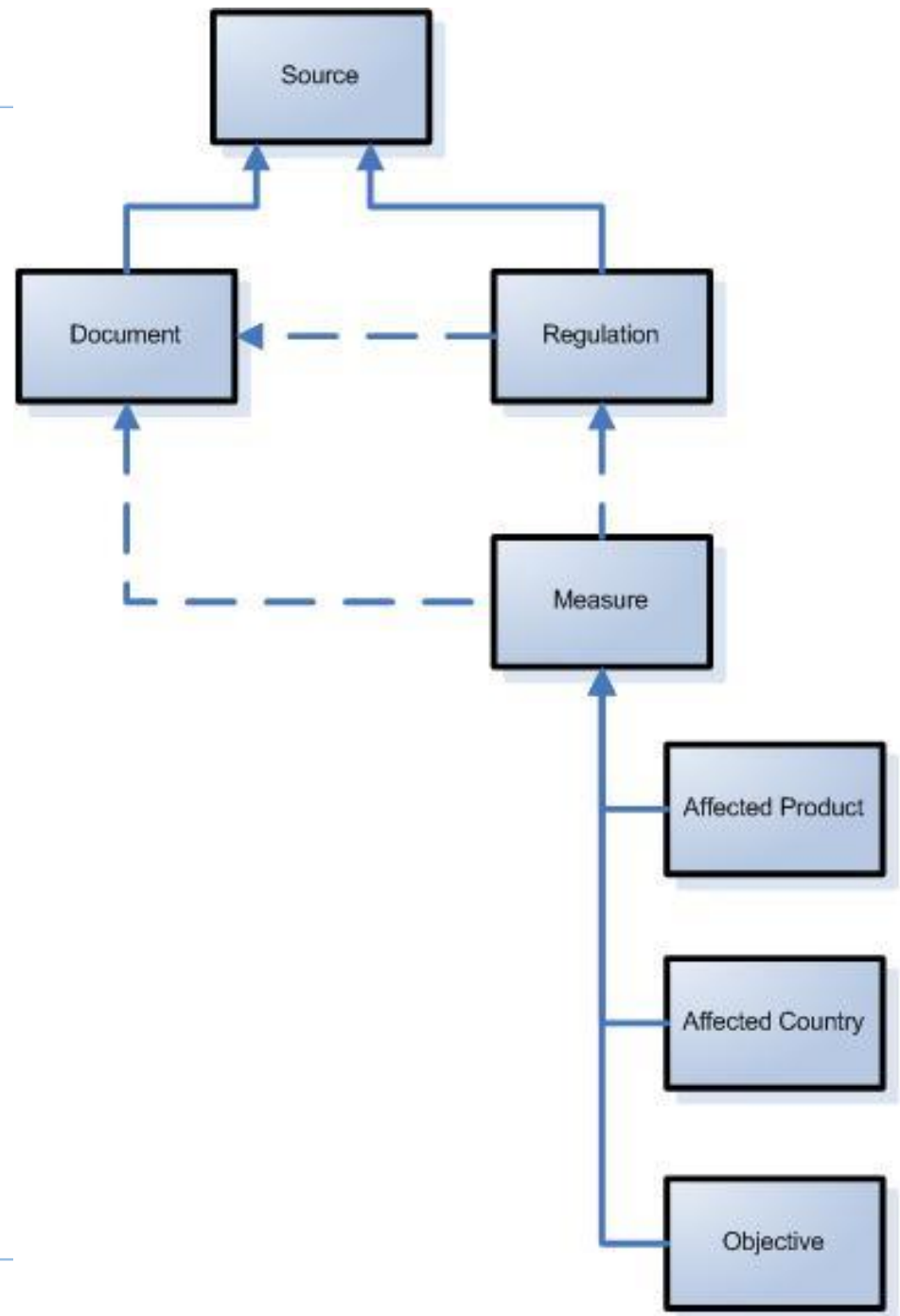
Document Title	Regulation Title, Short	NTM Code	Measure Implementation Date	Measure Repeated	Measure Description	Affected Products Description	Affected Countries
Food Act	Food (Control of import, labelling, and sale of genetically modified foods) Regulation 2006	B14	01/01/2007		Needs to get approval of the Chief Food Authority in order to import	Food products	All countries
Food Act	Food (Control of import, labelling, and sale of genetically modified foods) Regulation 2006	B31	01/01/2007		Labelling Requirements	Food products	All countries
Food Act	Food (Irradiation) Regulations 2005	A31	01/05/2006		Labelling Requirements	Food products that had been treated with irradiation	All countries
Food Act	Food (Irradiation) Regulations 2005	A83	01/05/2006		Certification by the competent authorities of the country of origin that the food has been inspected	Food products that had been treated with irradiation	All countries
Food Act	Food (Irradiation) Regulations 2005	A89	01/05/2006		Documentation that the Food Irradiation Facility concerned is approved, licensed, authorised by the competent national authority of food irradiation	Food products that had been treated with irradiation	All countries
Food Act	Food (Irradiation) Regulations 2005	P62	01/05/2006		Certification by the competent authorities of the country of origin that the food has been inspected	Food products that had been treated with irradiation	All countries
Food Act	Food (Melamine in Milk and Milk Products) Regulations 2010	A22	01/01/2011		Specifying permitted ppm levels of melamine in milk and milk products	Milk and Milk Products	All countries
Food Act	Food (Melamine in Milk and Milk Products) Regulations 2010	A83	01/01/2011		A health certificate required from the National Food Safety Authority of the country of origin that the products conform to the levels of melamine specified	Milk and Milk Products	All countries
Food Act	Food (Packaging materials and articles) Regulation 2010	A32	01/06/2011		Marking requirements - need to print the words "FOR FOOD USE" or any other relevant words or symbols as indicated in the regulation	Food packaging material	All countries
Food Act	Food (Packaging materials and articles) Regulation 2010	A83	01/06/2011		Certification by the manufacturer that the material meets required quality standards	Food packaging material	All countries
Food Act	Food (Packaging materials and articles) Regulation 2010	A22	01/06/2011		Restricted use of certain substances in food packaging material	Food packaging material	All countries
Food Act	Food (Preservations) Regulations	A19	01/01/1991		Prohibited to import, manufacture, sell or distribute food preservatives other than those specified in the regulation & food which has in or upon it any preservative that is permitted by the regulation	Food preservatives	All countries

Ministries and agencies that may be responsible for regulating trade

NTM Chapter		Potential responsible Government Bodies
A	Sanitary and Phytosanitary Measures (SPS)	Ministry of Agriculture; Standardization Agency, Ministry of Health
B	Technical Barriers to Trade (TBT)	Standardization Agency; Ministry of Health; Ministry of Ecology; Ministry of Industry
C	Pre-shipment Inspection and other formalities	Customs Agency, Standardization Agency
D	Contingent Trade Protective Measures	Ministry of Finance; Ministry of Economy, Industry or Trade; Customs Agency
E	Non-Automatic Licensing, Quotas, Prohibitions and Other Quantity Control Measures	Ministry of Economy, Industry or Trade; Customs Agency
F	Price Control Measures Including Additional Taxes and Charges	Ministry of Economy, Industry or Trade; Customs Agency
G	Finance measures	Ministry of Finance; National Bank
H	Measures Affecting Competition	Ministry of Economy, Industry or Trade
I	Trade-related investment measures	Ministry of Economy, Industry or Trade
P	Export-related measures	Ministry of Economy, Industry or Trade; Standardization Agency; Ministry of Agriculture; Customs Agency

Data Model used in data collection

- Comparable data structure across countries
 - Detailed registration of sources facilitates updates
 - Multiple entry-points for users
-





AFRICAN DEVELOPMENT
BANK GROUP



International
Trade
Centre



UNITED NATIONS
UNCTAD



The World Bank



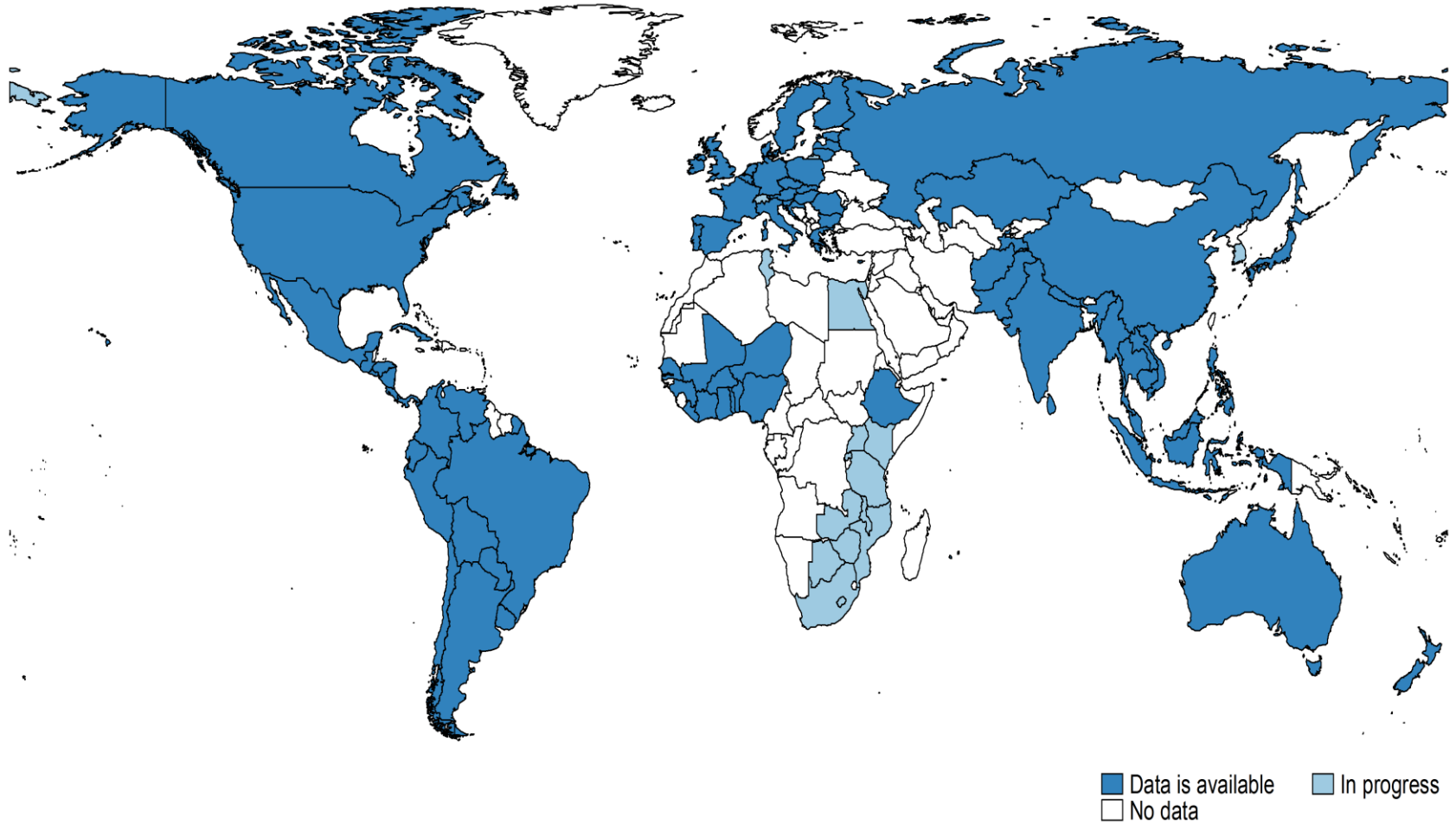
- UNCTAD: official NTM data
→ Partnership with ERIA in ASEAN
- ITC: tariff data (+ NTM private sector surveys)
- World Bank: services data
- AfDB: support of data collection in Africa

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

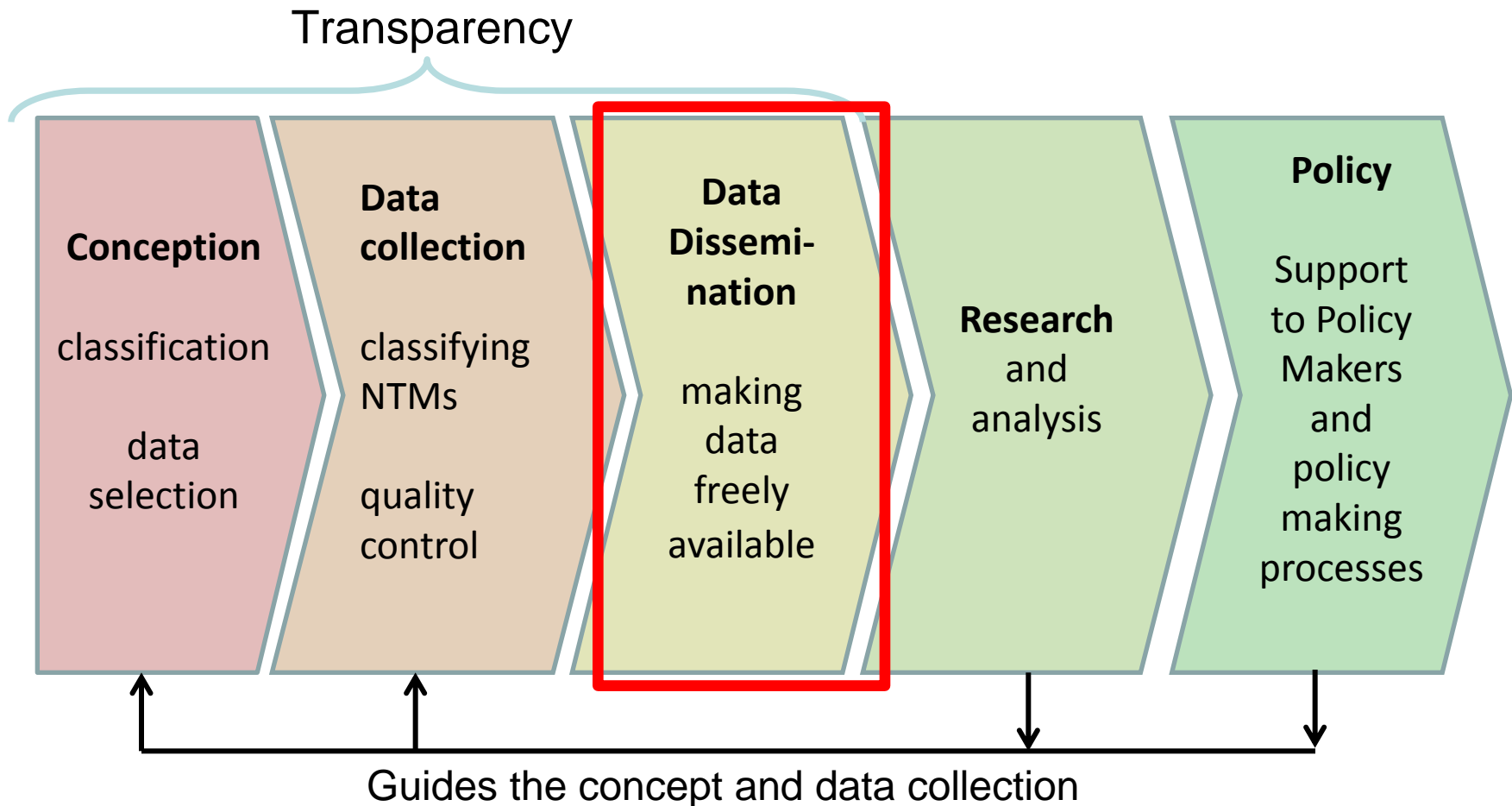
UNCTAD



Map of Data Availability – A global initiative



UNCTAD Non-Tariff Measure Programme



Dissemination

- UNCTAD TRAINS via i-tip.unctad.org
→ For policy makers and negotiators
- Soon: researcher Stata file published by UNCTAD. Watch out at unctad.org/ntm
→ For researchers
- World Bank WITS wits.worldbank.org
→ For researchers

Same data

Different
presentation
for different
users


UNCTAD i-TIP in cooperation with WTO

I-TIP official NTMs: Integrated analysis and retrieval of collected official non-tariff measures

I-TIP official NTMs provides comprehensive information on non-tariff measures (NTMs) applied in merchandise trade as well as analytical tools. The information includes members' technical and non-technical measures as well as export measures (TRAINS NTM database). The information has been retrieved only official sources including mainly national laws and regulations. Measures are classified according to the International Classification of NTMs at the NTM level and the Harmonized System HS classification at the product level. It includes links to UNCTAD's TRAINS tariff database and to original documents.

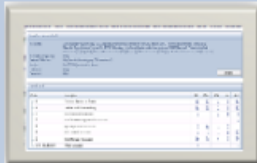
The software i-TIP has been developed by the WTO for notifications and made available to UNCTAD to disseminate collected official NTM data. The United Nations gratefully acknowledge this. An objective of both organizations is to provide free access to the most comprehensive, up-to-date and highest quality non-tariff measure data.

Choose one of the following options:



GRAPHS over TIME

- You can see and select stocks or flows of Non-Tariff Measures (NTMs), by type of measure.
- See individual measures by simply clicking on any bar in the graphs!
- This option does not allow the selection of country or product affected.



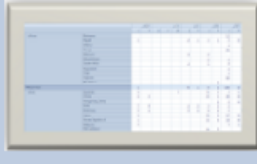
TABLES by MEASURE

- Look at the incidence of NTMs by country imposing the measure.
- This option does not allow a selection of products.




TABLES by PRODUCTS

- Look at the incidence of NTMs by HS sections and chapters, and by country imposing the measure.
- See individual measures by simply clicking on any number in the tables!
- This option does not allow a selection of products.



TABLES by MEMBERS

- Look at the incidence of NTMs by WTO member and geographical regions.
- See individual measures by simply clicking on any number in the tables!



DETAILED QUERY

- Select any combination of the five criteria: type of NTM, dates, country imposing, country affected, and product. Get tabular listing of NTMs.
- Drill down for additional details.
- Export summary and detailed NTM information.

WHAT IS AVAILABE NOW

- Interim NTM data for the United States of America (incomplete)

To be added in 2015

- Final NTM data for the United States of America
- NTM data for ASEAN
- NTM data for West Africa (ECOWAS)
- NTM data for Latin America (ALADI)
- NTM data for the European Union
- currently collecting: NTM data for several developed countries

Contact us: tab@unctad.org

Version: 1.0

i-tip.unctad.org

Let's have a look!

What can we find out about the impact from looking at individual measures?

How to access existing UNCTAD data?

For researchers: wits.worldbank.org

World Integrated Trade Solution (WITS) software provides access to international merchandise trade, tariff and non-tariff measures (NTM) data. Browse the country profile and related pages to view trade (exports and imports) with countries and by product groups, tariff (Effectively Applied and MFN) and relevant development data like Trade as percentage of GDP and others. Register and log in to WITS to perform custom analysis, using standard and derived product classifications. WITS also features built-in analytical tools that help assess the impact of tariff cuts. Use the Trade Outcomes module to assess trade competitiveness of countries by calculating and visualizing trade indicators. [Read More..](#)

MY COUNTRY: Switzerland 2012 VIEW DETAILED DATA FOR THIS COUNTRY

Trade Summary

Import (US\$ Mil)	197,787
Export (US\$ Mil)	225,949
Weighted Average Tariff (%)	---
Trade (% of GDP)	94.16
GDP (current US\$ Mil)	631,000

[View All >](#)

Export Partners

Country	Export (US\$ Mil)
Germany	~150,000
United States	~80,000
Italy	~30,000
France	~20,000
United Kingdom	~10,000

Exports by Product Groups

Product Group	Export (US\$ Mil)
Consumer goods	~120,000
Intermediate goods	~100,000
Capital goods	~40,000
Raw materials	~10,000

WITS CUSTOM QUERY

To execute custom queries registration is necessary. [Register Now >](#)

Already a Member? [Login >](#)

SUPPORT LINKS

- Glossary
- Metadata
- Concordances
- Did you know
- FAQ

TOOLS

- [Simulation Tool](#)
- [Offline Tool](#)

WORLD AT A GLANCE

Top Importers (2012)

Country	Trade (US\$ Mil)	Share %
United States	2,028,202	11.83
China	1,391,648	8.12
Germany	1,061,773	6.19
Japan	664,999	3.88
United Kingdom	644,221	3.76

[View All >](#)

Top Exporters (2012)

Country	Trade (US\$ Mil)	Share %
China	2,260,298	12.90
United States	1,438,335	8.21
Germany	1,298,071	7.41
Japan	867,318	4.95
France	550,992	3.15

[View All >](#)

Exports by Product Groups (2012)

Product Group	Export (US\$ Mil)
Consumer goods	~1,200,000
Capital goods	~1,100,000
Intermediate goods	~400,000
Raw materials	~100,000

RELATED LINKS

- Transparency in Trade
- United Nations - Conference on Trade and Development - TRAINS
- World Bank - Temporary Trade Barriers Database
- World Bank Trade Post (Trade Blogs)
- United Nations - Statistics Division - Comtrade

Desktop FR 11:53

Building a dataset to calculate indicators

1. Get UNCTAD NTM data from WITS

Watch out for proper data availability (only if the field 'NTM Measures' shows all types of measures (A to P))

2. Get trade data from WITS

3. Get full HS product code list at 6 digits

The screenshot displays the WITS (World Integrated Trade System) web application interface. At the top, the WITS logo is visible, followed by a navigation bar with links: Quick Search, Advanced Query, Tariff and Trade Simulations, Results, Utilities, and Support Materials.

The main content area shows the path: Home > Quick Search > NTM - View and Export Raw Data. Below this, the section is titled "NTM - View and Export Raw Data" with a small icon. A description states: "This option provides you with primary information on non-tariff measures (NTMs), collected and classified by UNCTAD and stored in its TRAINS HS code for the affected products, NTM code (4-alpha-numeric code of the NTM Classification), source of information, date of entry into force. A detailed inventory by country of available non-tariff measures can be [download here](#)".

Below the description, there are two dropdown menus: "Reporter :" set to "Thailand" and "Year :" set to "2015".

The "NTM Measures :" section shows a list of measures on the left, with "ALL - All NTM Measure Codes" selected. The list includes: A - Sanitary and phytosanitary measures, B - Technical barriers to trade, C - Pre-shipment inspection and other formalities, D - Contingent trade protective measures, E - Non-automatic licensing, quotas, prohibitions and quantity control measures other than for SPS or TBT reasons, and F - Price control measures including additional. A right arrow button is visible between the lists.

The "Selected NTM Measures :" section on the right shows "ALL - All NTM Measure Codes" selected. Below this, it says "Added 1 NTM Measure(s)" and provides "Remove" and "Remove All" buttons.

The "Search based on level of aggregation" section shows "Tier :" set to "Sub-Heading (all 6-digit HS code:)". Below this is a text input field labeled "Enter a Product" and a right arrow button.

The "OR Products :" section shows a list of products on the left, with "All Products" selected. The list includes: 01 -- LIVE ANIMALS, 02 -- MEAT AND EDIBLE MEAT OFFAL, 03 -- FISH AND CRUSTACEANS, MOLLUSCS AND, 04 -- DAIRY PRODUCE; BIRDS' EGGS; NATURAL, 05 -- PRODUCTS OF ANIMAL ORIGIN, NOT ELSE, 06 -- LIVE TREES AND OTHER PLANTS; BULBS, I, and 07 -- EDIBLE VEGETABLES AND CERTAIN ROOTS. A right arrow button is visible between the lists.

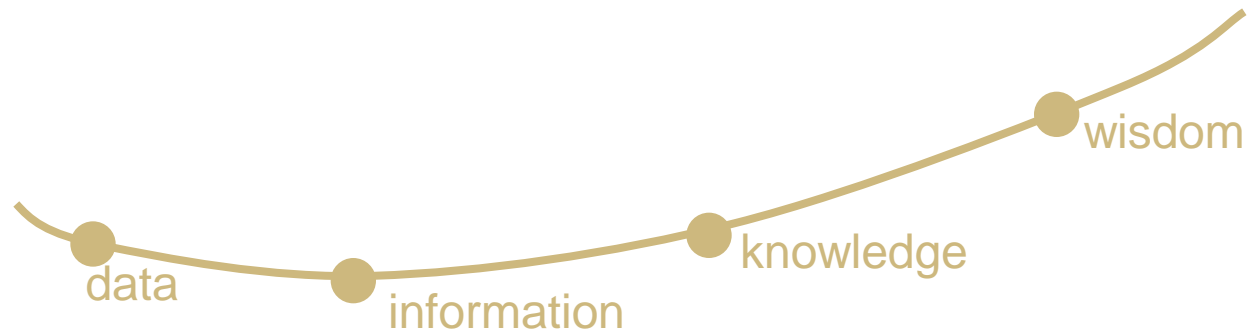
The "Selected Products :" section on the right shows "All Products" selected. Below this, it says "Added 1 Product(s)" and provides "Remove" and "Remove All" buttons.



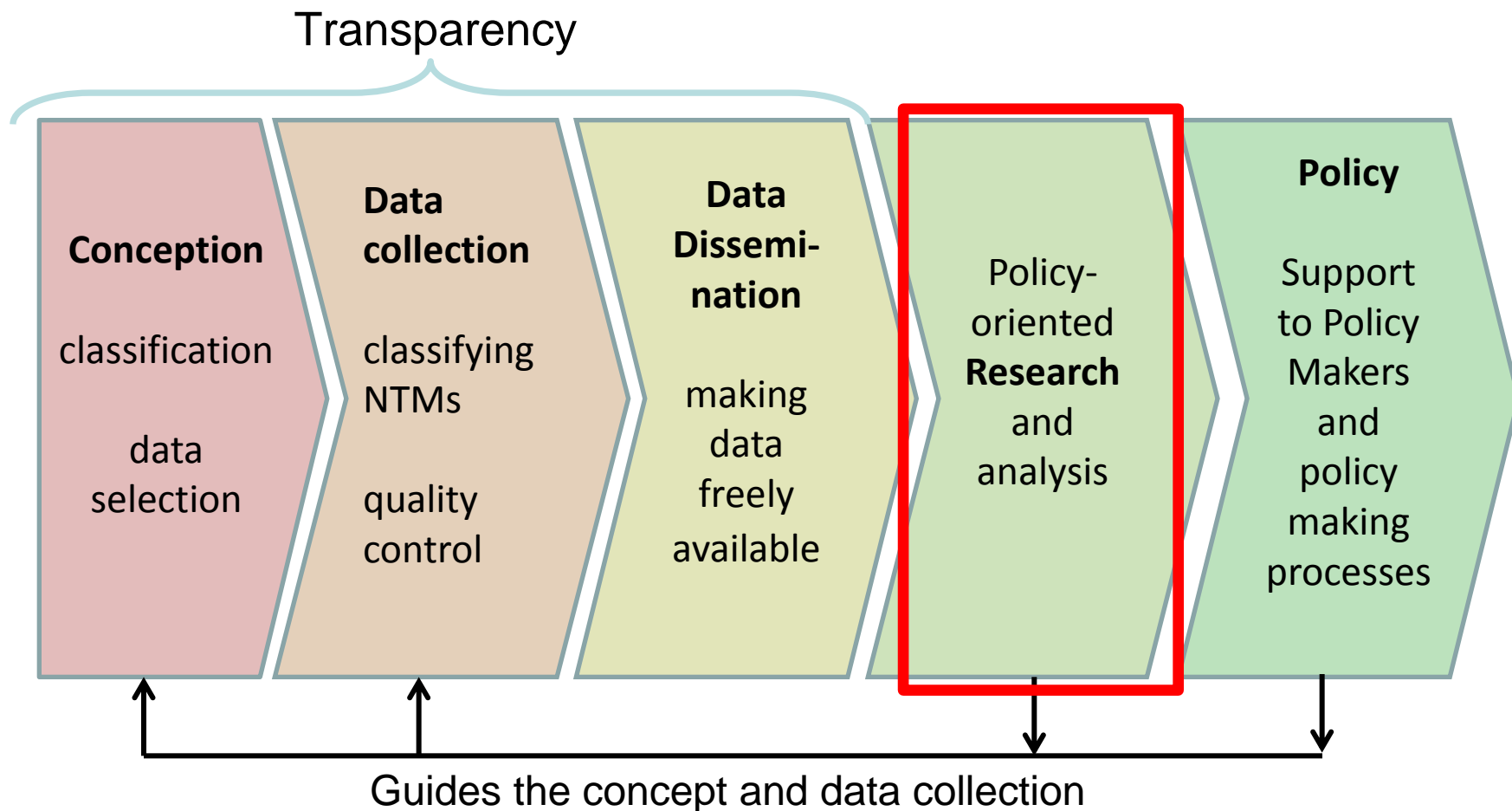
Monday – Session 3

From datasets to indicators

Christian Knebel



Research and policy support *built upon data collection*



Ways of looking at NTMs

- Incidence
 - One-by-one, looking at individual measures
 - Incidence statistics like coverage/frequency ratio
- Impact
 - Direct economic (on trade, prices)
 - Indirect economic (employment, poverty, ...)
 - Non-economic! Environment, health...
- Different contexts:
 - Multilateral
 - Regional
 - Bilateral
 - Unilateral
 - Import / export / both
 - Value chains
 - Economy-wide
 - Sector- or product-specific
 - Measure-specific



Two different challenges

Measures that directly or indirectly affect trade

a) Traditional non-tariff “*barriers*”

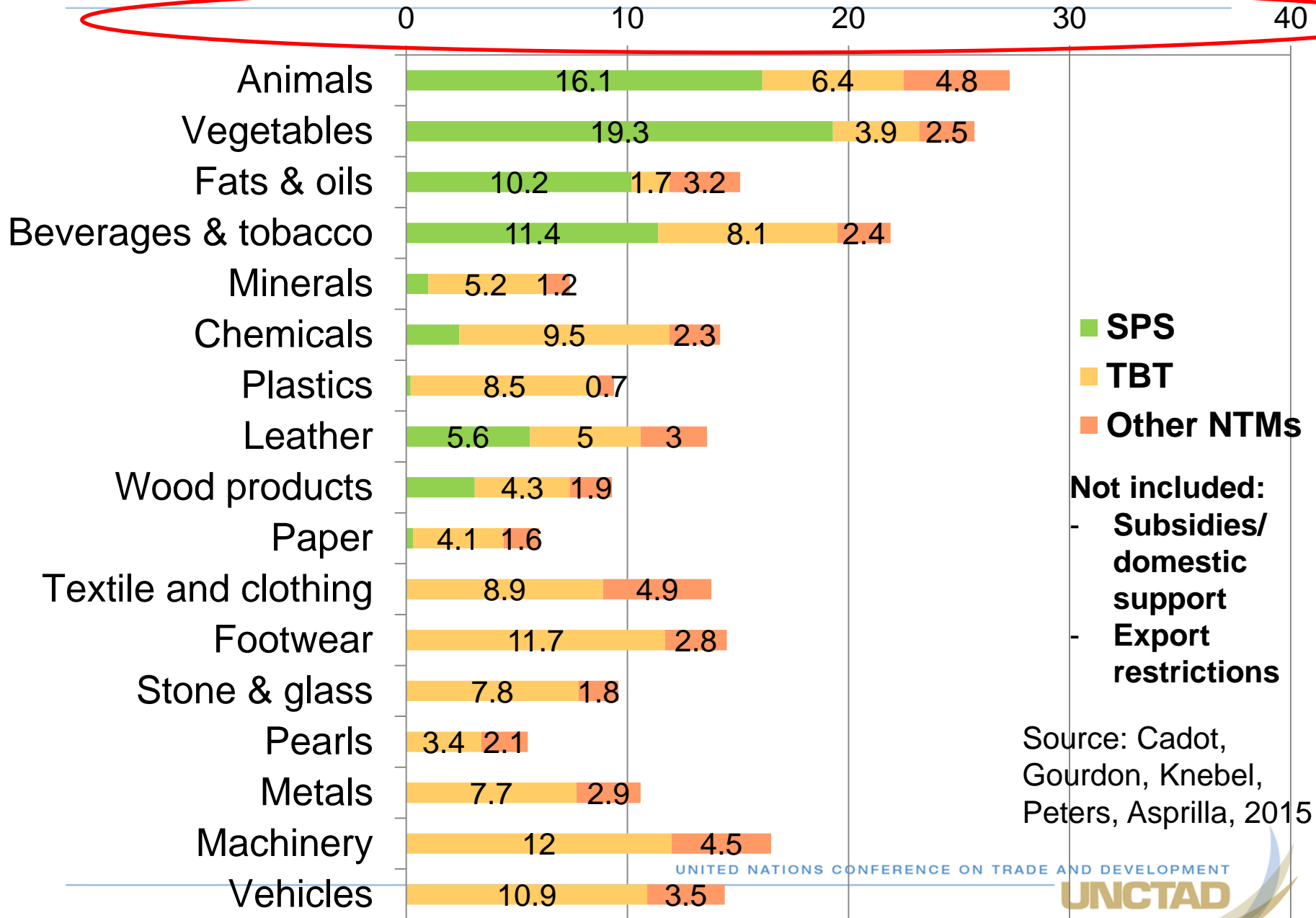
...Quotas, price mechanisms, contingent protection, etc.
(Regulated by WTO) → economic objectives
→ *Usually imposed by ministries responsible for trade/economy/industry*

b) *Technical measures* to trade

...SPS and TBT (Partially addressed by WTO)
→ protection of health or environment → *no elimination!*
→ *Usually regulated as domestic market policy by ministries responsible for agriculture/health/...*



World average ad-valorem equivalent of NTMs



Two different challenges

Measures that directly or indirectly affect trade

a) Traditional non-tariff *barriers*

**...Quotas, price mechanisms, contingent protection, etc.
(Regulated by WTO) → economic objectives
→ *Usually imposed by ministries responsible for
trade/economy/industry***

b) *Technical measures* to trade

**...SPS and TBT (Partially addressed by WTO)
→ protection of health or environment → *no elimination!*
→ *Usually regulated as domestic market policy by ministries
responsible for agriculture/health/...***



Descriptive statistics I

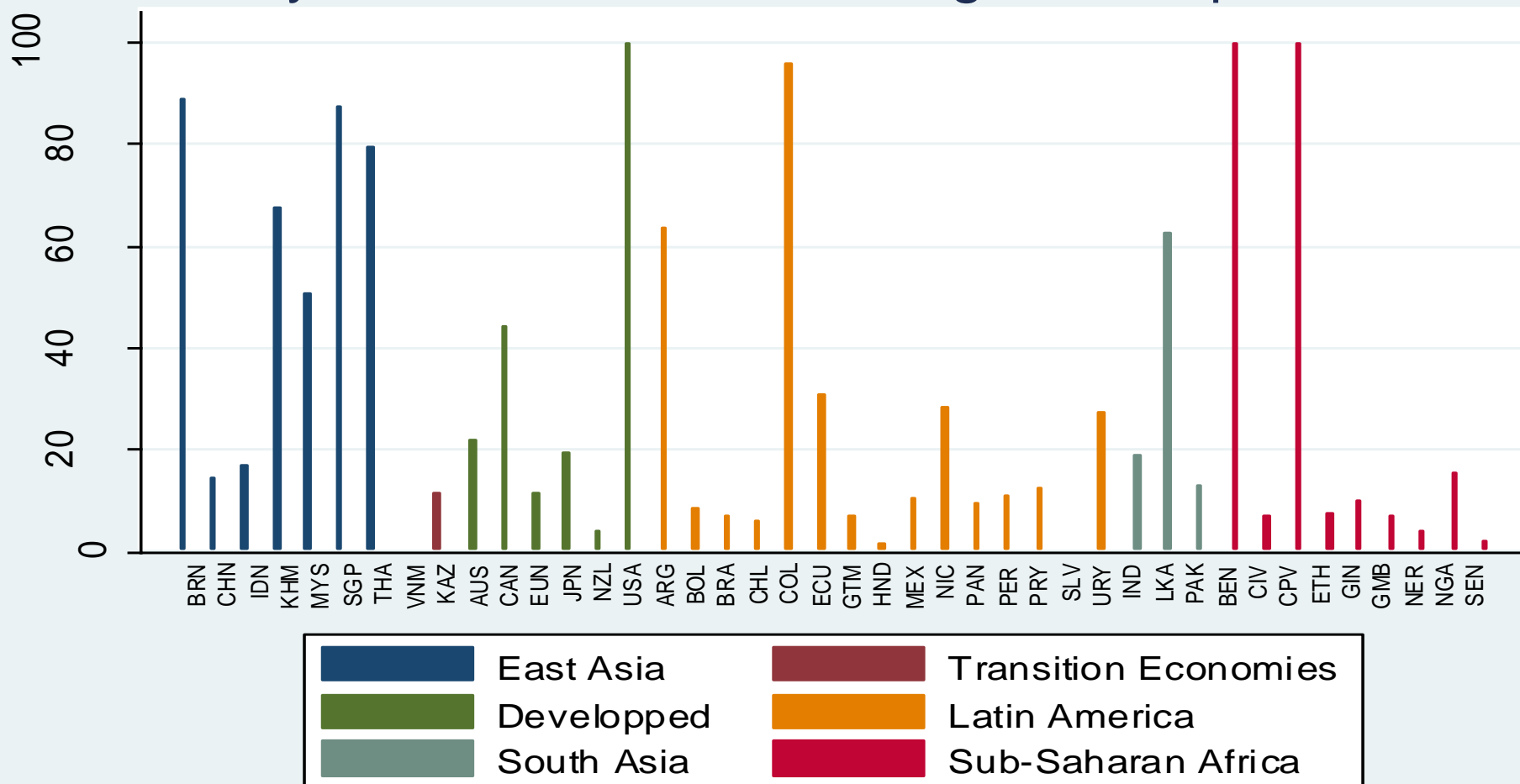
Frequency ratio vs coverage ratio

- Share of HS6 lines within group that are affected by at least one measure
 - Simple average → frequency ratio
 - Weighted by trade → coverage ratio
- Try to be specific...
 - Careful:
 - (0;1)-dummy for each HS code
 - Endogeneity of coverage ratio



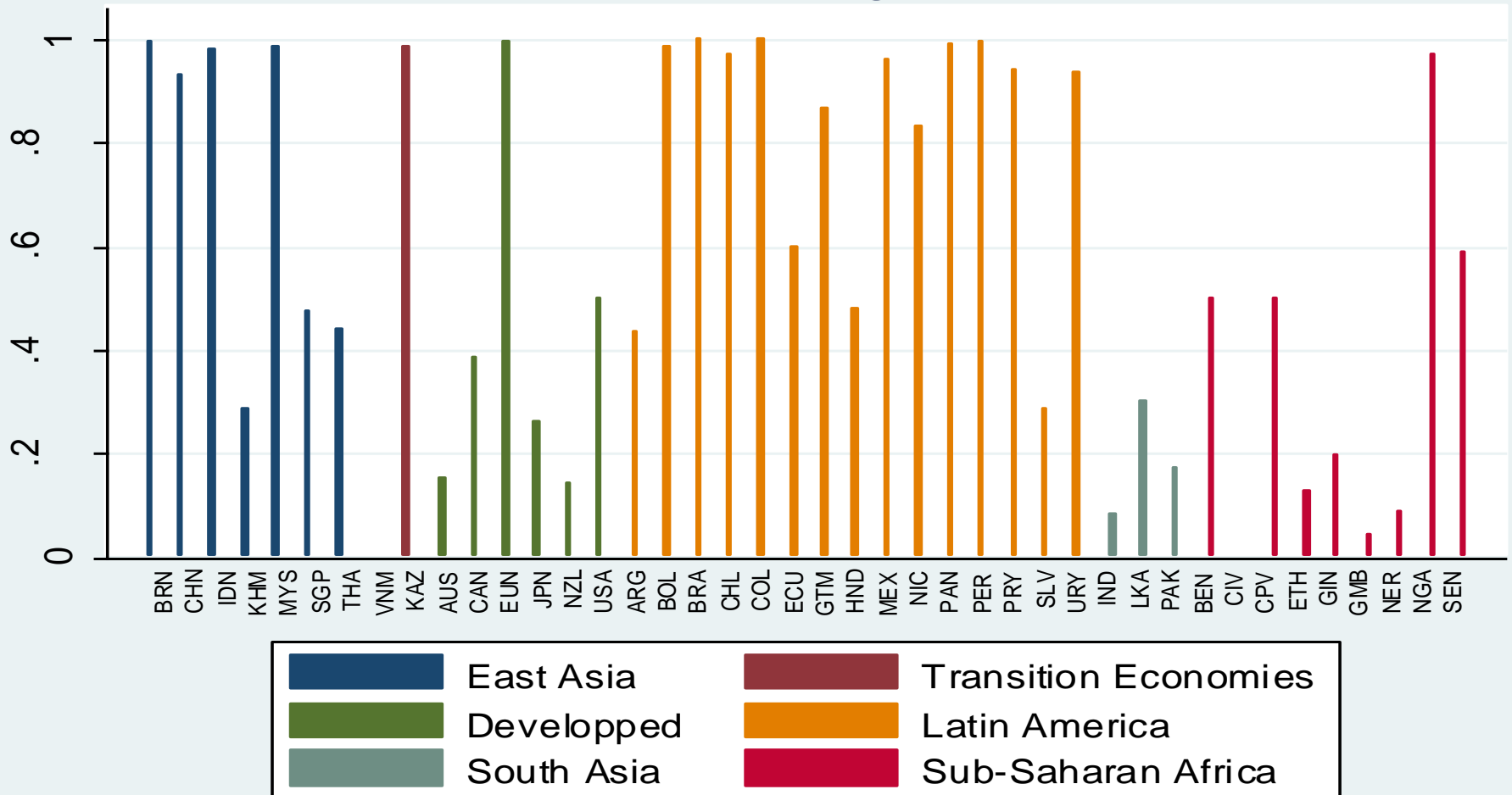
«Barriers» in agriculture trade: Frequency Ratio

Percentage of imported hs6 digit lines covered by a non-technical NTM in agricultural products



«Barriers» in agriculture trade: Coverage Ratio

Percentage of imported value covered by a non-technical NTM in agricultural products



Two different challenges

Measures that directly or indirectly affect trade

a) Traditional non-tariff *barriers*

...Quotas, price mechanisms, contingent protection, etc.

(Regulated by WTO) → economic objectives

→ *Usually imposed by ministries responsible for trade/economy/industry*

b) *Technical measures* to trade

...SPS and TBT (Partially addressed by WTO)

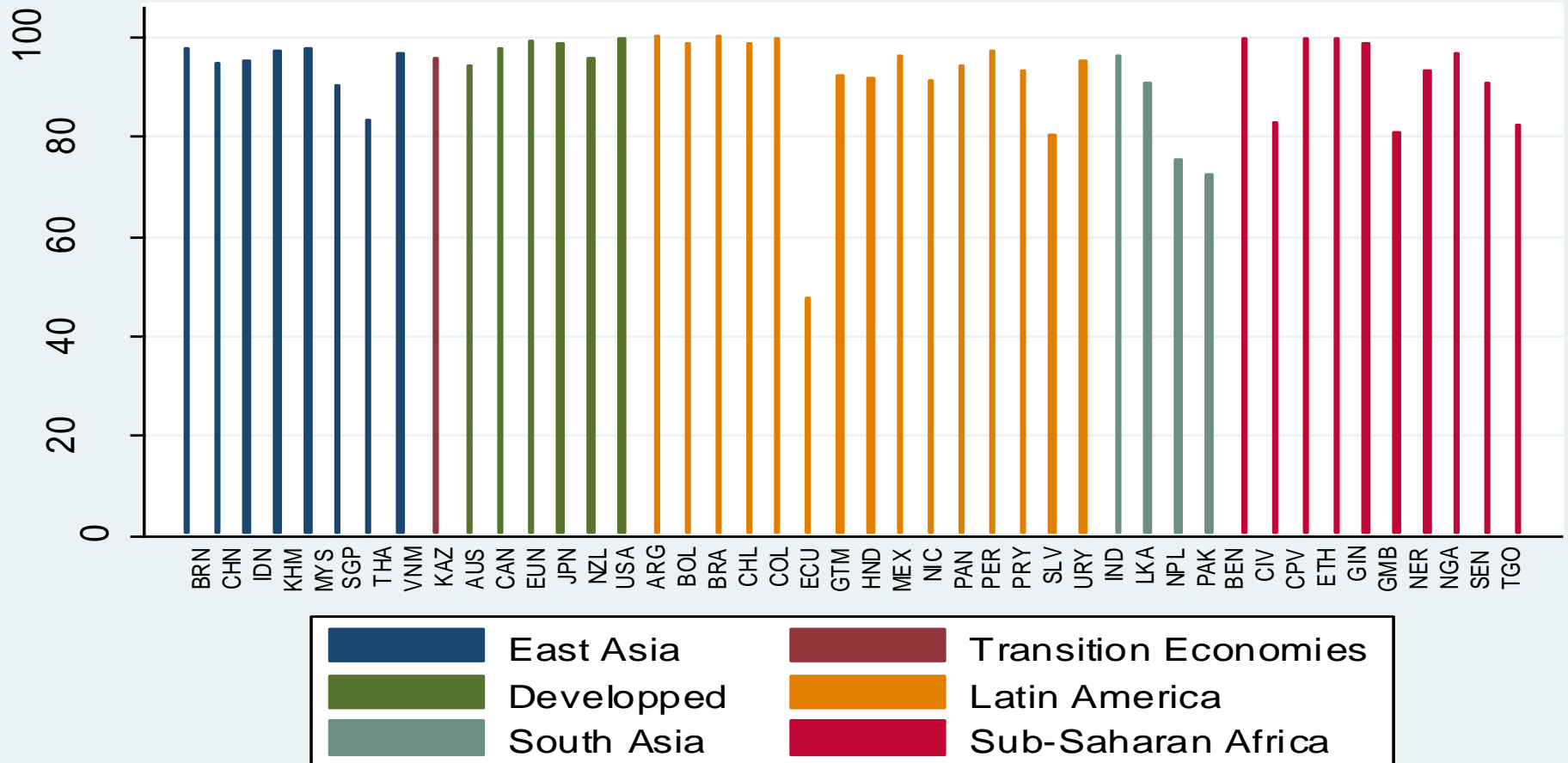
→ protection of health or environment → *no elimination!*

→ *Usually regulated as domestic market policy by ministries responsible for agriculture/health/...*



Technical measures in agriculture: Frequency ratio not very useful....

Percentage of imported hs6 digit lines covered by a technical NTM in agricultural products



Descriptive statistics II

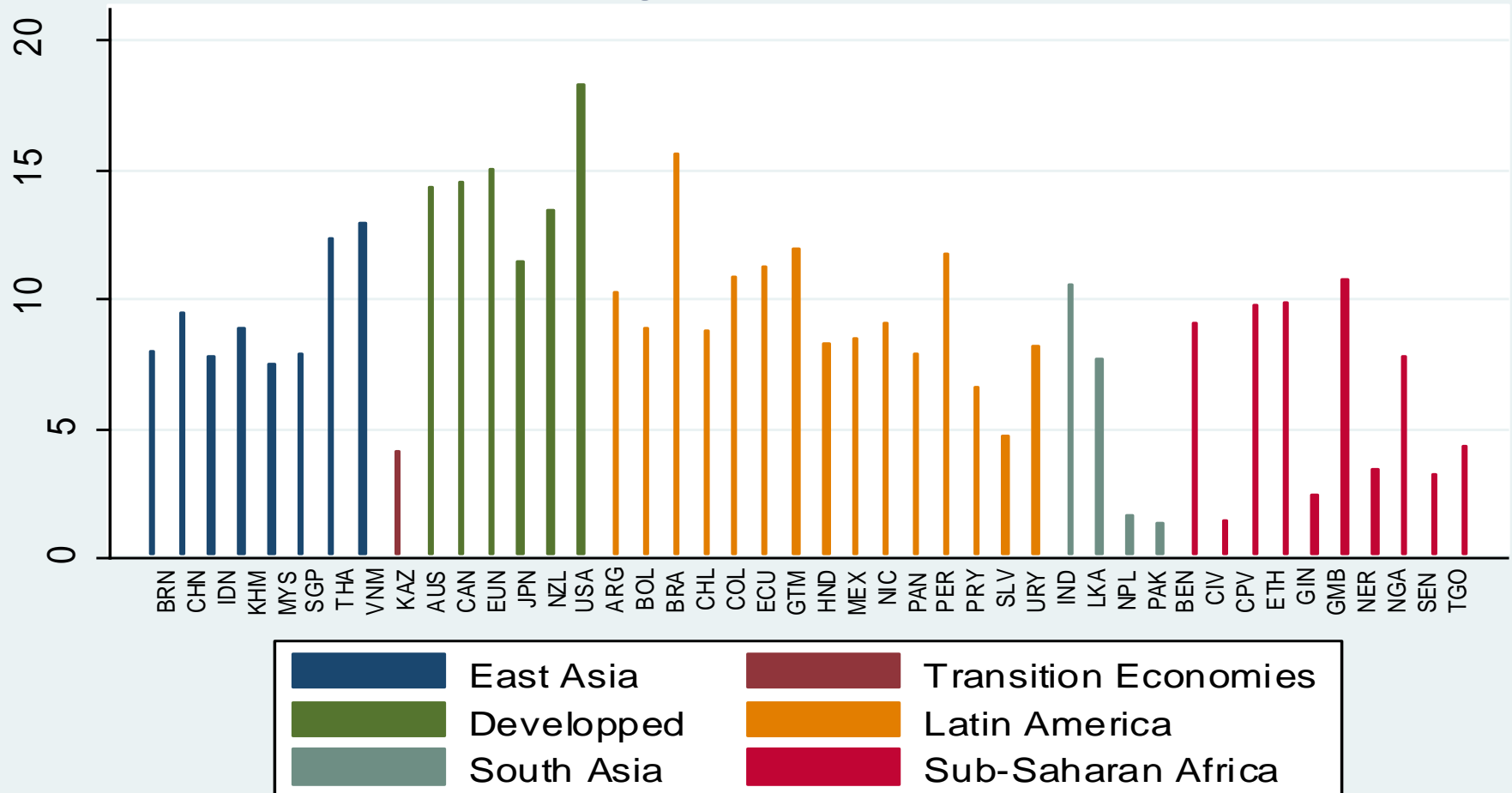
Alternatives to coverage/frequency ratio

- Especially SPS/TBT are very common, particularly in agro-food sectors → simple incidence of “at least one measures” is not very telling...
- 1. Number of distinct measures per product
- 2. Focus on specific measure types

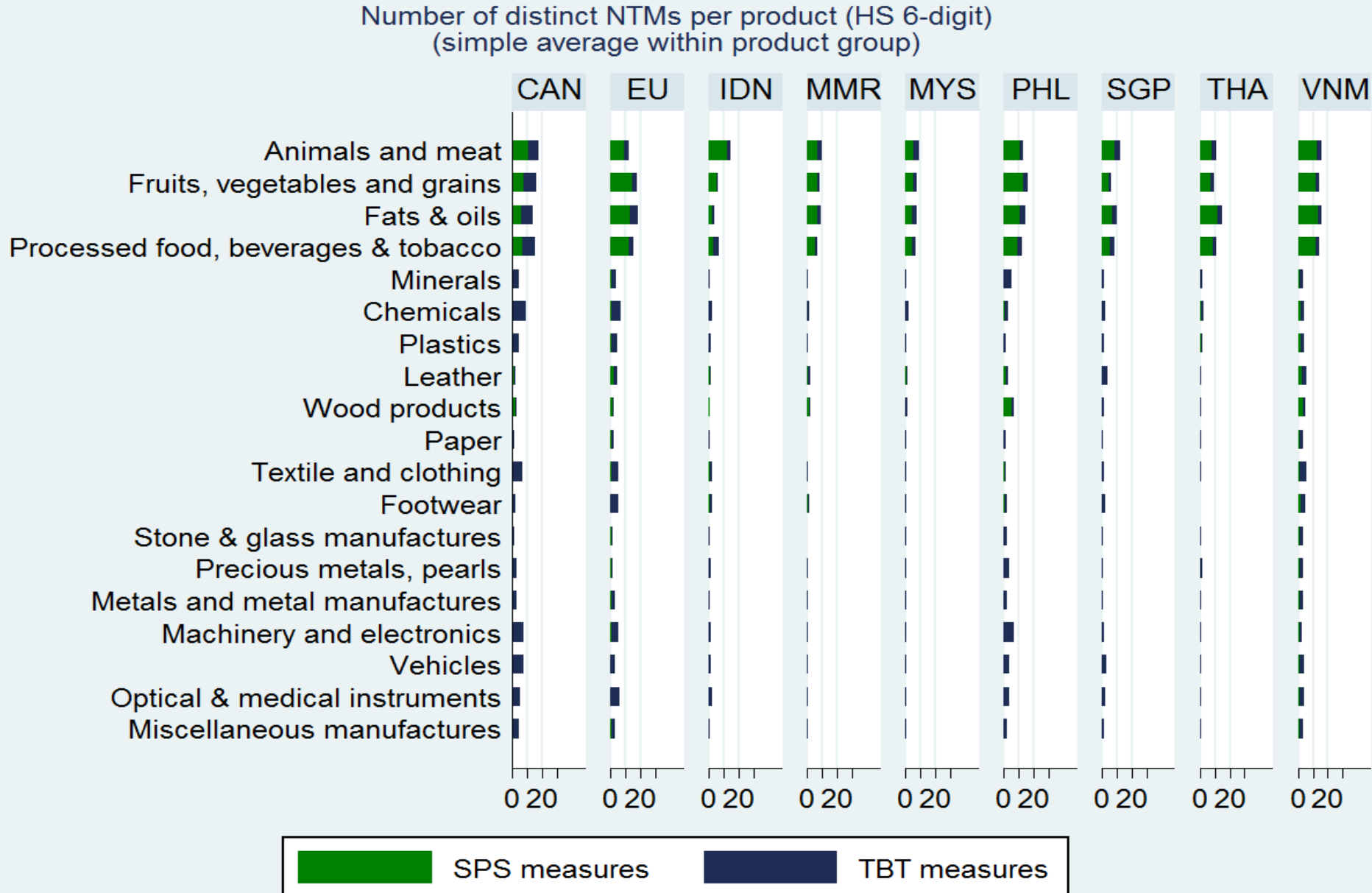


Alternative 1: Number of distinct NTMs per product

Average number of technical NTMs
on agricultural products

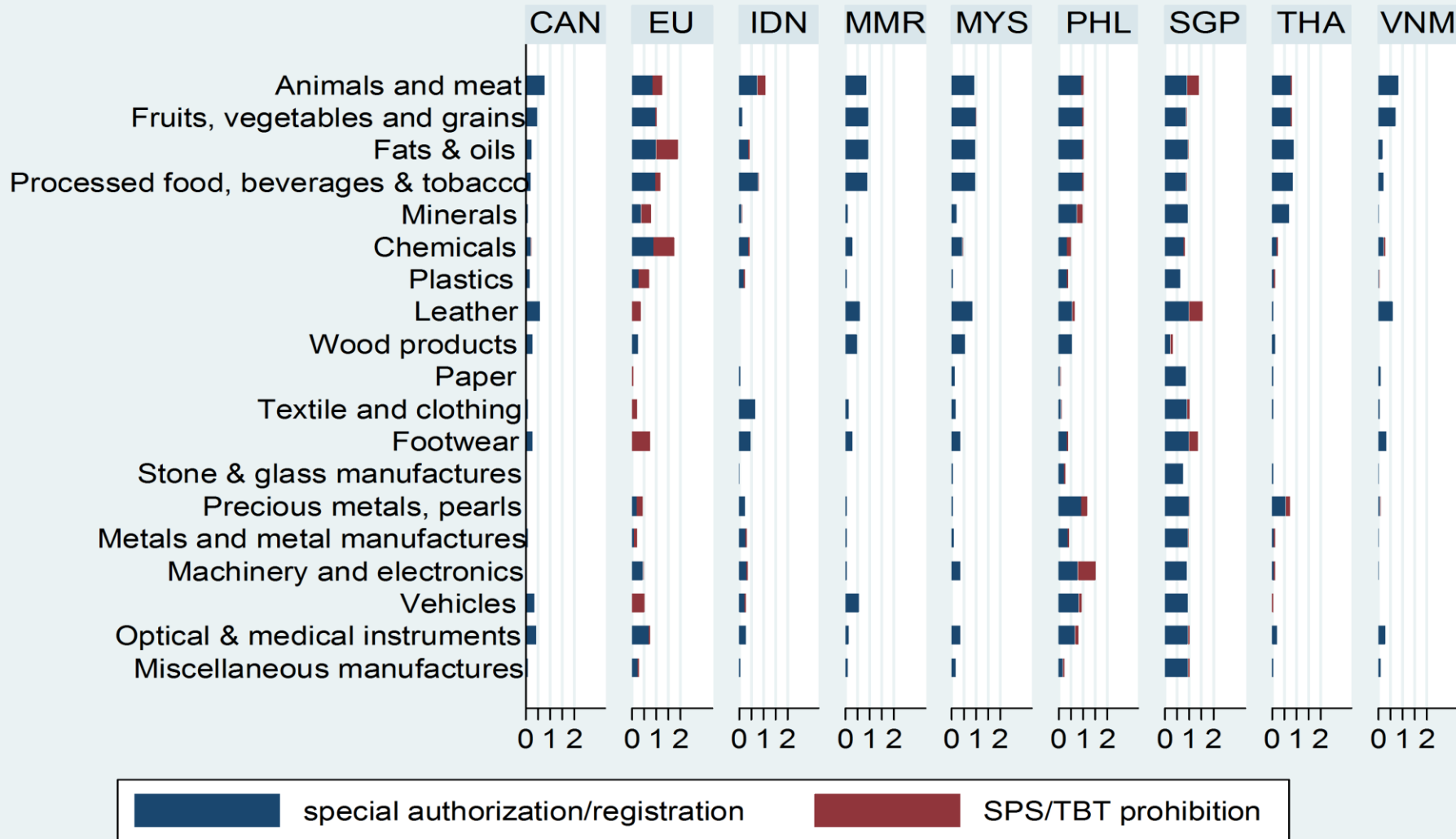


Alternative 1b: Number of distinct NTMs per product
→ Disaggregate more: compare sectors & countries



Alternative 2: Focus on specific measure types, e.g. «discretionary» NTMs

Product coverage affected by prohibitive/discretionary technical measures
(simple average within product group; excluding partially affected products)

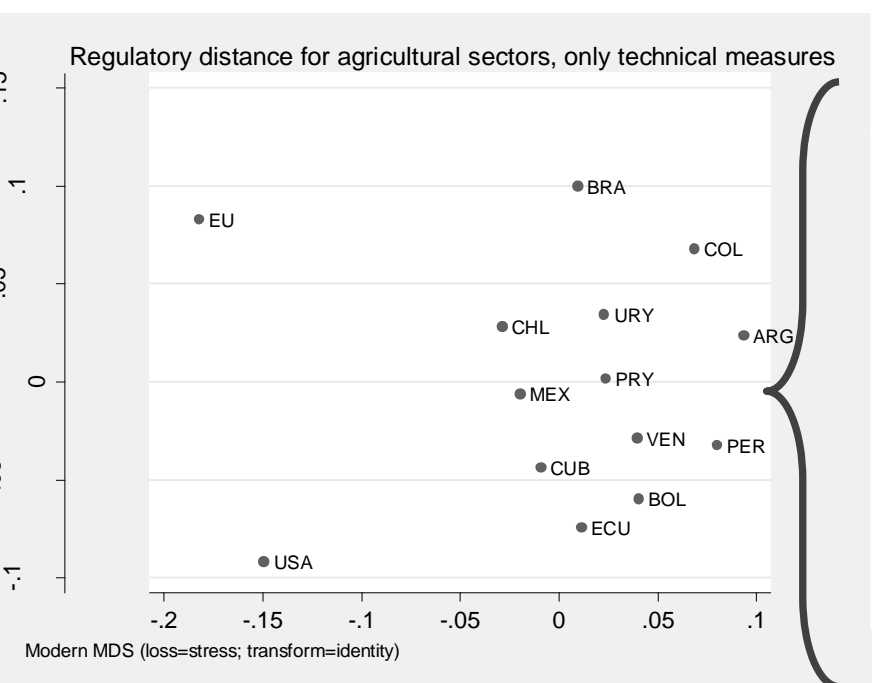


1. Assessing "regulatory distance"

Where are countries regulations already "close", where "distant"?

Distance in regulatory structure - data based analysis

- Benchmark and identify potential and priorities of harmonization
- Identify "shortest harmonization distances", by country, by sector, by sub-sector... then..



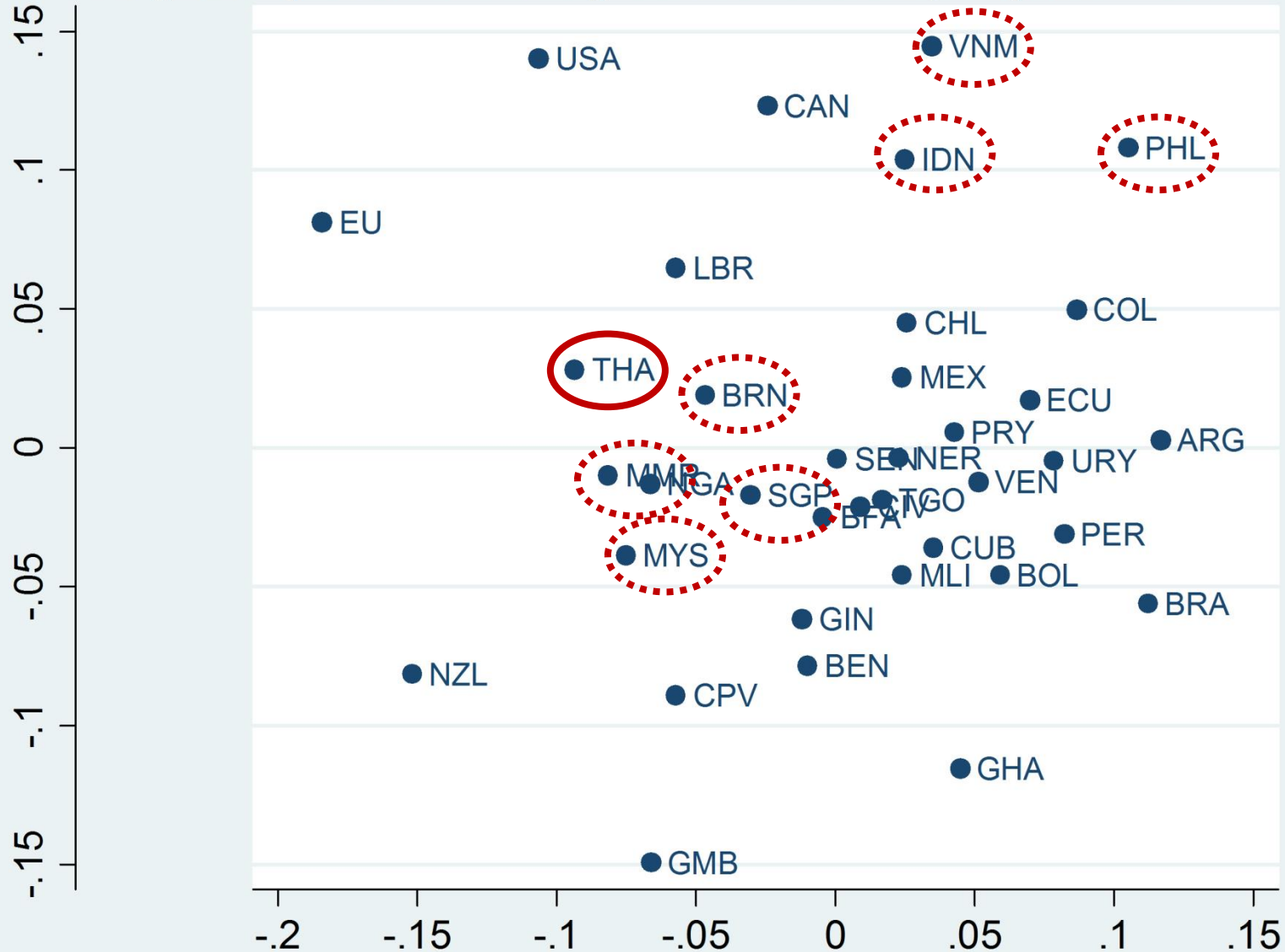
NTMs at HS6, e.g. oranges	Country A	Country B	Country C
A21: MRL	1 ↔ 1	1	0
A81: SPS registration	1 ↔ 1	1	0
A83: SPS certificate	0 ↗ 1	1	0
A84: SPS inspection	1 ↗ 0	0	1

NTMs at HS6, e.g. oranges	Country A	Country B	Country B	Country C
A21: MRL	1 ↔ 1		1 ↔ 0	
A81: SPS registration	1 ↔ 1		1 ↔ 0	
A83: SPS certificate	0 ↔ 1		1 ↔ 0	
A84: SPS inspection	1 ↔ 0		0 ↔ 1	
A....+30	0.. ↔	0..	0.. ↔	0..
B....+24	0..	0..	0..	0..
Different → Same (0;0)/(1;1) → “Regulatory distance”	2 2+54 2/58=3.4%		4 54 4/58=6.9%	

**Do for each product and each country-pair
→ aggregate (simple average)!**



Regulatory distance for agricultural sectors, only technical measures



Modern MDS (loss=stress; transform=identity)

Using regulatory convergence indicators in regression analysis

- Ongoing research
 - Panel data econometric study about MERCOSUR (early November)
 - Cross section Econometric analysis of ECOWAS (late 2016)
 - Soon to begin: analysis of ASEAN (cross section)
 - Proper journal-style technical paper (early 2017)
- Interim results
 - Regulatory convergence matters!
 - Consistent results between panel and cross-section data
 - Globally, trade costs associated with SPS/TBT can be reduced by 40% through regulatory convergence where no country would have to reduce or increase



Regulatory convergence beyond statistics...

- In-depth comparison of NTMs for a specific product
- *Previous example: data told us that countries A and B apply maximum residual limits of pesticides: but how strict are they? Are they the same or different?*
- Value chain analysis: imported inputs for processing

NTMs at HS6	country A	country B	country C
A21: MRL	1	1	0
A81: Inspection	1	1	0
A83: Certificate	0	1	0
A84: SPS inspection	1	0	1



The Gazette of the Democratic Socialist Republic of Sri Lanka
EXTRAORDINARY

අංක 1376/9 - 2005 ජනවාරි 19 වැනි දා - 2005.01.19
No. 1376/9 - WEDNESDAY, JANUARY 19, 2005

(Published by Authority)

PART I : SECTION (I) — GENERAL
Government Notifications

L.D. - B. 11/80 II

FOOD ACT, No. 26 OF 1980

REGULATIONS made by the Minister of Health in consultation with the Food Advisory Committee under No. 26 of 1980.

NIMAL SRI
Minister of Health
Uva Wellas

Colombo.
17th January, 2005.

Regulations

01. These Regulations may be cited as "Food (Labelling and Advertising) Regulations 2005."

02. No person shall sell, offer for sale, expose or keep for sale, transport or advertise for sale, any food container unless such package or container is labelled in accordance with these regulations.

Provided however that, these regulations shall not apply to any package of food if the food is of the nature or brand requested by the purchaser and is weighed, counted or measured in the presence of the purchaser.

Policy implication of complex interactions: coherence and convergence

- Coherence:
 - SDGs may lead to increased regulatory activity to "directly" influence sustainability...
 - but "indirect" linkages must not be ignored
 - Coherent policy making requires that responsible agencies/ministries assess costs and benefits of NTMs
- Convergence:
 - Harmonization of requirements can reduce trade costs (of adapting products to different market requirements)
 - ..while maintaining beneficial sustainability effects
 - Convergence and coherence can support each other



DIY: Downloading data and transforming to indicators



Building a dataset to calculate indicators

1. Get UNCTAD NTM data from WITS

Watch out for proper data availability (only if the field 'NTM Measures' shows all types of measures (A to P)

Save as "NTM_THA_WITS.dta"

2. Get trade data from WITS

3. Get full HS product code list at 6 digits

The screenshot displays the WITS (World Integrated Trade System) interface. At the top, there is a navigation bar with links: Quick Search, Advanced Query, Tariff and Trade Simulations, Results, Utilities, and Support Materials. Below this, a breadcrumb trail shows: Home > Quick Search > NTM - View and Export Raw Data.

The main section is titled "NTM - View and Export Raw Data" with a download icon. It provides information about non-tariff measures (NTMs) collected and classified by UNCTAD, stored in its TRAINS database. It mentions the HS code for affected products, the NTM code (4-alpha-numeric code of the NTM Classification), the source of information, and the date of entry into force. A link to download a detailed inventory by country of available non-tariff measures is provided.

The interface includes several input fields and lists:

- Reporter :** A dropdown menu set to "Thailand".
- Year :** A dropdown menu set to "2015".
- NTM Measures :** A list of NTM measures with expandable sections. The "ALL - All NTM Measure Codes" section is selected. The list includes:
 - A - Sanitary and phytosanitary measures
 - B - Technical barriers to trade
 - C - Pre-shipment inspection and other formalities
 - D - Contingent trade protective measures
 - E - Non-automatic licensing, quotas, prohibitions and quantity control measures other than for SPS or TBT reasons
 - F - Price control measures including additional
- Selected NTM Measures :** A list showing "ALL - All NTM Measure Codes". Below this list, a message states "Added 1 NTM Measure(s)" with "Remove" and "Remove All" buttons.
- Search based on level of aggregation**
 - Tier :** A dropdown menu set to "Sub-Heading (all 6-digit HS code)".
 - Enter a Product :** A text input field.
 - OR**
 - Products :** A list of products with expandable sections. The "All Products" section is selected. The list includes:
 - 01 -- LIVE ANIMALS
 - 02 -- MEAT AND EDIBLE MEAT OFFAL
 - 03 -- FISH AND CRUSTACEANS, MOLLUSCS AND
 - 04 -- DAIRY PRODUCE; BIRDS' EGGS; NATURAL
 - 05 -- PRODUCTS OF ANIMAL ORIGIN, NOT ELSE
 - 06 -- LIVE TREES AND OTHER PLANTS; BULBS, I
 - 07 -- EDIBLE VEGETABLES AND CERTAIN ROOTS
 - Selected Products :** A list showing "All Products". Below this list, a message states "Added 1 Product(s)" with "Remove" and "Remove All" buttons.

Building a dataset to calculate indicators

1. Get UNCTAD NTM data from WITS

2. Get trade data from WITS

Save as
“Trade_THA_COMTRADE.dta”

3. Get full HS product code list at 6 digits



Quick Search ▾

Advanced Query ▾

Tariff and Trade Simulations ▾

Results ▾

Utilities ▾

Support Materials ▾

[Home](#) > [Advanced Query](#) > [Trade Data \(UN Comtrade\)](#)

Trade Data (UN Comtrade) ? 🖨

Query Name:

Reporters:

Selected

Thailand -- THA

<<-Modify->>

Products:

Selected

HS 2012 (Selected Classification)
ALL3 -- Sub-Heading (all 6-digit HS codes)

<<-Modify->>

Partners:

Selected

World -- WLD

<<-Modify->>

Years:

Selected

2015

<<-Modify->>

Trade Flow:

Selected

Imports

<<-Modify->>

Back

Submit

Building a dataset to calculate indicators

1. Get UNCTAD NTM data from WITS
2. Get trade data from WITS
3. **Get full HS product code list at 6 digits**

Save as “HS2012.dta”



[Quick Search](#) ▾ [Advanced Query](#) ▾ [Tariff and Trade Simulations](#) ▾ [Results](#) ▾ [Utilities](#) ▾ [Support Materials](#) ▾

[Home](#) > [Support Materials](#) > [Product Nomenclature and Concordances](#)

Product Nomenclature and Concordances ?

To view product codes and description, select the Product Nomenclature option. To obtain a concordance table between two nomenclatures, select the Product Concordances option. The choice for a nomenclature/version is ar NTBs) you need to pay particular attention to the nomenclature/version you choose. WITS include an automatic conversion system between several nomenclatures and versions. You can therefore display your data using a de

☒ **Product Nomenclature**

Nomenclature :

Level :

☐ **Product Concordances**

Nomenclature :

Concordances :

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