- 1. Summary of yesterday
- 2. Small questions to share

DITC/TAB: Denise Penello Rial Bandar Seri Begawan , 10-11 February 2020 Kuala Lumpur , 13-14 February 2020



NTMs training in ASEAN Countries

NTM statistical analysis

Statistics on NTM

- 1. Understand how to compute and understand indicators
- 2. See results. Stylized facts in NTM use patterns
- 3. Interpret. What they say



Bandar Seri Begawan , 10-11 February 2020

Kuala Lumpur , 13-14 February 2020



Data Dissemination

TRAINS

The global database on Non-Tariff Measures

- **UNCTAD TRAINS via** trains.unctad.org
- \rightarrow For policy makers and negotiators
- \rightarrow Browsing all available data

Research Stata file

📩 Get the data

Same data

presentation for

different users

Different

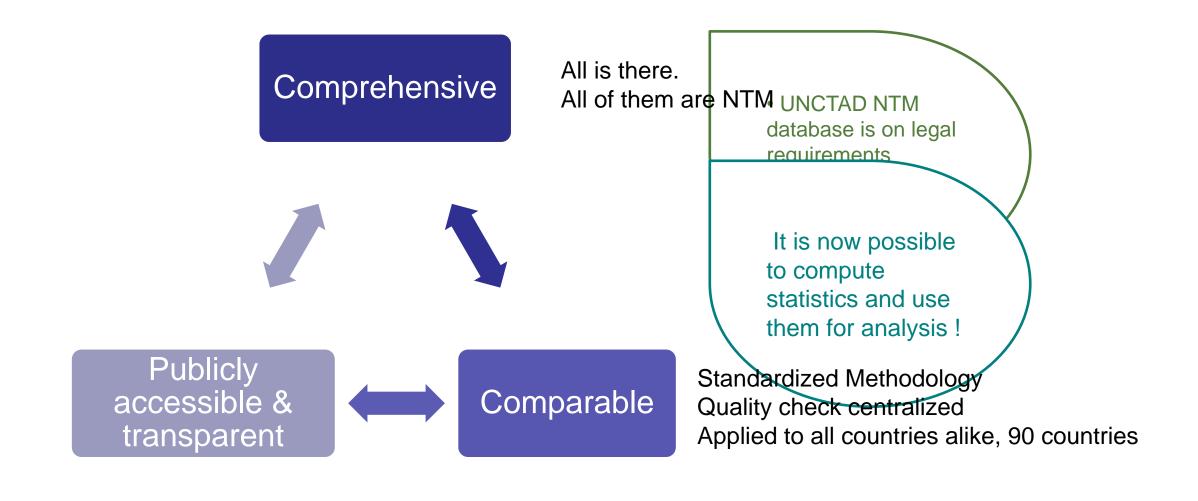
- 2. Excel summary indicators
- \rightarrow For researchers
- \rightarrow Statistically 'clean' data

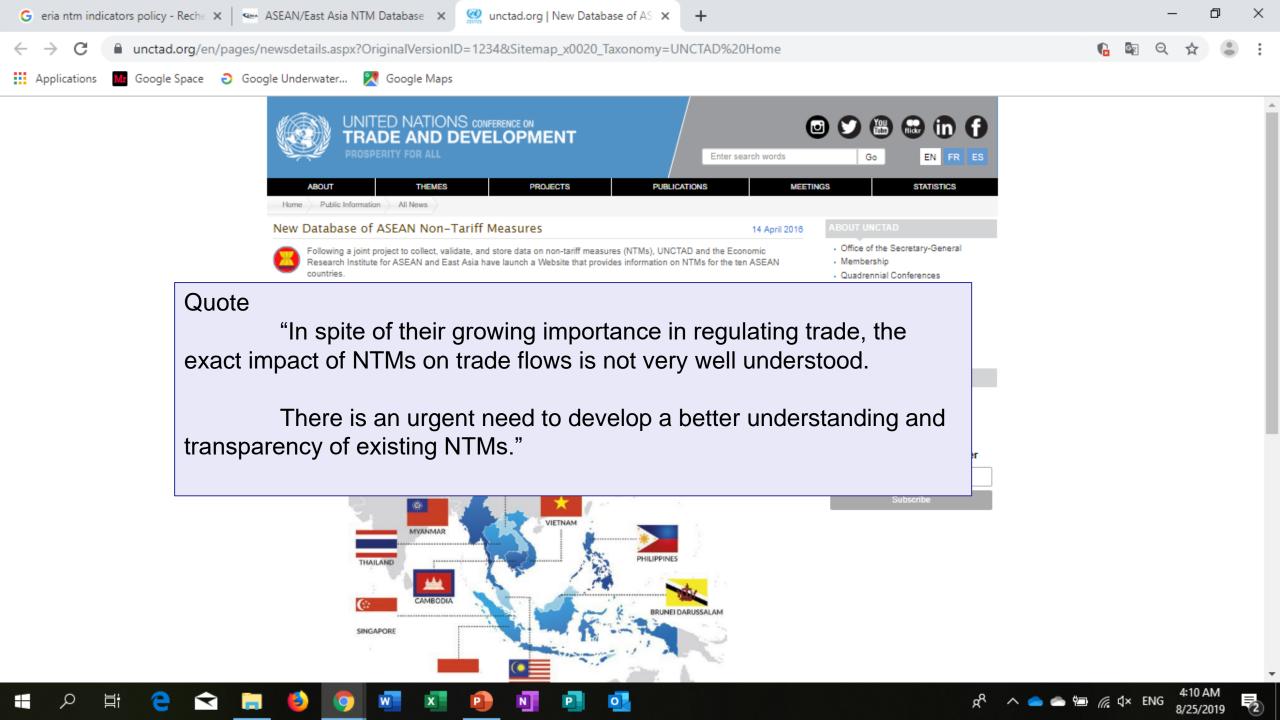


- World Bank WITS wits.worldbank.org
- \rightarrow For researchers
 - → Statistically 'clean' data

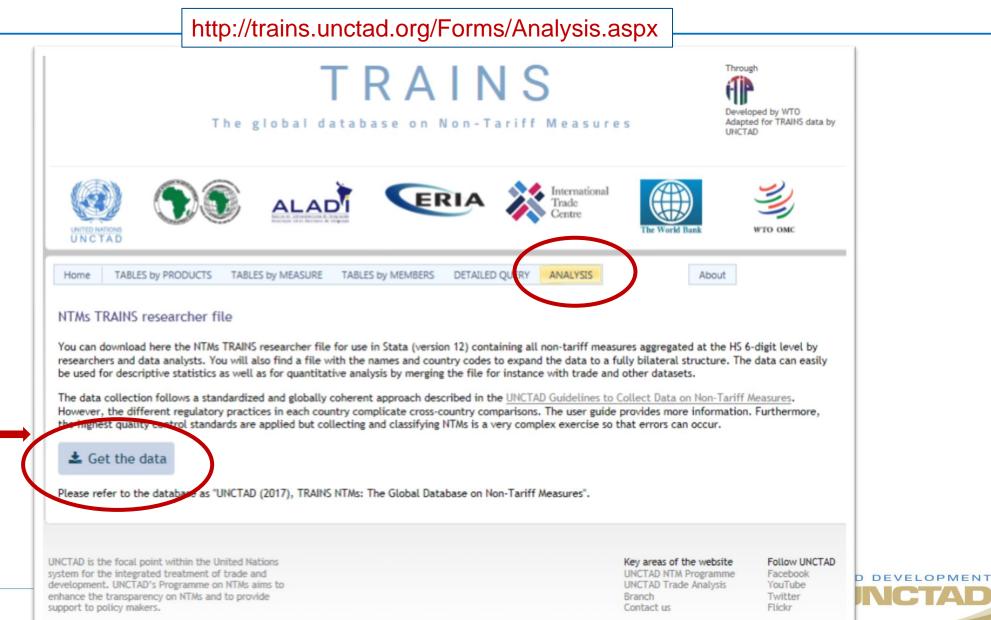
UNITED NATIONS CONFERENCE ON

- one database - one stop shop





TRAINS UNCTAD portal



O LINCE AD DOALD

STATA. "ntm_hs6_2016 v.12.dta"

- Disaggregated information for every :
 - Reporter + HS6 + Partner + NTM code
- 15 variables in all, including start date

Excel file. UNCATD_TRAINS_NTMS_indicators.xlsm

- This one has NTM indicators already computed. FI, CR, PS
 - for country
 - for country and sector (15 groups)
 - for country and chapter,
 - including aggregation for Technical/NonTechnical separately as well
 - (plus Full Count in all of the above)

UNCATD_TRAINS_NTMS_indicators.xlsm

A B C D E F G H J K L M N O P Q R Import AFG 0.185/0797 0.247439246 0.0907937 0.01677416 Import																			
PROTUCTUO VIW Tendel Edition K Media X 33 •	B	5- 0- 2				UNCATD_TRA	NINS_NTM	IS_indicators	[Protected	View] - Exc	el			Denise Pen	ello Rial 🛛 📔	F		ð	×
PROTUCTUO VIW Tendel Edition K Media X 33 •	File	Home	nsert Page Layout	Formulas	Data Review V	′iew Help ♀	Tell me	what you wa	ant to do										
A B C D E F G H I J K L M N O P Q R Import AFG 0.15557697 0.274739236 0.5997937 0.615577416 Import		ROTECTED VIEW			ontain viruses. Unless v	ou need to edit, it's ca				Enable Edit	ing								
A B C D E F G H J K L M N O P Q R Import AEG 0.13576927 0.24739246 0.2997937 0.015077416 Import		CITED VIEW	be care al-mes from	in the internet can c	ontain viruses, onless y	ou neeu to eur, it's st	ner to staj	mriotectet		LINDIE LUI	ing								<u>^</u>
Frequency Index Coverage Ratio Prevalence Score Full Count Import AFG 0.183578977 0.27473923 0.59907937 0.615677416 ARE 0.3181517 0.71756078 3.29373147 3.554971457 ARG 0.932623705 0.94200157 3.849431515 4.7050748 ATG 0.24020297 0.486929993 0.531023042 AUS 0.62483114 0.705984305 0.531122042 BEN 0.30484392 0.44873378 1.648971677 1.81223151 BFA 0.157979848 0.55806097 0.535086697 0.535086697 0.535086697	B3		$\times \checkmark f_x$	AFG															~
Frequency Index Coverage Ratio Prevalence Score Full Count Import AFG 0.183578977 0.27473923 0.59907937 0.615677416 ARE 0.3181517 0.71756078 3.29373147 3.554971457 ARG 0.932623705 0.94200157 3.849431515 4.7050748 ATG 0.24020297 0.486929993 0.531023042 AUS 0.62483114 0.705984305 0.531122042 BEN 0.30484392 0.44873378 1.648971677 1.81223151 BFA 0.157979848 0.55806097 0.535086697 0.535086697 0.535086697		А В	с	D	E	F	G	н	1	J	к	L	м	N	0	Р	Q	R	
Frequency Index Coverage Ratio Prevalence Score Full Court	1																		$\neg \Box$
ARE 0.5181517 0.717566788 3.292753147 3.554971457 ARG 0.93562370 0.943400157 3.84943151 4.760256748 ATG 0.26002697 0.486929893 0.531023042 Image: Control of Contrel of Contrel contrel of Control of Contrel control of Control of	2		Frequency Index	Coverage Ratio	Prevalence Score	Full Count													
ARE 0.5181517 0.717566788 3.292753147 3.554971457 ARG 0.93562370 0.943400157 3.84943151 4.760256748 ATG 0.26002697 0.486929893 0.531023042 Image: Control of Contrel of Contrel contrel of Control of Contrel control of Control of	3 Imp	ort AFG	0.185676977	0.274739236	0.59907937	0.615677416													
ARG 0.935623705 0.942400157 3.849431515 4.780256748 ARG 0.26402697 0.48692393 0.531123042 Image: Control of Cont	4	ARE	0.5181517	0.717566788	3.293753147	3.554971457													
ATG 0.26402697 0.486922893 0.531036556 0.5311232472 BEN 0.304843962 0.64275378 1.648971677 1.81923151 BFA 0.19759943 0.558086097 0.535081565 0.641414252 0 BHR 0.450804240 0.587320983 3.34496473 4.627479553 1 BHS 0.224589035 0.4412514 0.734668324 0.781172395 2 BOL 0.279736429 0.4425309 1.331897259 1.5942195 3 BRA 0.75817652 0.44293403 6.324755669 7.932682037 4 BRB 0.169675432 0.4425309 1.331897259 1.274936318 5 CAN 0.999233782 0.999497473 4.338653088 5.234014988 5 CAN 0.999233782 0.999497473 4.338653088 5.234014988 6 CHE 0.514924526 0.514558811 6.27455169 6 CAN 0.999233782 0.99497473 4.338653088 5.234014988 6 CHE 0.514924526 0.517470748 0.157817975 1	5	ARG	0.935623705	0.942400157	3.849431515	4.780256748													
BEN 0.304843962 0.4427378 1.648971677 1.8192151 Image: Control of Cont	6	ATG	0.26402697	0.486929893	0.531036556	0.531123042													
BFA 0.197599843 0.558086097 0.538081565 0.614134252 Image: Control of	7	AUS	0.62483114	0.769984305	3.665994167	4.472532272													
0 BHR 0.450804204 0.587320983 3.344964743 4.627479553 Image: Constraint of the constraint	8	BEN	0.304843962	0.64275378	1.648971677	1.81923151													
0 BHR 0.450804204 0.587320983 3.344964743 4.627479553 Image: Constraint of the constraint	9	BFA	0.197599843	0.558086097	0.535081565	0.614134252													
2 BOL 0.279736429 0.4425309 1.331897259 1.59422195 Image: Construction of the constru	10	BHR	0.450804204	0.587320983	3.344964743	4.627479553													
3 BRA 0.755817652 0.864984035 6.324755669 7.932682037 Image: Constraint of the constraint	11	BHS	0.224589035	0.4123514	0.724668324	0.781172395													
A BRB 0.164965332 0.431438953 0.429940283 0.433214575 Image: Constraint of the constraint	12	BOL	0.279736429	0.4425309	1.331897259	1.59422195													
5 BRN 0.196075439 0.368693233 1.140252829 1.274936318 Image: Construction of the cons	13	BRA	0.755817652	0.864984035	6.324755669	7.932682037													
5 CAN 0.999233782 0.999497473 4.338653088 5.234014988 Image: Construction of the cons	14	BRB	0.164965332	0.431438953	0.429940283	0.433214575													
7 CHE 0.514924526 0.514558315 4.924651623 5.786121845 Image: Chi in the content of the content	15	BRN	0.196075439	0.368693233	1.140252829	1.274936318													
8 CHL 0.620069265 0.67751538 1.282234788 1.627161503 Image: Comparison of the comparison	16	CAN	0.999233782	0.999497473	4.338653088	5.234014988													
a CHN 0.90364337 0.944094896 6.993517876 11.60372639 Image: Construction of the const	17	CHE	0.514924526	0.514558315	4.924651623	5.786121845													
a CHN 0.90364337 0.944094896 6.993517876 11.60372639 Image: Construction of the const	18	CHL	0.620069265	0.677515388	1.282234788	1.627161503													
0 CIV 0.135265112 0.217724562 0.157470748 0.157817975 Image: Comparison of the comparison	19	CHN	0.90364337	0.944094896	6.993517876	11.60372639													
2 COL 0.554563701 0.714669645 2.660742998 3.455701828 Image: Colority of the colority	20	CIV	0.135265112	0.217724562	0.157470748	0.157817975													
A CPV 0.166136265 0.462919563 1.820789099 2.008051872 Image: Comparison of the comparison	21	CMR	0.114781484	0.474221468	0.295593768	0.311885893													
A CPV 0.166136265 0.462919563 1.820789099 2.008051872 Image: Comparison of the comparison	22	COL	0.554563701	0.714669645	2.660742998	3.455701828													
4 CRI 0.007541495 0.016900117 0.030621661 0.034392409 Image: Comparison of the comparison	23	CPV	0.166136265	0.462919563	1.820789099	2.008051872													
CUB 0.20321539 0.35794279 0.639706969 0.696717739 Image: Comparison of the comparison	24	CRI	0.007541495	0.016900117	0.030621661	0.034392409													
5 DMA 0.288432002 0.473655313 0.439556777 0.521460533 * reporter reporter_sector reporter · · · · · · · · · · · · · · · · · · ·	25	CUB	0.20321539	0.35794279		0.696717739													
reporter reporter_sector reporter + : •	26	DMA	0.288432002	0.473655313	0.439556777	0.521460533													-
eady III III + 100%		► repo	orter reporter_sec	ctor reporter	🕂 : 🖣														
	Ready															巴	-	+	100%

Ň

9:42 PM

8/4/2019

2

🔨 🥧 📥 🚈 🌈 🕼 ENG

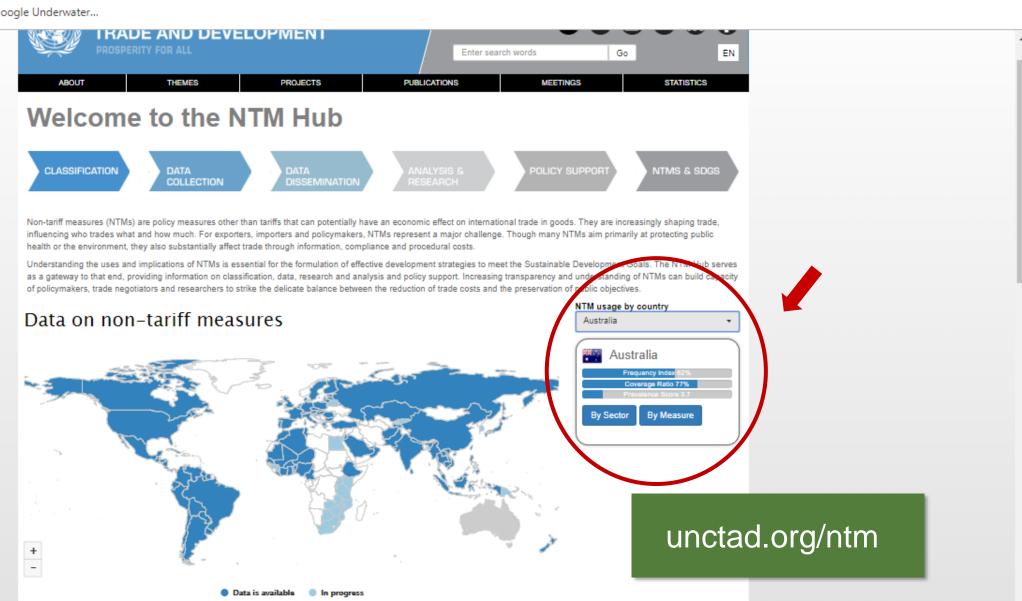
RR

 $\overline{}$

-

C Attps://unctad.org/en/Pages/DITC/Trade-Analysis/Non-Tariff-Measures.aspx

👖 Applications 🛛 Google Space 🛛 Google Underwater...



5/7/2018



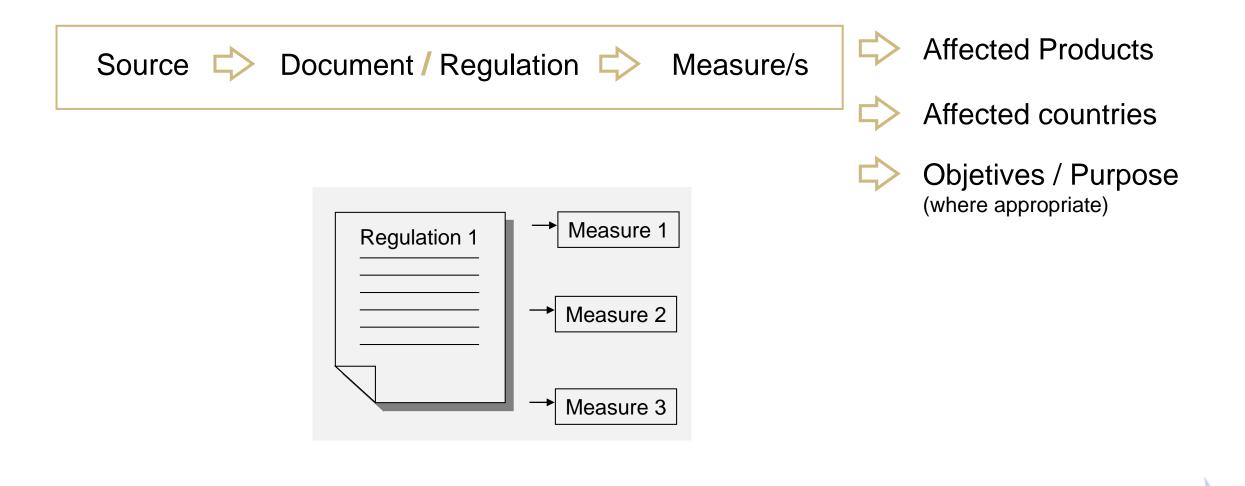
🔄 Q 🏠 🏩

4:19 PM

8/1/2019

7

Data collection starts from reading the regulation ... to extract the measures



UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMEN

Data collection starts from reading the regulation ... to extract the measures

Source C Document / Regulation A Measure/s

/s C

Affected Products

Affected countries

Objetives / Purpose (where appropriate)

One measure is :
 ✓ 'unilateral' when it affects all countries in the world (similar to MNF)
 ✓ 'bilateral' when it affects one or a few (but not all) countries at a time

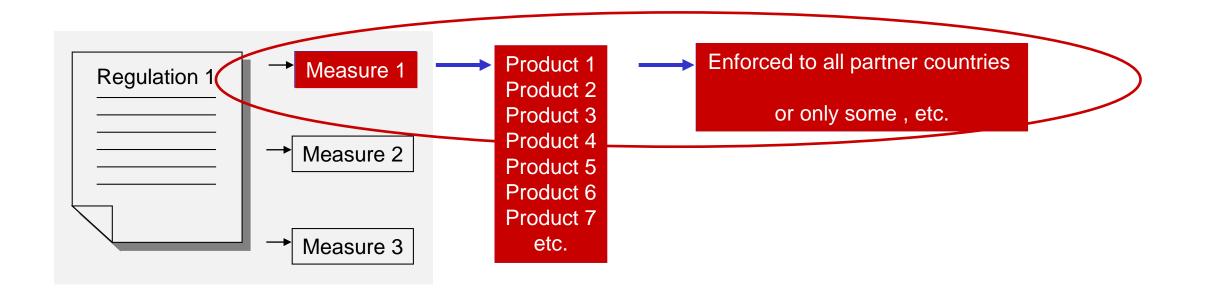
One measure is :

✓ 'horizontal' when it affects
 ALL products simultaneously

Examples of horizontals

	C O	Philippines		Vietnam
NTM code:	C 9			NTM code: H9
33-2014 and Bui 2014, all importe accreditation with Importer or Brok securing these, i	3 In compliance with D reau of Internal Revenue ers and Customs brokers and h the BIR for the issuance er Clearance Certificate (mporters and Customs brokers and ccreditation with the BOC	shall first apply for e of their respective ICC or BCC). Upon rokers shall file an		Description:Thismeasure sets out proceduresand documents for registeringrights to import (by trader withno presence in Vietnam)Source:Luat Viet
Office. 5 All impo		rs are required to apply for		Nam - Circular on guiding the registration of trading rights for foreign traders with no commercial presence in Vietnam
Source: registration of im to DOF Departm		Revised guidelines for kers with the BOC pursuant		Legal text: Regulation which instruct registration of trading rights for foreign
Legal text: and Customs bro Order 33-2014	Revised guidelines for okers with the BOC pursu	registration of importers ant to DOF Department		trading rights for foreign traders with no commercial presence in Vietnam
		UNITED NATIONS	CONFI	ERENCE ON TRADE AND DEVELOPMENT

Data collection starts from reading the regulation ... to register the enforced NTM



This is sometimes called 'a measure'

It is the number visible in the summary page in TRAINS

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMEN

CTAL

INCT	TAD TRAINS ·	- Non-Tariff M	le X -	+						—	đ	×
\leftrightarrow	C 🔒	trains.uncta	id.org/For	rms/TableViewDetails.aspx?mode=	modify						*	0 0 0
Applica	ations Mr	Google Spac	e 👌 Go	oogle Underwater 🏾 🎘 Google Map:	s							
C P D	Measures: Country(ies) ir Partner(s) affe Date(s): Product(s):	ected:	measures Any Any [Incl	and Phytosanitary [SPS] [A], Technica s [QC] [E], Price control measures [PC] lude the category "All partners"] D19 [in force]	I Barriers t [F], Other	to Trade [TBT] [B], Pre-shipment inspo r measures [OTH] [G,H,I,J,K,L,M,N,O],	ection [INSP] Export-relat] [C], Contingent trade protective mea ted measures [EXP] [P]	sures [CTPM] [D], Quantity control		to default Modify	5
Ye		overs 773 meas n resulted in 11		5					Export to excel 5	Return t	to summar	y
M	leasures:											
	Aeasures: Country imposing	Partner affected	Categor	Measure description	Also domestic	Product description	HS	Source	National legal basis		orce hdrawn	
i	Country		Categor: SPS A852	Measure description This measure requires keeping track of processing history of fishery products			HS 030191 030192 030193 	Source Luat Viet Nam - Circular of Ministry of Agriculture and Rural Development on tracing and recalling of fishery products being unqualified for food	National legal basis <u>Circular of Ministry of Agriculture a</u> <u>Rural Development on Regulations</u> for tracing and recalling of fishery, <u>products being unqualified for food</u> <u>other link</u>	Wit <u>nd</u> 07/		•
1	Country imposing	affected All	SPS	This measure requires keeping track of processing history of fishery	domestic	:	030191 030192 030193	Luat Viet Nam - Circular of Ministry of Agriculture and Rural Development on tracing and recalling of fishery products being unqualified	Circular of Ministry of Agriculture a Rural Development on Regulations for tracing and recalling of fishery products being unqualified for food	Wit nd 07/	hdrawn	A
	Country imposing Viet Nam	All Members	SPS A852 SPS	This measure requires keeping track of processing history of fishery products Requirement on testing of products in cases of: - Upon the request of production and business units, and other related agencies - state	domestic Yes	Fishery products	030191 030192 030193 030193 030191 030192	Luat Viet Nam - Circular of Ministry of Agriculture and Rural Development on tracing and recalling of fishery products being unqualified for food	<u>Circular of Ministry of Agriculture a</u> <u>Rural Development on Regulations</u> <u>for tracing and recalling of fishery</u> <u>products being unqualified for food</u> <u>other link</u>	Wit nd 07/ d 01/	hdrawn 03/2011	^

Р

0

ρ

e

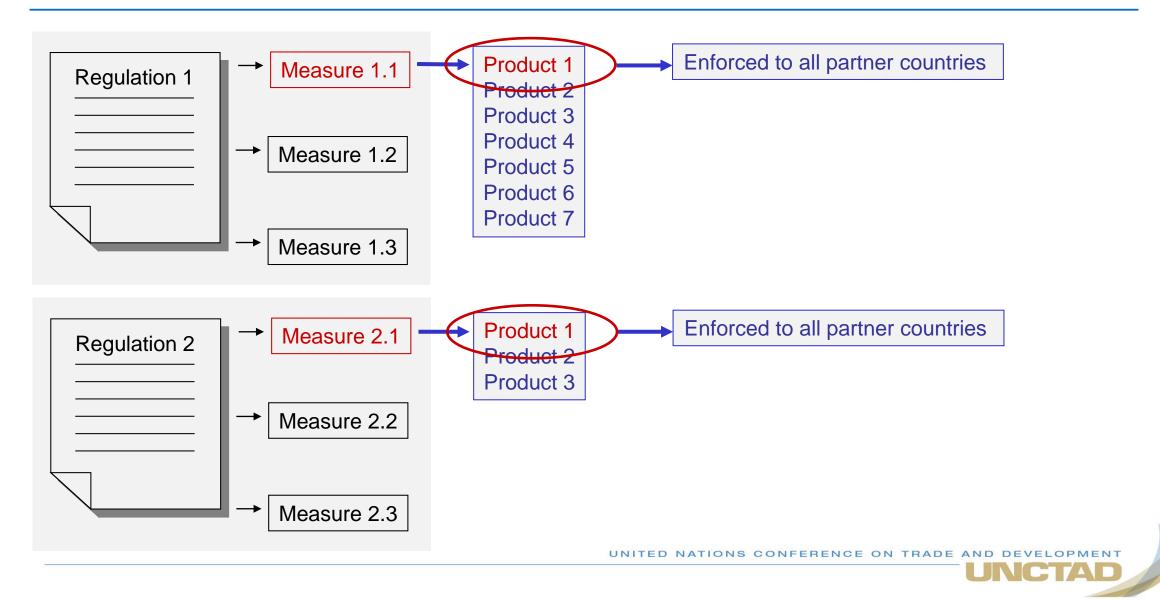
😒 🚍 🗳 🥥 🚾 💵 💵



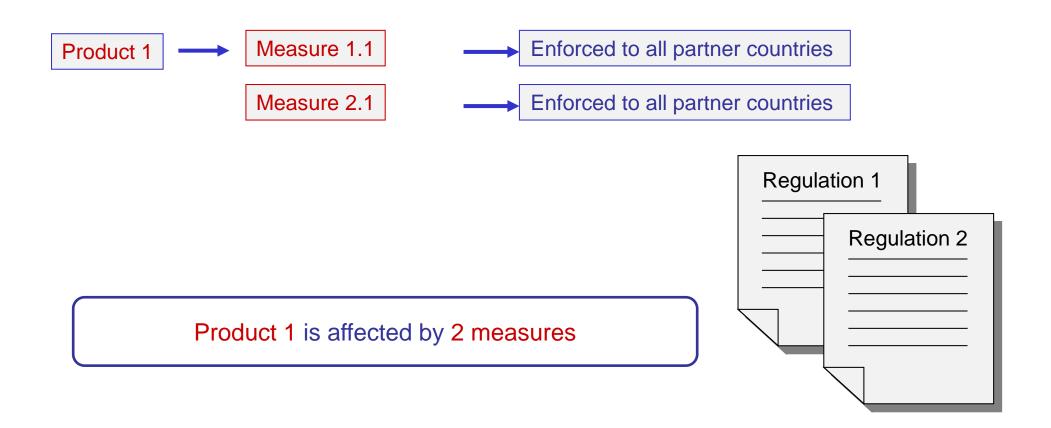
12:15 PM 8/26/2019

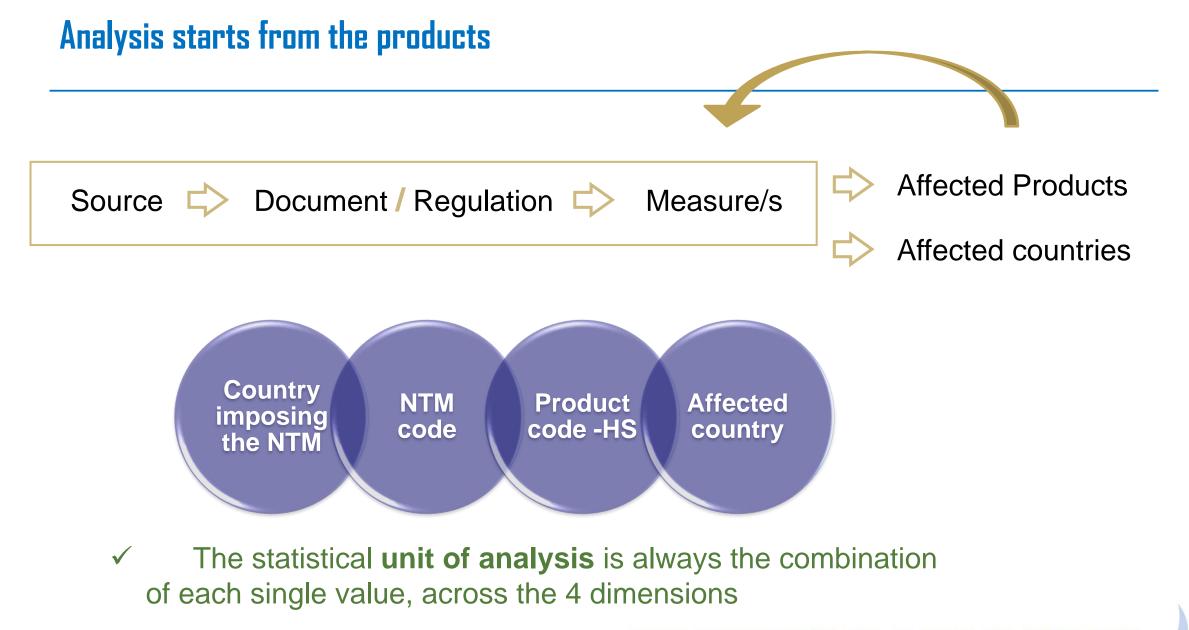
Sear	rch result											
Ð N	lumbers canno	ot be compared										
HS	Code	Product description		TBT	SPS	INSP	СТРМ	QC	PC	EXP	OTH	
Г		Total		2565	<u>9</u> <u>29723</u>	<u>1809</u>	<u>338</u>	<u>6454</u>	<u>1452</u>	7795	<u>320</u>	Nib
	Sec. I	Live animals and products	Number of NTM	<u>1866</u>	<u>6745</u>	<u>333</u>	<u>5</u>	<u>537</u>	<u>31</u> 7	<u>2143</u>	<u>78</u>	Nbi
-	Sec. II	Vegetable products	requirements in	2265	<u>8722</u>	<u>837</u>	<u>3</u>	<u>567</u>	<u>490</u>	2260	<u>100</u>	'Meas
-	Sec. III	Animal and vegetable fats, oils an	regulation	<u>1058</u>	<u>2294</u>	<u>137</u>	<u>3</u>	<u>264</u>	<u>199</u>	<u>896</u>	<u>56</u>	
-	Sec. IV	Prepared foodstuff; beverages, sp	regulation	3928	<u>5819</u>	<u>291</u>	4	<u>552</u>	<u>407</u>	<u>1696</u>	<u>109</u>	
-	Sec. IX	Wood, cork and articles; basketwa	re	<u>648</u>	<u>687</u>	<u>118</u>	<u>3</u>	<u>202</u>	<u>151</u>	<u>688</u>	<u>54</u>	
-	Sec. V	Mineral products		2251	<u>906</u>	<u>179</u>	<u>3</u>	<u>544</u>	<u>306</u>	<u>1018</u>	<u>92</u>	
	Sec. VI	Products of the chemical and allie	d industries	<u>6812</u>	<u>2404</u>	<u>332</u>	<u>3</u>	<u>1796</u>	<u>507</u>	<u>2591</u>	<u>138</u>	38
	Sec. VII	Resins, plastics and articles; rubbe	r and articles	2222	<u>446</u>	<u>135</u>	<u>3</u>	<u>449</u>	<u>200</u>	<u>668</u>	<u>69</u>	
	Sec. VIII	Hides, skins and articles; saddlery	and travel goods	<u>434</u>	<u>423</u>	<u>87</u>	<u>3</u>	212	<u>143</u>	<u>549</u>	<u>49</u>	
	Sec. X	Paper, paperboard and articles		<u>596</u>	<u>260</u>	<u>85</u>	<u>3</u>	<u>274</u>	<u>137</u>	<u>368</u>	<u>60</u>	
	Sec. XI	Textiles and articles		1069	<u>633</u>	<u>144</u>	4	<u>401</u>	<u>160</u>	<u>740</u>	<u>64</u>	
	Sec. XII	Footwear, headgear; feathers, artif	flowers, fans	<u>459</u>	255	<u>56</u>	<u>3</u>	<u>150</u>	<u>117</u>	<u>414</u>	<u>49</u>	
-	Sec. XIII	Articles of stone, plaster; ceramic	prod.; glass	1222	<u>186</u>	<u>94</u>	<u>3</u>	<u>281</u>	<u>140</u>	<u>459</u>	<u>57</u>	
	Sec. XIV	Pearls, precious stones and metals	; coin	566	<u>101</u>	<u>97</u>	<u>3</u>	<u>287</u>	<u>159</u>	<u>702</u>	<u>63</u>	
-	Sec. XIX	Arms and ammunition		329	77	<u>63</u>	<u>3</u>	<u>340</u>	<u>143</u>	<u>528</u>	<u>52</u>	
-	Sec. XV	Base metals and articles		2196	285	<u>124</u>	<u>9</u>	<u>413</u>	<u>173</u>	<u>744</u>	<u>66</u>	
-	Sec. XVI	Machinery and electrical equipme	nt	4668	<u>118</u>	<u>151</u>	<u>3</u>	<u>682</u>	<u>249</u>	<u>616</u>	<u>82</u>	
	Sec. XVII	Vehicles, aircraft and vessels		1923	55	<u>114</u>	3	<u>430</u>	<u>210</u>	469	57	

Data collection starts from reading the regulation ... Analysis starts from the products



Analysis starts from the products





UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMEN

Country
imposing
the NTMNTM
codeProduct
code -HSAffected
country

Imposing country	Affected partner	Affected product	Is there an NTM?	NTM code
А	В	1	Yes	A110
А	В	2	Yes	A830
А	В	1	Yes	E120
А	D	3	No	
А	E	3	Yes	E120
А	E	4	Yes	B810
А	F	5	No	
А	F	6	Yes	E220



Country imposing the NTM NTM Product code -HS

Affected country

Imposing country	Affected partner	Affected product	Is there an NTM?	NTM code	Trade Value \$	
А	В	1	Yes	A110	10	
А	В	2	Yes	A830	20	Traded
А	В	1	Yes	E120	10	Products
A	D	3	No		50	
A	E	3	Yes	E120	20	2
A	E	4	Yes	B810	0	Non-Traded
A	F	5	No		0	Products
A	F	6	Yes	E220	0	

Country
imposing
the NTMNTM
codeProduct
code -HSAffected
country

Imposing country	Affected partner	Affected product	Is there an NTM?	NTM code	Trade Value \$	
A	В	1	Yes	A110 & E120	10	Traded
А	В	2	Yes	A830	20	Products
А	D	3	No		50	Troducto
A	E	3	Yes	E120	20	J

Country
imposing
the NTMNTM
codeProduct
code -HSAffected
country

UNCTAD

Imposing country	Affected partner	Affected product	Is there an NTM?	NTM code	Trade Value \$
A	В	1	Yes	A110 & E120	10
4	В	2	Yes	A830	20
١	D	3	No		50
	E	3	Yes	E120	20
ndicator esult			3/4		50/100
			0.75		0.50
			Frequency Index		Coverage Ratio

Country imposing the NTM Code Product code -HS

Affected country

Imposing country	Affected partner	Affected product	Is there an NTM?	NTM code	Trade Value \$	How many diff NTM?
A	В	1	Yes	A110 & E120	10	2
A	В	2	Yes	A830	20	1
А	D	3	No		50	0
А	Е	3	Yes	E120	20	1
			yes 3/all 4		50/100	4/5 (average)
			0.75		0.50	0.8
			Frequency Index		Coverage Ratio	Prevalence Score
			From 0 to 1		From 0 to 1	
2			UN	ITED NATIONS CO	NFERENCE ON TRA	

C https://unctad.org/en/Pages/DITC/Trade-Analysis/Non-Tariff-Measures.aspx

 $\overline{}$

╘

Ð

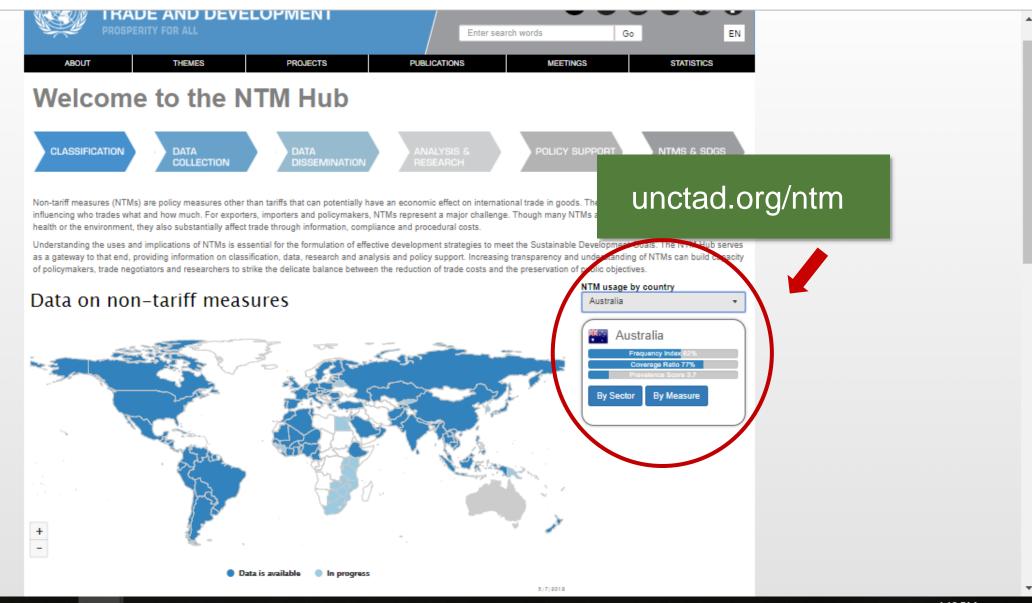
X

₹n

8/1/2019

🔤 Q 🛧 😩

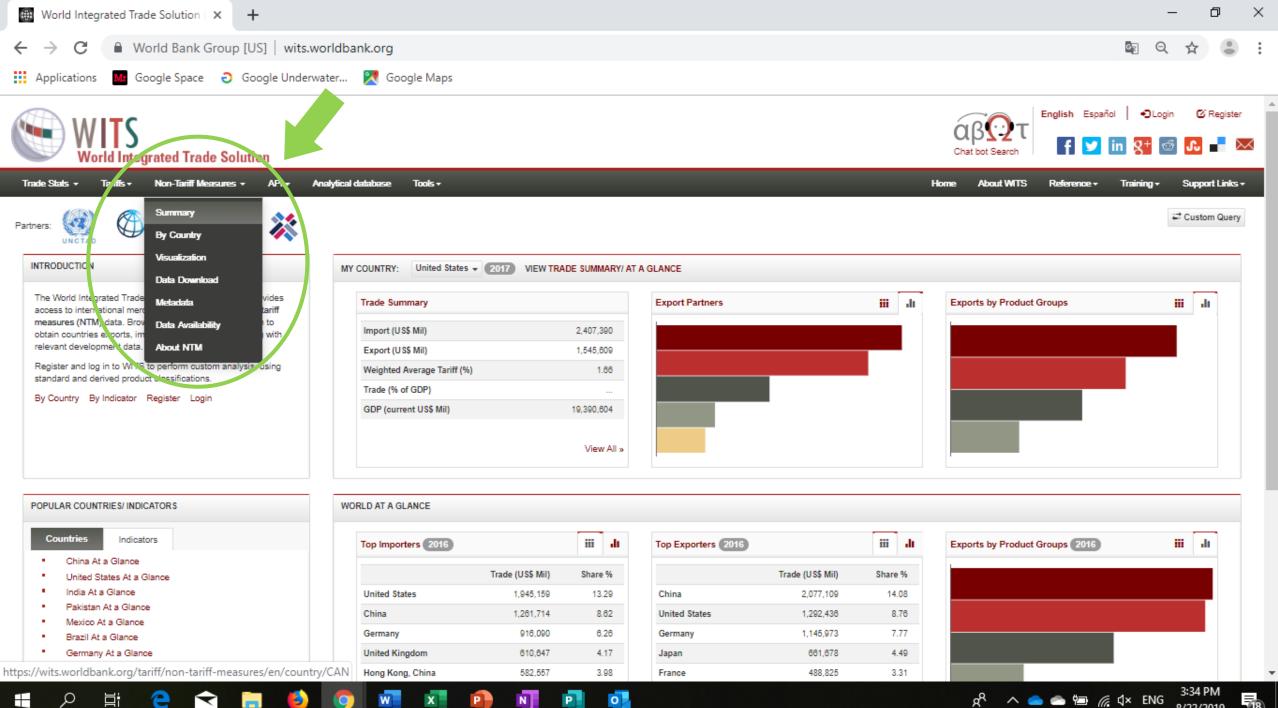
👖 Applications 🛛 📶 Google Space 🛛 Ə Google Underwater...



0

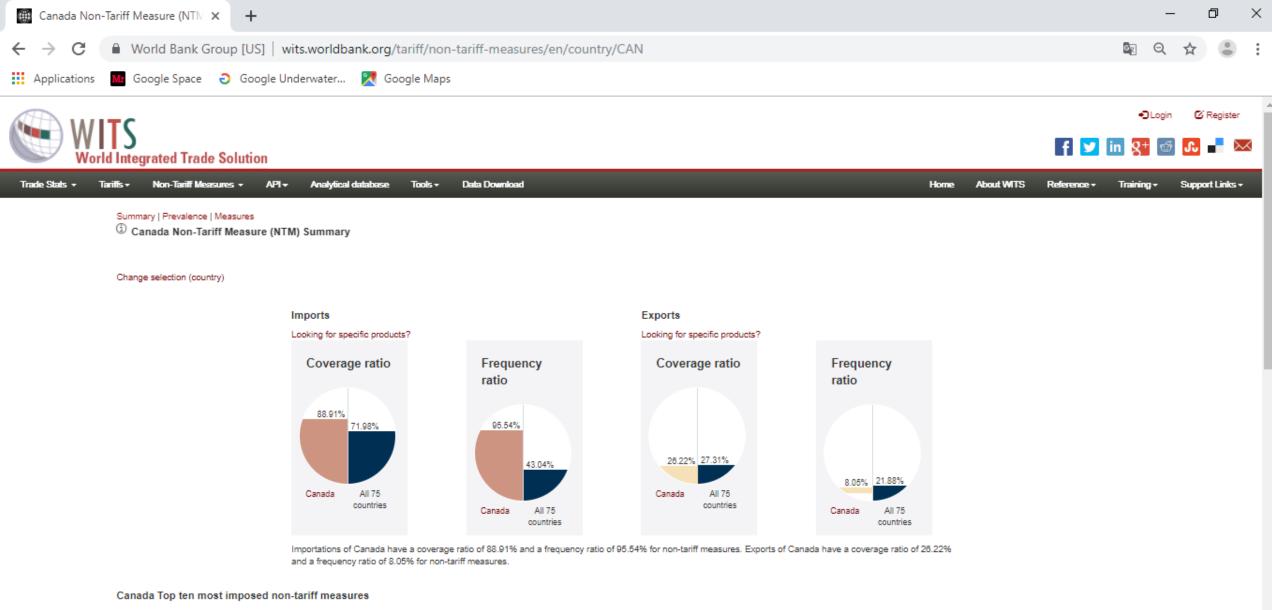
a^R

へ 촘 🥌 🔚 🌈 🕼 ENG



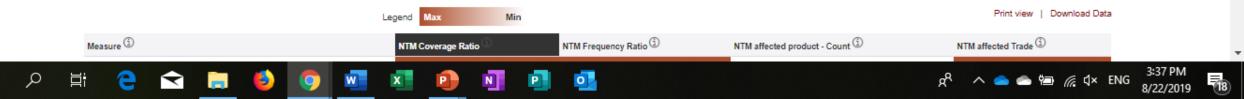
(18)

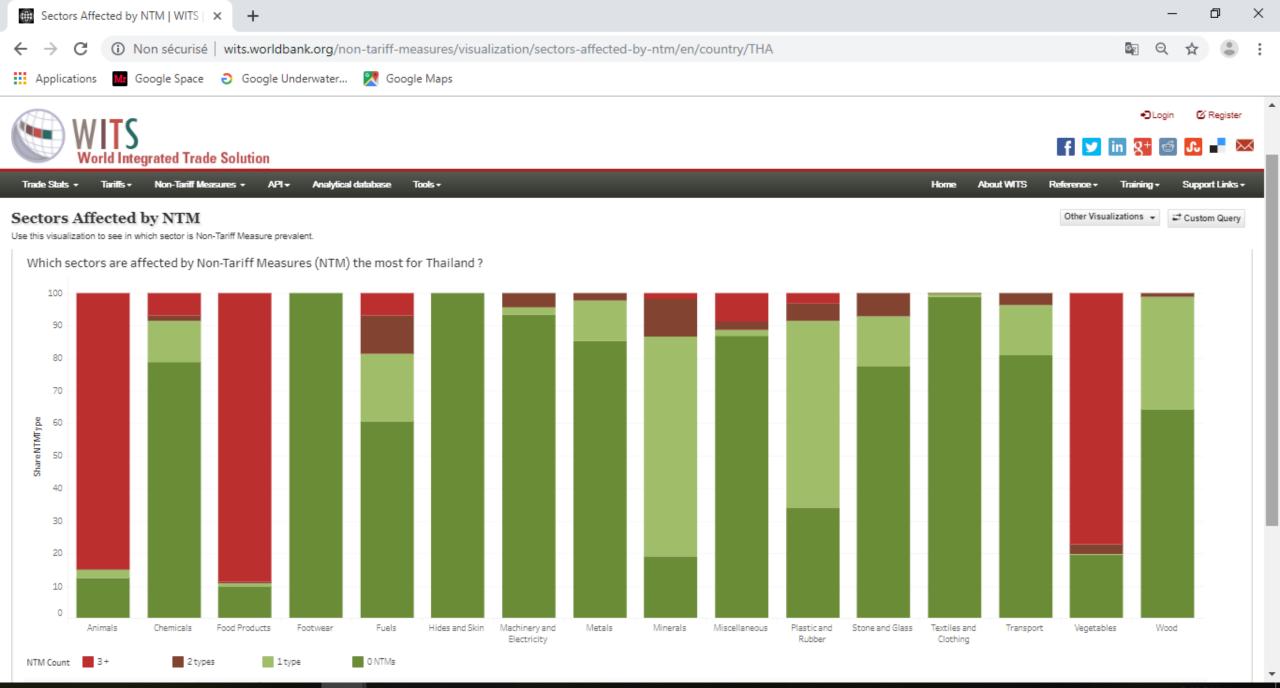
8/22/2019



NTM Frequency and Coverage ratio, total imports, NTM Affected Product count NTM affected Trade (sorted by coverage ratio)

Ŧ





0

P

Ν

Ω

(18)

Duty free imports	affected by NTL $ imes$	+									-	- 0	×
\leftrightarrow \rightarrow G (i)	Non sécurisé wi	its.worldbank.org/non	-tariff-measure	s/visualization	/ntm-dutyfree-im	ports-affected-bynt	tm-visualizatio	on.html		1	Q R	\$:
Applications M	Google Spac	Google Underwater	🔀 Google Map	s									
WIT!		Google Underwater Sea https://elgoog.im/unde									 Login 	🕑 Regi	ister
World Int	tegrated Trade So	lution								f 🗾 in	<mark>8+</mark> 🚭	; J 🖸 📲	\sim
Trade Stats + Tariffs +	Non-Tariff Measures	- API- Analytical da	ntabase Tools -						Home About WITS		aining +	Support Lir	
Duty free impor	ts affected by	NTM's								Other Visualizat	ions 👻 ;	😅 Custom Qu	Jery
Use this visualization check pe													
Duty Free Imports af	fected by NTM me	asure											
Country Name 🚊	A: Sanitary and phytos. E	: Technical barriers to C: Pre-sh	ipment inspec D: Pric	e control measur E:	Licences, quotas, pr F: Ch	arges, taxes and o G: Fina	ance measures H: /	Anti-competitive me 1:	Trade-related invest. J: Distribu	ution restricti N: Intell	ectual prope	rty	
Algeria	0.00	0.13			0.12			0.10					
Antigua and Barbuda	0.25	0.14	0.26		0.03	0.66							
Argentina	3.51	3.70	0.09		2.34	6.46	2.57	7.06					
Australia	3.55	34.02	0.56		0.22	16.20					0	0.03	
Bahamas, The	5.73	2.36	1.17			25.86	0.24	3.90					
Bahrain	4.03	6.41	4.69		2.29	1.34		0.01					
Benin		3.62	2.86		0.09	2.31			0.00				
Bolivia	1.56	1.73			0.00	0.06							
Brazil	6.40	14.39	2.63	2.57	11.08	0.04		8.60					
Burkina Faso	7.10	4.18	1.72					2.16					
Canada	4.03	24.32	1.15		3.00	47.96		0.00					
Chile	0.05	0.00			0.05								
Colombia	10.16	14.81	3.17	0.49	18.84	2.64		0.84					
Costa Rica	0.01	0.80			0.01	0.04							
Cote d'Ivoire		0.02	0.04										
Cuba	0.48	4.33						0.42					
Dominica	2.59	1.52	0.53		0.25	0.25							
	2.91	12.07	0.38		3.03	0.54		0.04					
Ecuador	10	and the second se	0.20					w.w.t					

0.01

0.01

0.19

0.45

1.51

0.01

0

Ρ

Ν

P

ByCountrySector.png ^

Цi

e

Ethiopia(excludes Eritrea)

ρ

European Union

Gambia The

0.02

5.26

10.12

文 🛛 🥫

4.39

41.51

7.68

1.79

X

w

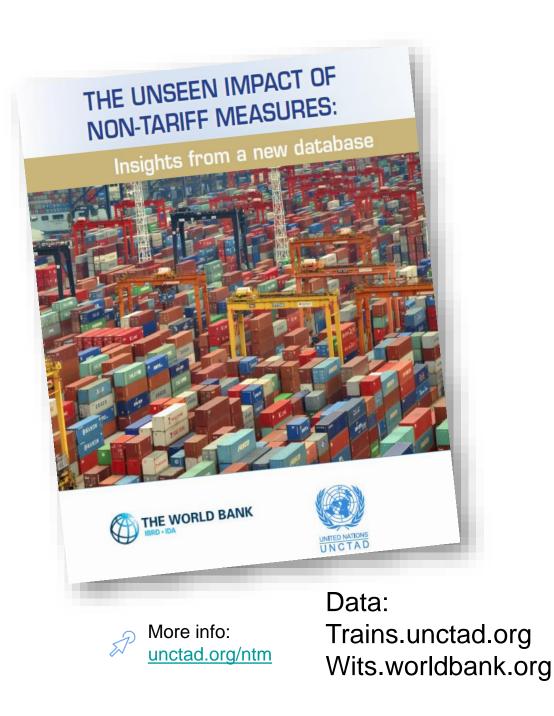
9

Ŧ

×

18

Tout afficher



Key findings:

- Developed countries regulate more products and a higher share of imports than developing countries
- Agricultural products are more regulated than manufactures and natural resources
- Technical Barriers to Trade are the most frequent form of NTMs
- Based on data for 109 countries, covering 90% of global trade

THE UNSEEN IMPACT OF NON-TARIFF MEASURES:

Insights from a new database







Developed countries regulate more products and a higher

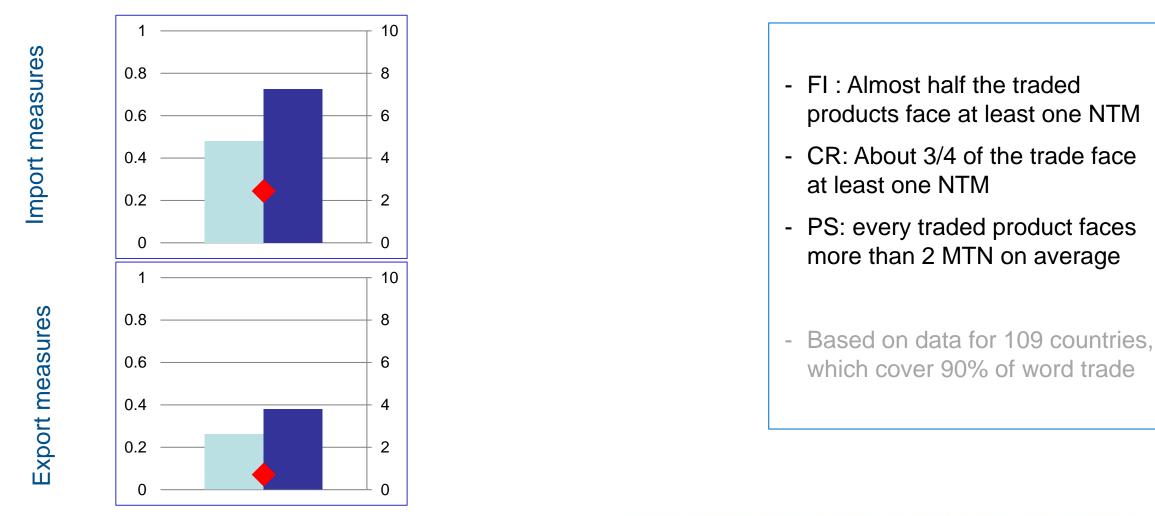
share of imports than developing countries

Key findings:

- Agricultural products are more regulated than manufactures and natural resources
- Technical Barriers to Trade are the most frequent form of NTMs
- Based on data for 109 countries, covering 90% of global trade



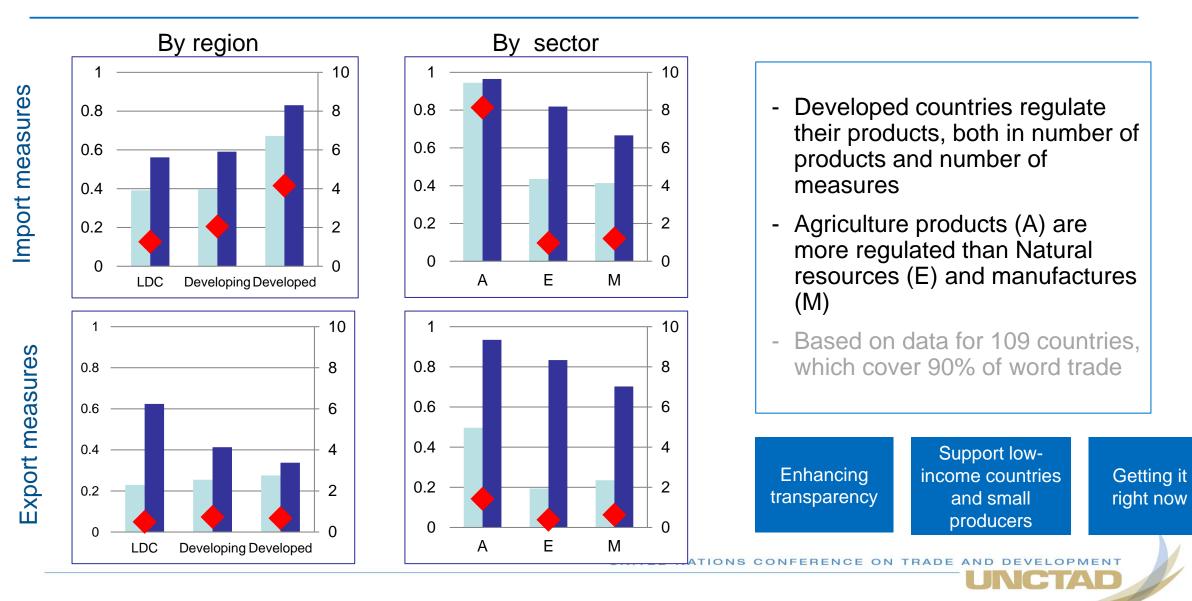
NTM use pattern, grand global average



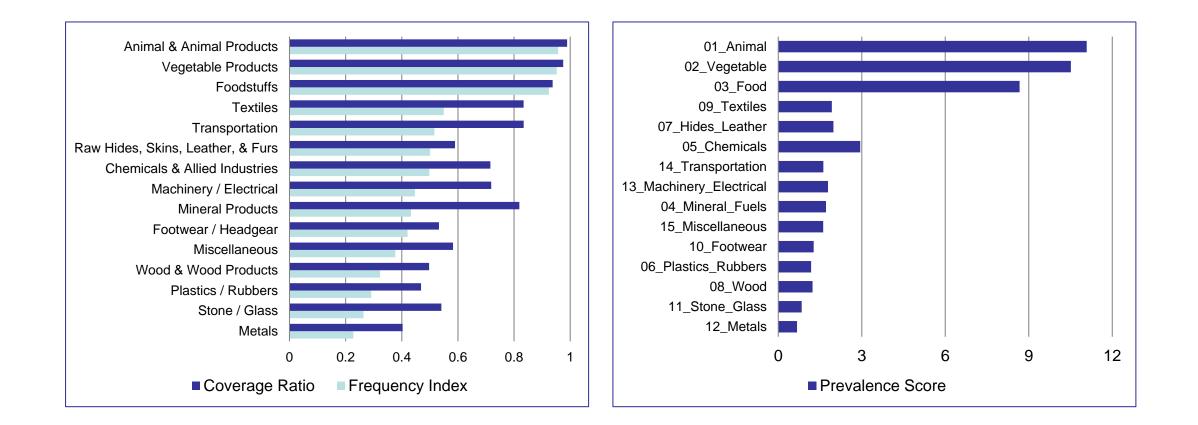
NTM use pattern

Frequency Index

- Coverage Ratio
- Prevalence Score



NTM use pattern, by sector



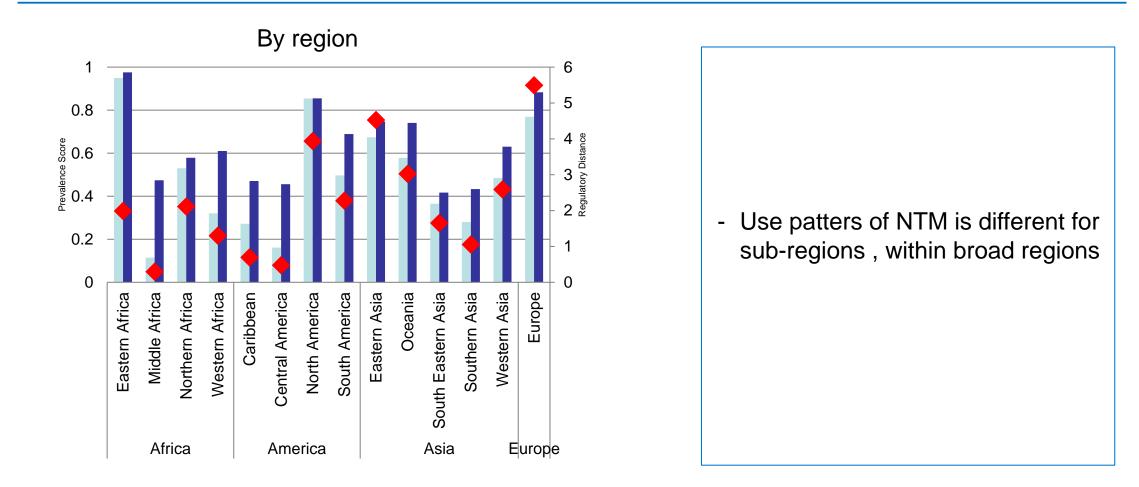
UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

CTAD

NTM use pattern (2016)

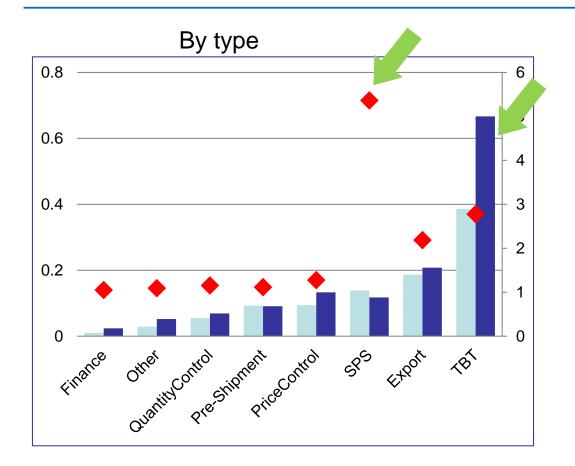
Frequency Index

- Coverage Ratio
- Prevalence Score



ICTAD

NTM use pattern, by type



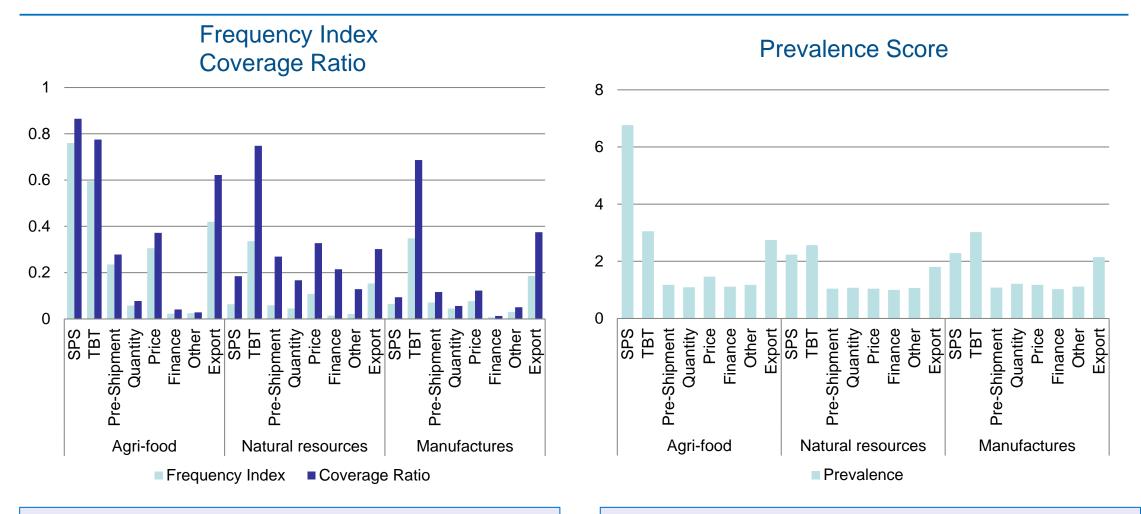
Frequency Index
Coverage Ratio
Prevalence Score

- Technical measures are more frequently used than other types
- SPS measures have the highest Prevalence Score

Regulatory reassessment at the national level is important to ensure coherent policy measures

Regulatory cooperation should be pursued at multiple levels

Key findings, by type of measure and group of products



- Agri-food products are highly regulated by SPS and TBT
- Manufactures are regulated mainly by TBT

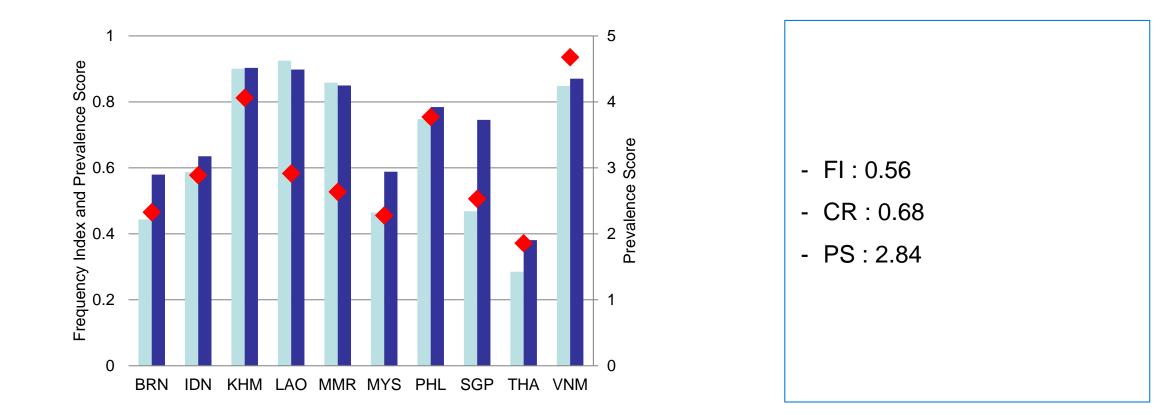
- SPS measures have the highest Prevalence Score, more than 6 measures on average on every product

NTM use pattern in ASEAN , 2018

By country, selected

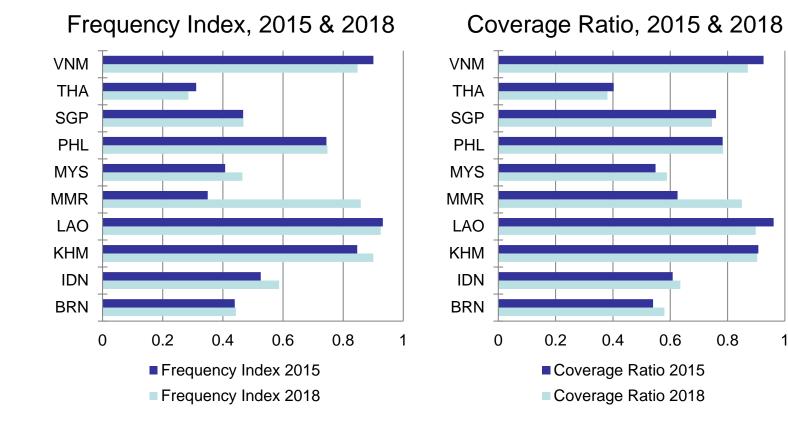
Frequency Index

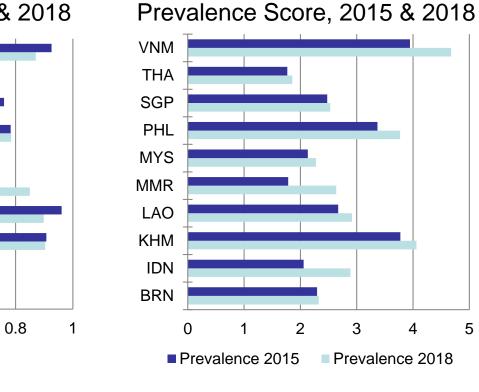
- Coverage Ratio
- Prevalence Score



Import NTMs in ASEAN , 2015 & 2018

By country, selected



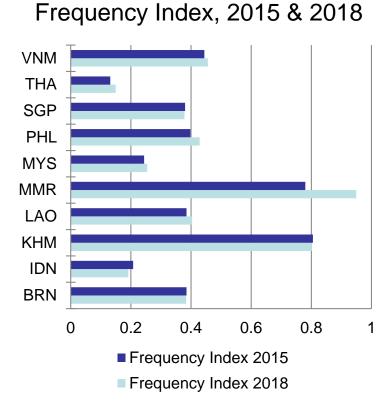


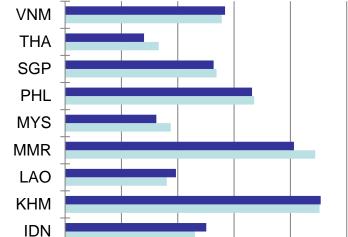
5

UNITED NATIONS CONFERENCE ON TRADE CTAD

Export NTMs in ASEAN , 2015 & 2018

By country, selected





0.4

Coverage Ratio 2015

Coverage Ratio 2018

0.6

0.8

1

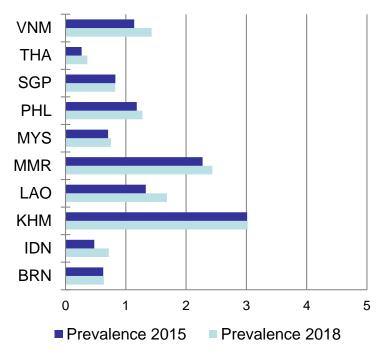
0.2

BRN

0

Coverage Ratio, 2015 & 2018

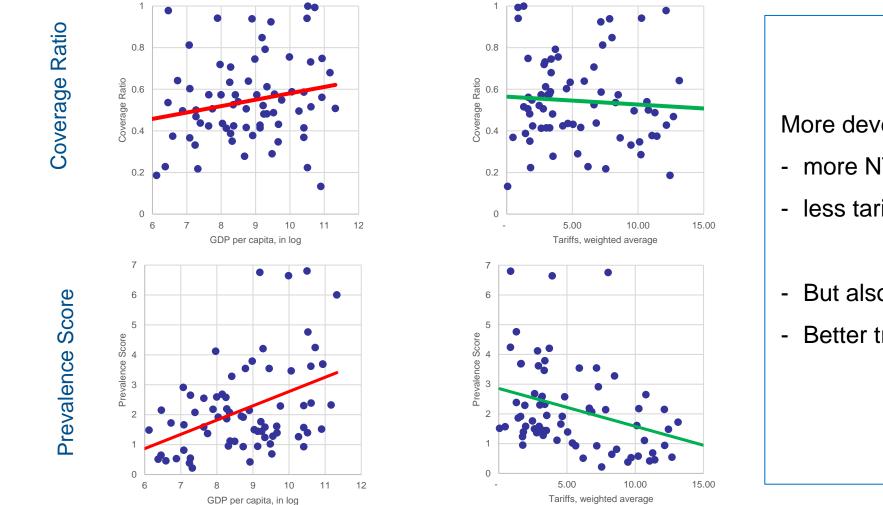
Prevalence Score, 2015 & 2018



ICTAD

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPME

NTM positively correlated to GDPpc (globally) NTM negatively correlated to average tariffs



More developed countries use :

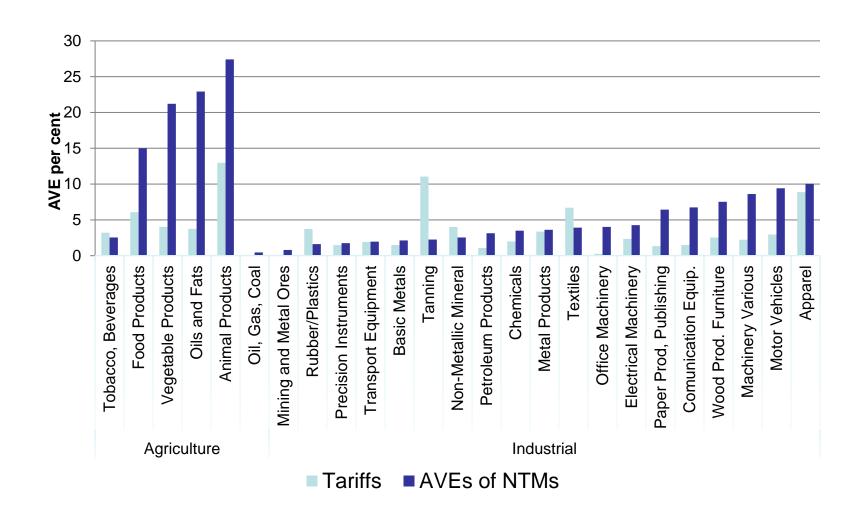
- more NTM
- less tariffs (policy substitution?)
- But also
- Better trade facilitation



GDP per capita (In)

Tariffs (weighted average)

Tariffs and NTM , by sector Ad-Valorem Equivalent (AVE)



 Tariffs are normally less costly than AVE

ON

UNITED NATIONS CONFERENCE

- AVE for agriculture are much higher
 - Those countries that are net food exporters will be more affected

FTAD

The ad-valorem equivalents (AVEs) of NTM is one way to assess its impact

The interpretation of AVEs of NTMs is similar to that of a tariff:

- AVEs represent the additional costs that the presence of NTMs has on imports
- The AVE are price effects of NTM, in %, on trade flow

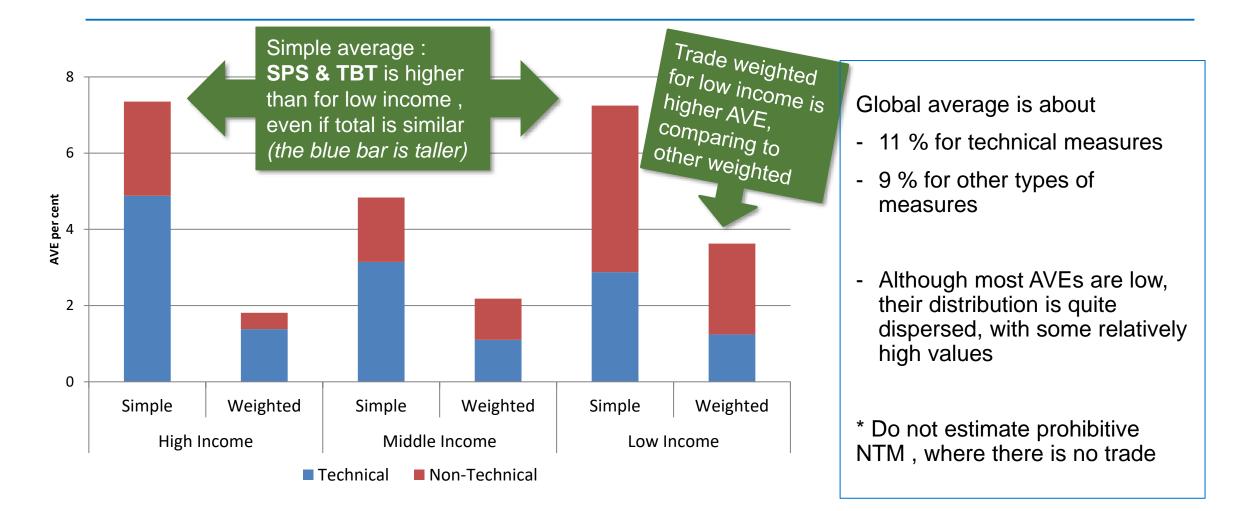
Example

 an AVE of 10% indicates that the NTM add about 10% to the price of the traded product

Estimates at HS6, and bilateral About 40 importers with data on import NTM About 200 exporters

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMEN

Kee and Nicita (2017, 2018)



UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMEN

Please open the excel file called "IDN NTM&trade.xls"

It contains information on bilateral exports and imports of Indonesia, at HS6 digit level, and also information on NTM. Specifically, how many NTM of each type for each bilateral trade relationship and HS6 product.

The file has more than 1 600 000 lines of information. This is because the number of existing products is around 5200, and countries in the world (as trade partners) are around 200. These are all combined. Data is for 2016.

ଜ ଚ							N	ITM™ BRN - Exc	el					Destin Deselle Dist	R	~ ×
File	Home Insert	Page Lavout For	mulas Data Re	view View ł		:o do								nbrAO		re
	Cut 2	.Product		≡ ≫ ≻ • e	5.'X' ar	\sim		Normal	Bad	Good	Neutral	Calculation	are th	e numbe	er of al	
Paste	Copy - Co		• <u>A</u> • = =	≣ ≣ 至 2 8	export	S 5.00	Conditional Forma	at as Check Cell	Explanatory	Input	Linked Cell	Note				
	pboard	code	12	Alignmen		r G	Formatting	e	St	yles				nport NT	IVI	^
A1	• · ×	<i>√ Jx</i> report	er													~
	А	В	С	D	Е	F	G	Н	I	J	К	L	М	N	0	P
1 r	reporter	hs6	partner	М	×	year	nbrA	nbrB	nbrC	nbrE	nbr	F nbrG	nbrP	nbrAO	nbrAC	nt
2	BRN	903180	AUT	1.357		2018	0	0	0	1		0 0	1	1	0	
3	BRN	840991	AUS	11.81857		2018	0	0	0	1		0 0	1	1	0	
4	BRN	392690	SAU	1.863	2.109667	2018	0	0	0	0		0 0	0	0	0	
5	BRN	852351	AUT	0.724		2018	0	0	ð	1		0 0	0	1	0	
6	1 Po	oorting	ESP	4 (0.4)		2018		nhr∆	nbrB nl	hrC nhr	.⊑ nhr	EnhrG	þ	0	0	
7	-	porting	AUT	4.'M' a		2018							C	0	0	
8	COL	untry	NOR	impor	ts	2018		are the	numbe	r of NI	M of e	ach type	5	5	3	
9	BRIN	81190	OAS	0.101		2018	Э	3	U	L		3 U	1	16	12	
10	BRN	400942	SWE	5.87		2018	0	0	0	0		0 0	r	nbrP	0	
11	BRN	640590	TUR	0.084		2018	0	2	0	1		1 0			2	
12	BRN	40390	GBR	1.274		2018	9	3	1	1		3 0	are th	e numbe	er 13	
13	BRN	620469	ΙΤΑ	<u>2 6</u> 31333		2018	0	0	0	0		0 0	of exp	oort NTN	0	
14	BRN	8511	3.Partne	0.261		2018	0	0	0	1		0 0	1	L	0	
15	BRN	7415.		0.004		2018	0	0	0	0		0 0	0	0	0	
16	BRN	3920	country	0.206		2018	1	0	0	0		0 0	0	1	1	
17	BRN	180631	IDN	55.944		2018	8	3	0	1		3 0	1	15	11	
18	BRN	853939	DEU	3.380333		2018	0	0	0	1		0 0	1	1	0	
19	BRN	401691	ITA	0.036		2018	0	0	0	0		0 0	0	0	0	
20	BRN	230990	AUS	903.853		2018	1	0	0	0		0 0	1	1	1	
21	BRN	820190	HKG	0.1415		2018	0	0	0	0		0 0	0	0	0	
22	BRN	910211	AUS	2.333		2018	0	3	0	1		1 0	4	5	3	
23	BRN	281121	GBR	0.192		2018	0	0	0	0		0 0	0	0	0	•
Ready	Sheet1 +)								•			Display Settings			+ 175%

🔳 🤉 🟥 🔚 🤮 🍑 🧖 🚾 💌

記 い								NTM™ MYS - Ex	cel			Ô		alaa Daaalla Dial	THE STREET	
File	Home Insert	Page Lavout Fo	rmulas Data R	Review View H	5.'X' ai	io do								nbrAO		re
*	Cut 2	.Produc	- ĂĂ =	≡ <u> </u> ≫ •				Normal	Bad	Good	Neutral Ca	Iculation	are the	numbe	r of all	
Paste	Copy - Co		• <u>A</u> • =		export	S 5	Conditional Form	hat as Check Cell	Explanatory	Input	Linked Cell No	ote		port NT		
Cli	pboard	code	rs I	Alignmen		 _	15		St	tyles					IVI	^
A4	* : X	Jx MYS											\frown			~
	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	P
1	reporter	hs6	partner	Μ	×	year	nbrA	nbrB	nbrC	nbrE	nbrF	nbrG	nbrP	nbrAO	nbrAC	nt
2	MYS	180631	VUT		2.529	2018	7	3	0	0	0	0	1	10	10	
3	MYS	71231	ARE		1.227	2018	7	3	0	0	0	0	1	10	10	
4	MYS	846291	USA	124.2763	6855	2018	0	0	0	0	0	0	0	0	0	
5	MYS	854370	LVA	7.6035	33.933	2018	0	2	0	0	0	0	0	2	2	
6	1 Re	porting	CZE	4.'M' a	aro	2018	_	nbrA	nbrB nl	hrC nhr	E nbrF	nbrG	2	0	0	
7		Ŭ	BRA			2018							1	11	11	
8		untry	JPN	impo	rts 23	2018		are the	numpe		M of eac	ch type	0	2	2	
9	IVIYS	200961		5.4515		2018	/	۷	U	U	U	U	1	9	9	
10	MYS	210111	CHN	9878.394	14343.23	2018	7	2	0	0	0	0	nl	orP	9	
11	MYS	80420	РАК	1.243		2018	8	3	0	0	1	0			11	
12	MYS	121120	HKG	2363.589	276.379	2018	7	2	0	1	1	0		numbe	5	
13	MYS	210320	IRN		2.029	2018	8	3	0	0	0	0	of exp	ort NTM	11	
14	MYS	8425	3.Partne	er ^{8.0943}	16.8585	2018	0	0	0	0	0	0	U	U	0	
15	MYS	84191		0.7493	314.9867	2018	0	2	0	1	1	0	2	4	2	
16	MYS	9027:	country		1.872	2018	0	3	0	1	1	0	0	5	3	
17	MYS	190410	USA	2039.337	309.824	2018	7	2	0	0	0	0	1	9	9	
18	MYS	940410	ARE		4.932	2018	0	0	0	0	0	0	1	0	0	
19	MYS	950629	IDN	14.461	197.2847	2018	0	0	0	0	1	0	0	1	0	
20	MYS	151190	BRN		6430.11	2018	8	5	0	1	1	0	6	15	13	
21	MYS	843110	IDN	368.7957	223.619	2018	0	0	0	0	0	0	0	0	0	
22	MYS	280469	IND		6.336	2018	0	0	0	1	0	0	0	1	0	
23	MYS	960990	IDN	2.518667	26.497	2018	0	0	0	0	0	0	0	0	0	
4	Sheet1	2								: •			Bisplay Settings			+ 175%

📑 🔎 🛱 🧮 🤤 🍑 🥥 🚾 💶 👰 💵 🔩

Exercise. Frequency Index, Coverage Ratio, Prevalence Score

Notes

 To compute Indicators on chapters
 A B C D E F G H, you need to review imports Questions

- 1. Frequency Index
- a. How many products Vietnam imports ?
- b. How many of those have an NTM?
- FI = a /b

2. Coverage Ratio

- c. How much does Vietnam import ? (add up the value)
- d. How much of those imports have an NTM? (add up the value only counting the lines that have NTM)

• CR = c/d

- 3. Prevalence Score
- Calculate the average of column Column O, "nbrAO"
- Include all products that are imported, including those with zero values, but not those that are not imparted (zero import value)
- This is the PS

1. Frequency Index - BRN

- a) How many products does your country import?
 - **Suggestion**. Sort by Imports, descending order
 - Then count how many lines there are with positive value of imports. Keep this number as (a)

- b) How many of those have an NTM?
 - Suggestion. Now restrict the rest of the analysis using only the traded lines (those lines for which there are imports. Some values with NTM will be discarded)
 - Sort again using the variable 'nbrAO', and count how many lines there are with positive value of import NTM. Keep this number as (b)

c) FI = b/a





UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

1. Frequency Index - MYS

- a) How many products does your country import?
 - **Suggestion**. Sort by Imports, descending order
 - Then count how many lines there are with positive value of imports. Keep this number as (a)

- b) How many of those have an NTM?
 - Suggestion. Now restrict the rest of the analysis using only the traded lines (those lines for which there are imports. Some values with NTM will be discarded)
 - Sort again using the variable 'nbrAO', and count how many lines there are with positive value of import NTM. Keep this number as (b)

c) FI = b/a





UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

2. Coverage Ratio - BRN

- a) How much does your country import ? (import value)
 - **Suggestion**. Sum up all imports column. Keep this number as (a)

- b) How much imported value has to comply with NTMs?
 - Suggestion. Restrict the analysis using only the traded lines (those lines for which there are imports)
 - Create a new column where you will copy the value of imports, but only for those lines with positive value of 'nbrAO'
 - Sum up this new column (sub-set of imports column). Keep this number as (b)

c) CR = b/a



2. Coverage Ratio - MYS

- a) How much does your country import ? (import value)
 - **Suggestion**. Sum up all imports column. Keep this number as (a)

- b) How much imported value has to comply with NTMs?
 - Suggestion. Restrict the analysis using only the traded lines (those lines for which there are imports)
 - Create a new column where you will copy the value of imports, but only for those lines with positive value of 'nbrAO'
 - Sum up this new column (sub-set of imports column). Keep this number as (b)



3. Prevalence Score - BRN

- a) Spot again the variable 'nbrAO', and compute an average of these values, including zeroes
 - Attention. Keep the lines with trade value only, and use <u>all of them in the</u> average formula, including the ones with no NTM (zero value). Keep this number as (a)



- a) Spot again the variable 'nbrAO', and compute an average of these values, including zeroes
 - Attention. Keep the lines with trade value only, and use <u>all of them in the</u> average formula, including the ones with no NTM (zero value). Keep this number as (a)



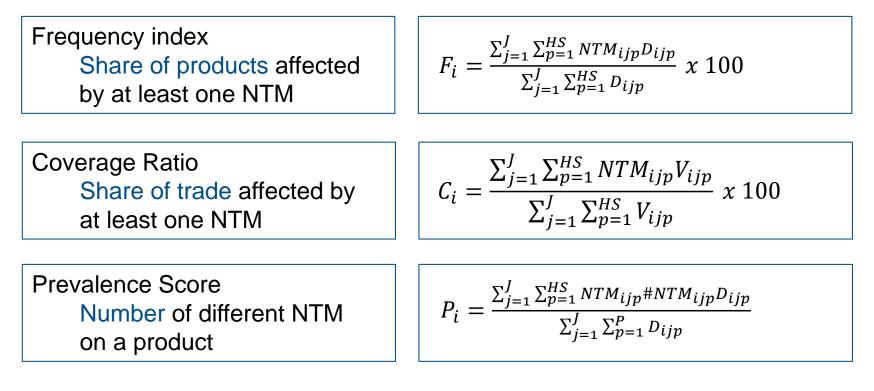
THANK YOU

PROSPERITY FOR ALL

www.unctad.org

unctad.org/ntm





p, products in HS6j, partner countryi, imposing country

NTM_ijp,dummy for presence of NTMD_ijp,dummy for product being tradedV_ijp,value of trade



Regulatory Intensity Standardized Number of different NTM on a product

$$RI_{i} = \sum_{p=1}^{HS} s_{p}^{w} \frac{\sum_{j=1}^{J} D_{ijp} \left(\#NTM_{ijp} - \overline{\#NTM_{p}}\right)}{\sigma \#NTM_{p}}$$

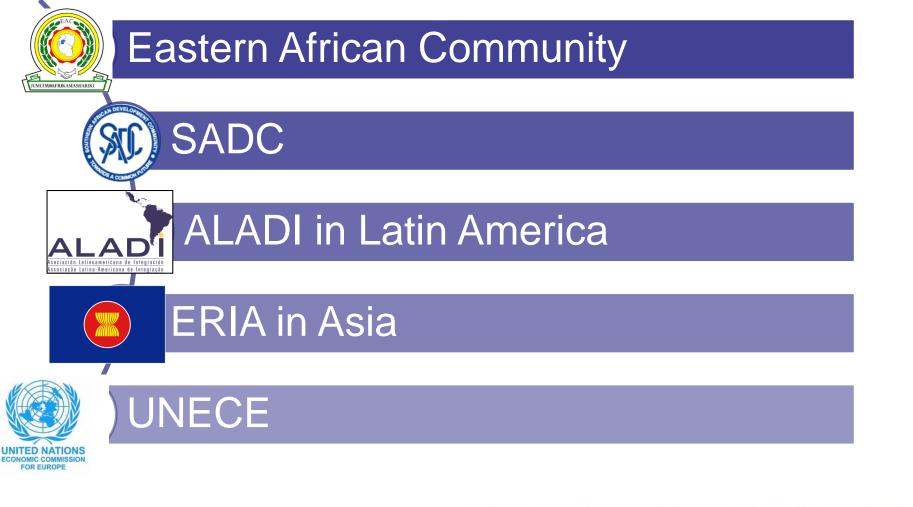
p, products in HS6j, partner countryi, imposing country

NTM_ijp,dummy for presence of NTMD_ijp,dummy for product being tradedV_ijp,value of trade



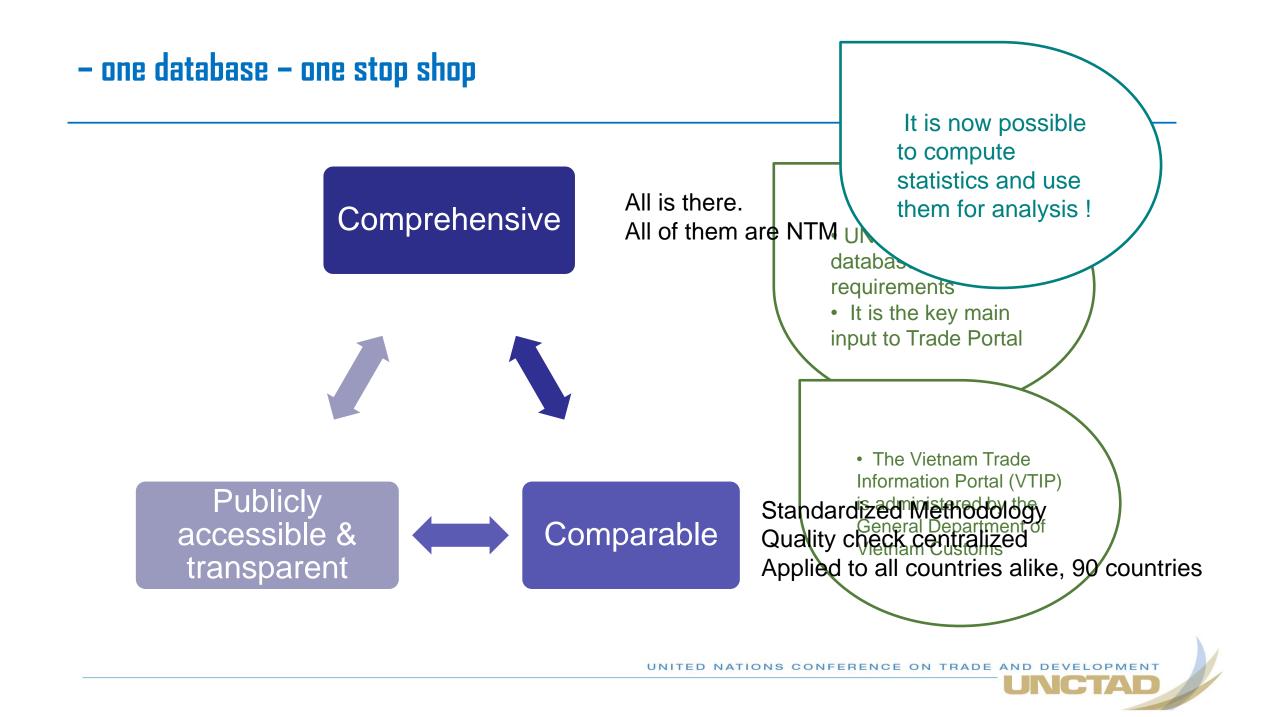
Partners

Various donors also support our work



UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

CTAD



Apples and pears from Brazil



NCTAD

• To the European Union

Country imposing	Partner affected	Requirements	Measures
European Union	All Members	Sanitary and Phytosanitary	25 (18)
European Union	All Members	Technical Barriers to Trade	7 (5)
European Union	All Members	Quantity control measures	1 (1)
European Union	All Members	Other measures	1 (1)

• To Thailand

Country imposing	Partner affected	Requirements	Measures
Thailand	All Members	Sanitary and Phytosanitary	17 (10)
Thailand	All Members	Technical Barriers to Trade	3 (3)
Thailand	All Members	Price control measures	1 (1)
Thailand	All Members	Export-related measures	1



	Example 1	Examp	le 2
Document_Title	Biosecurity Act 2015	Biosecurit	y Act 2015
NTM_Code	A31	A63	
Implementation_Date	2016-12-22	2016-12-22	
Measure_Description	 15 Alternative conditions—meat and meat products (2) For paragraph 11(1)(b), the following table specifies alternative conditions for bringing or importing meat and meat products into Australian territory. (a) the goods: (i) were produced from animals in New Zealand; and (ii) are clearly labelled on the outermost of the largest packaged unit with the date of processing, the name and address of the place of production, and "Product of New Zealand"; () 	(2) alternative of into Australi (a) the good (i) have bee (ii) were ma	-
Measure_Reference	Section 15, Item 2	Section 16,	Item 1
Affected_Products_Descr	Meat or meat products from New Zealand, other	Dairy prod	ucts, other than:
iption	than:	(a) infant fo	ormula; or
	(a) pork; or	(b) dairy pi	roducts intended for use as stockfeed
	(b) avian meat	\A/ a #let	
Affected_Regions	New Zealand	World	
Measure_Objectives	(1) This instrument provides that specified classes of goods must not be brought or imported into Australian territory unless specified conditions are complied with.	not be brou	trument provides that specified classes of goods must ght or imported into Australian territory unless specified are complied with.
Measure_also_domestic	No	No	This web site offers a centralized source for regulation in Australia https://www.legislation.gov.au/