- 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

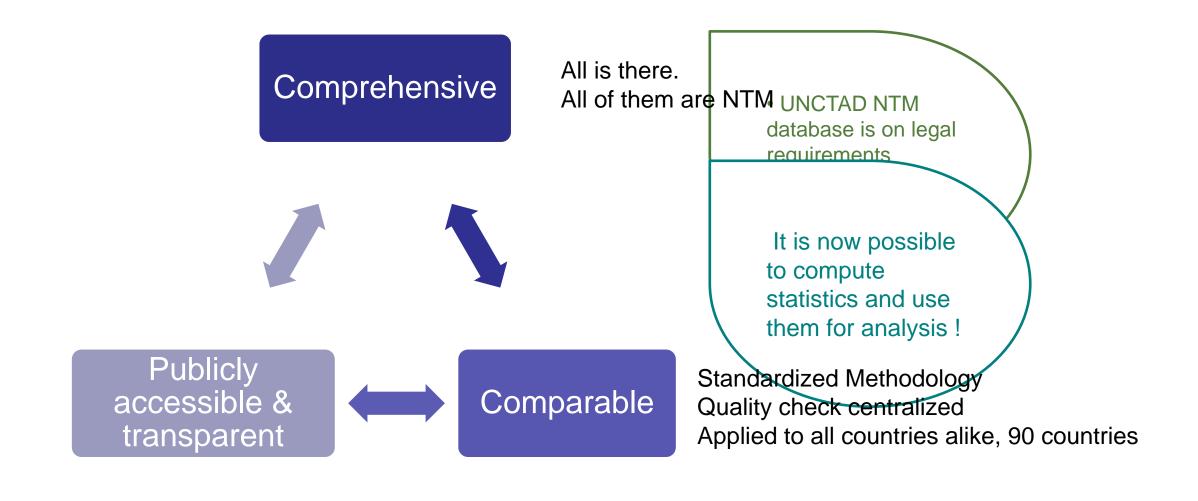
- 2. Excel summary indicators
- $\rightarrow$  For researchers
- $\rightarrow$  Statistically 'clean' data

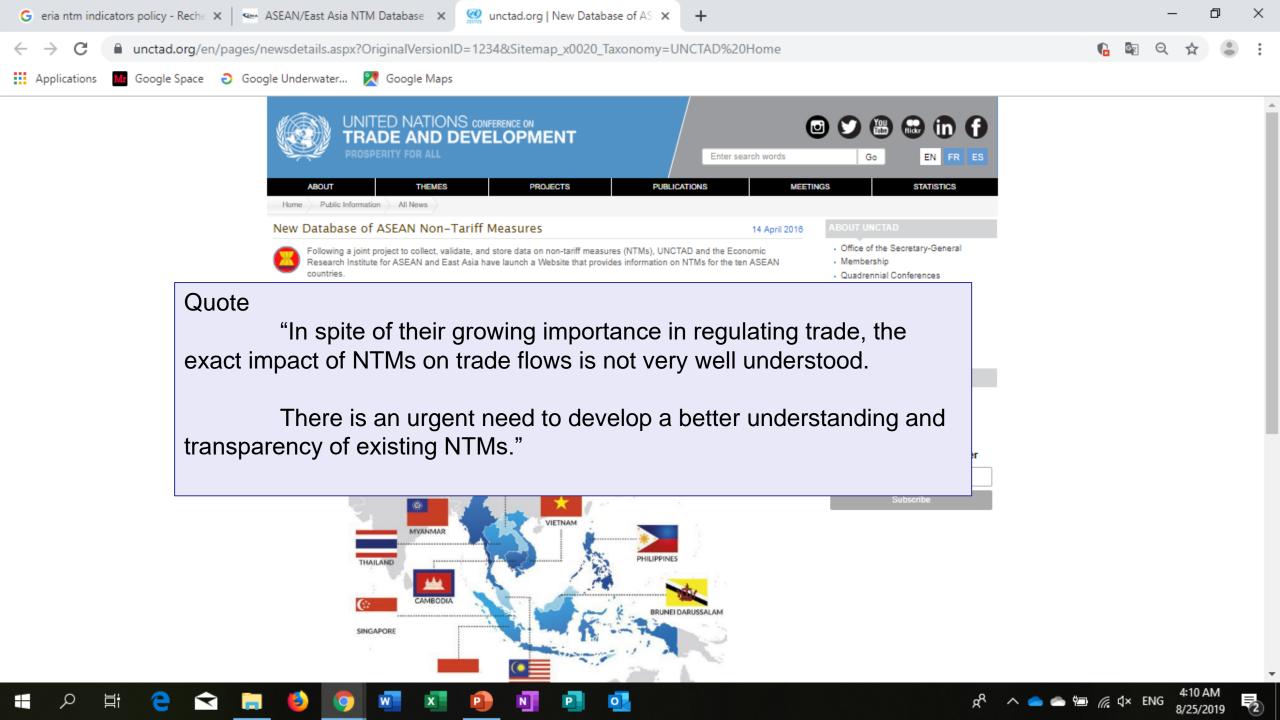


- World Bank WITS wits.worldbank.org
- $\rightarrow$  For researchers
  - → Statistically 'clean' data

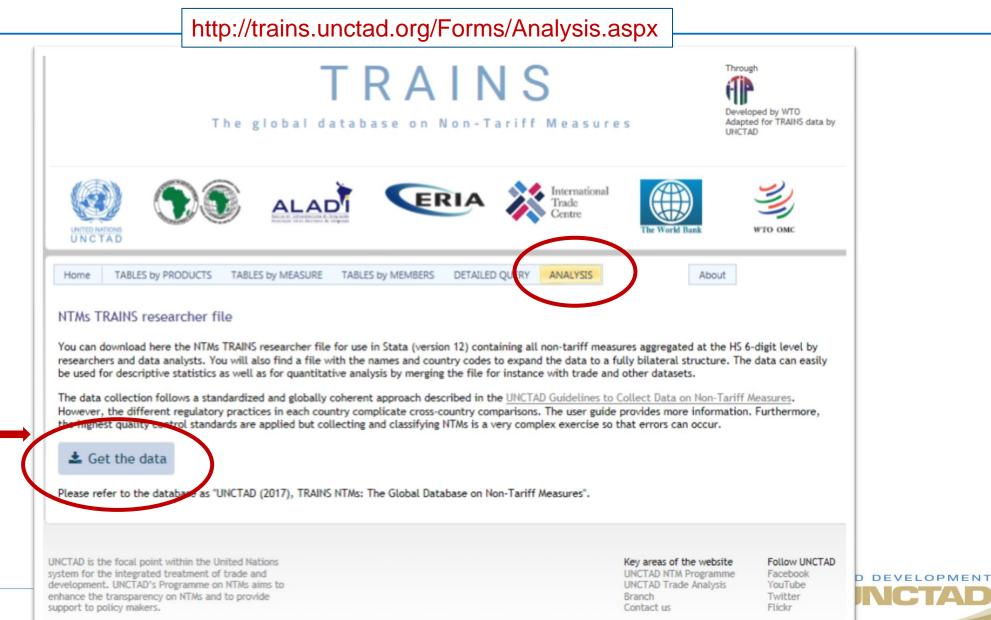
UNITED NATIONS CONFERENCE ON

- 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- <b>2</b> |                         |                       |                          | UNCATD_TRA               | NINS_NTM    | IS_indicators | [Protected | View] - Exc | el  |   |   | Denise Pen | ello Rial 🛛 📔 | <b>F</b> |   | 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%        |

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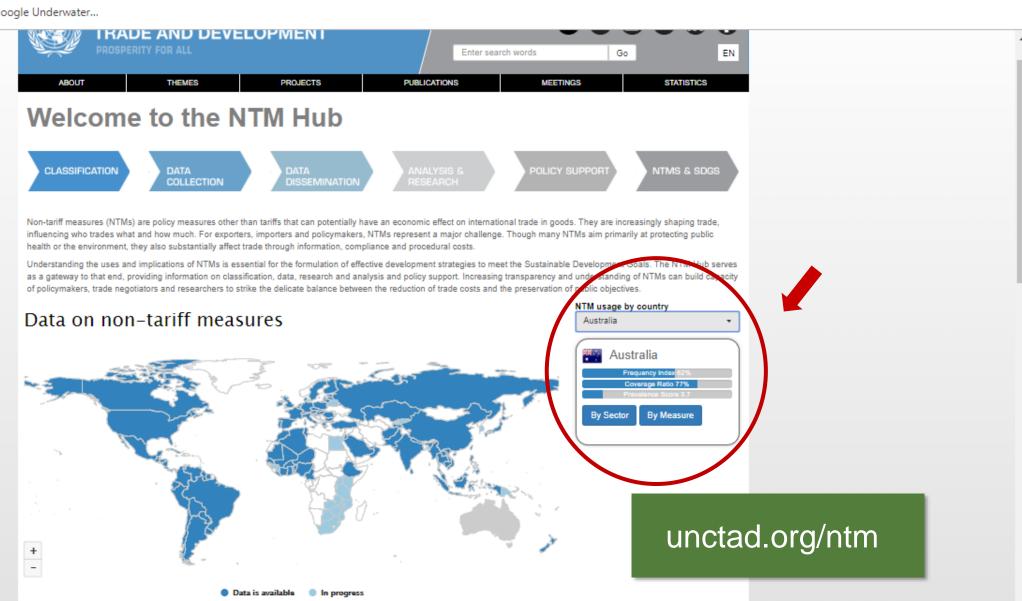
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#### C Attps://unctad.org/en/Pages/DITC/Trade-Analysis/Non-Tariff-Measures.aspx

👖 Applications 🛛 Google Space 🛛 Google Underwater...



5/7/2018



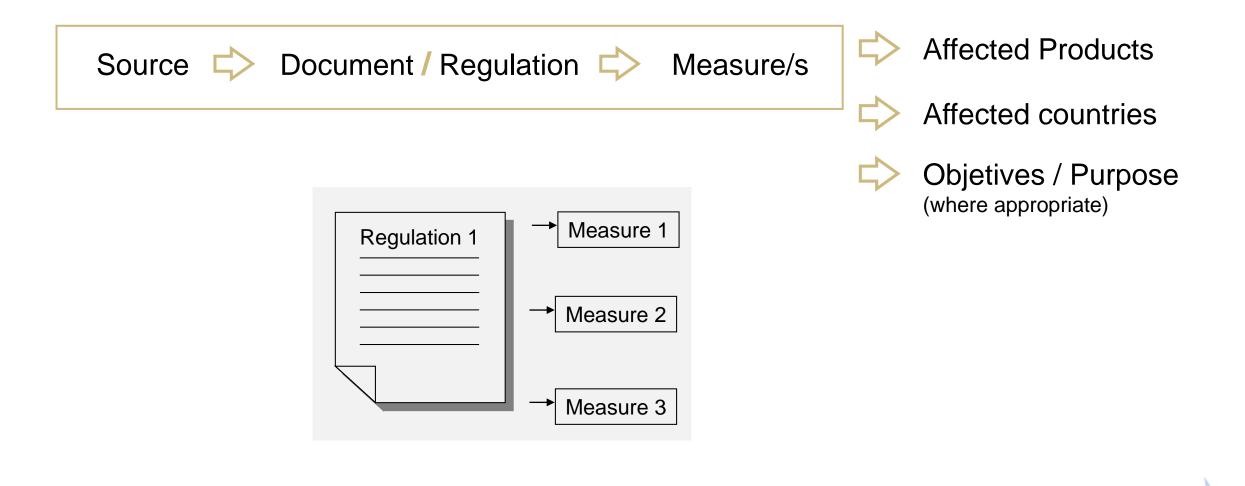
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## Data collection starts from reading the regulation ... to extract the measures



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

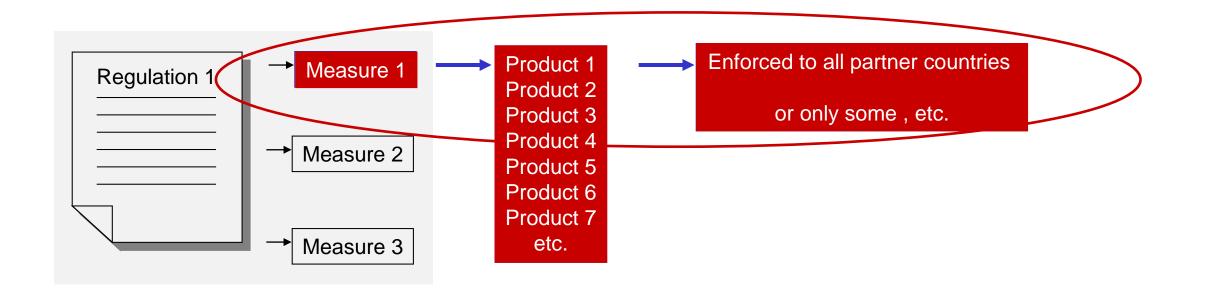
One measure is :

✓ 'horizontal' when it affects
 ALL products simultaneously

# Examples of horizontals

|   | <b>C</b> O   | Philippines   |       | Vietnam   |
|---|--|---|-------|---|
| NTM code:   | <b>C</b> 9   |   |       | NTM code: H9  |
| 33-2014 and Bui<br>2014, all importe<br>accreditation with<br>Importer or Brok<br>securing these, i | 3 In compliance with D<br>reau of Internal Revenue<br>ers and Customs brokers and<br>h the BIR for the issuance<br>er Clearance Certificate (<br>mporters and Customs brokers and<br>ccreditation with the BOC | shall first apply for<br>e of their respective<br>ICC or BCC). Upon<br>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<br>registration of trading rights for<br>foreign traders with no<br>commercial presence in<br>Vietnam             |
| Source:<br>registration of im<br>to DOF Departm   |  | Revised guidelines for kers with the BOC pursuant   |       | <b>Legal text:</b> Regulation<br>which instruct registration of<br>trading rights for foreign   |
| Legal text:<br>and Customs bro<br>Order 33-2014   | Revised guidelines for<br>okers with the BOC pursu   | registration of importers<br>ant to DOF Department  |       | trading rights for foreign<br>traders with no commercial<br>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

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

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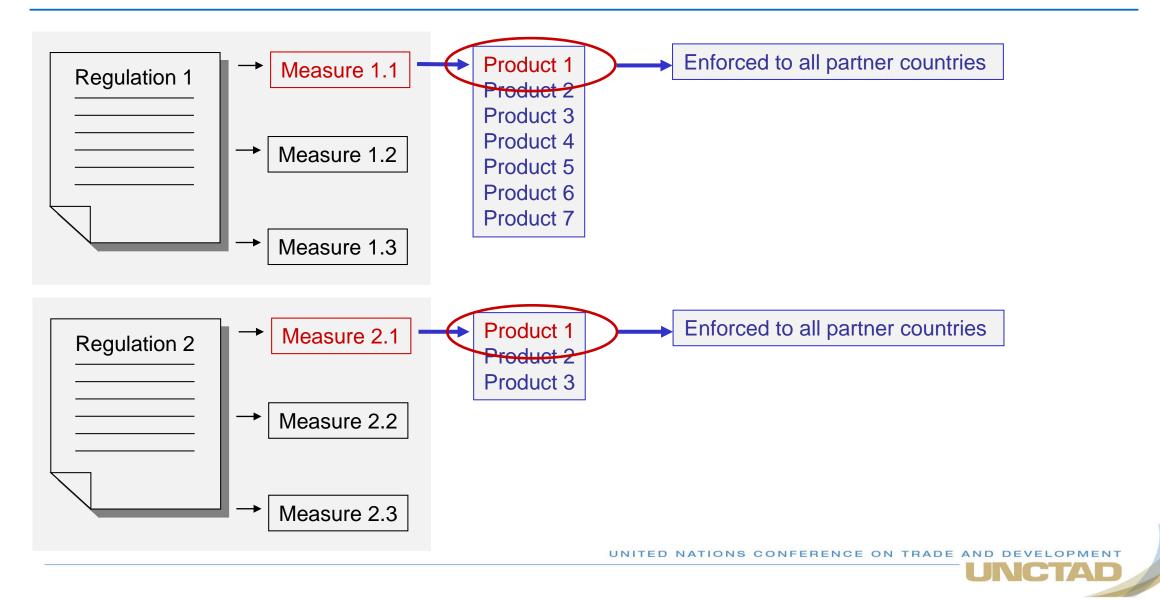
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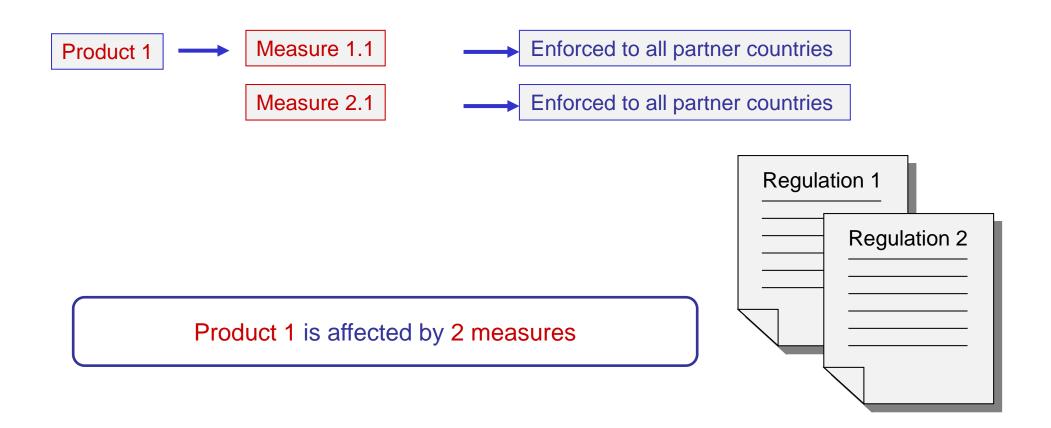
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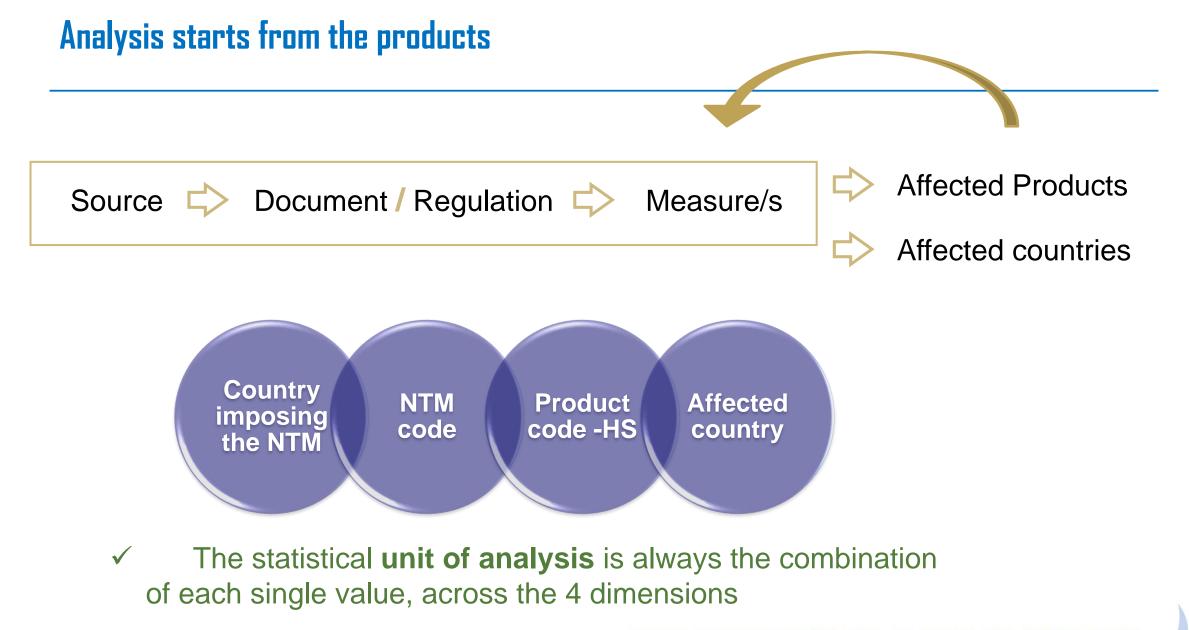
| Sear | rch result    |                                      |                  |             |                       |             |            |             |             |             |            |       |
|------|---------------|--------------------------------------|------------------|-------------|-----------------------|-------------|------------|-------------|-------------|-------------|------------|-------|
| 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





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Country<br/>imposing<br/>the NTMNTM<br/>codeProduct<br/>code -HSAffected<br/>country

| Imposing<br>country | Affected partner | Affected<br>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<br>country | Affected partner | Affected<br>product | Is there an NTM? | NTM code | Trade<br>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<br/>imposing<br/>the NTMNTM<br/>codeProduct<br/>code -HSAffected<br/>country

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

Country<br/>imposing<br/>the NTMNTM<br/>codeProduct<br/>code -HSAffected<br/>country

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

Country imposing the NTM Code Product code -HS

Affected country

| Imposing<br>country | Affected partner | Affected<br>product | Is there an NTM?   | NTM code        | Trade<br>Value \$ | How many<br>diff NTM? |
|---------------------|------------------|---------------------|--------------------|-----------------|-------------------|-----------------------|
| A                   | В                | 1                   | Yes                | A110 &<br>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<br>(average)      |
|                     |                  |                     | 0.75               |                 | 0.50              | 0.8                   |
|                     |                  |                     | Frequency<br>Index |                 | Coverage<br>Ratio | Prevalence<br>Score   |
|                     |                  |                     | From 0 to 1        |                 | From 0 to 1       |                       |
| 2                   |                  |                     | UN                 | ITED NATIONS CO | NFERENCE ON TRA   |                       |

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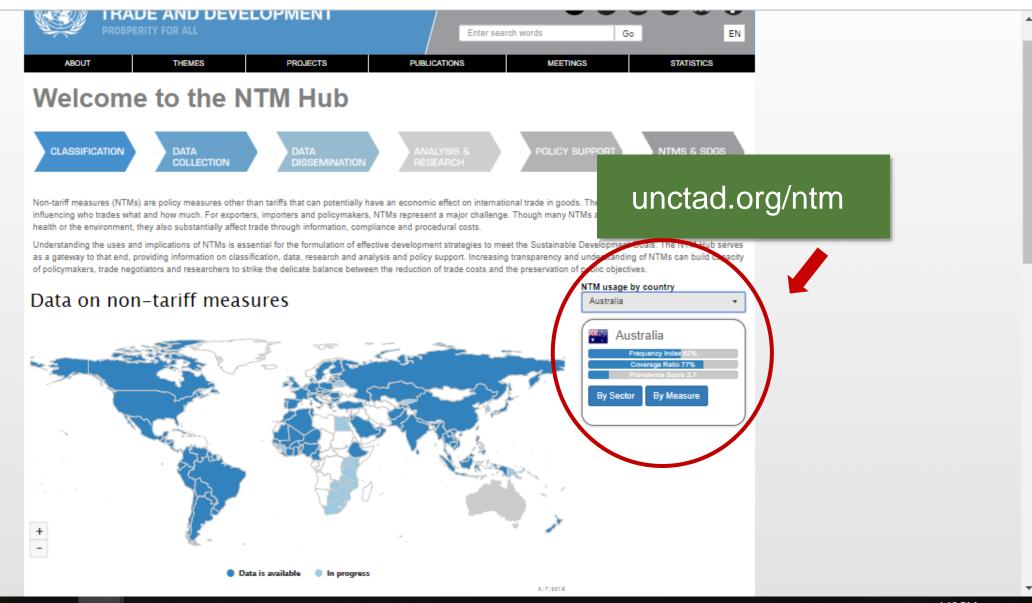
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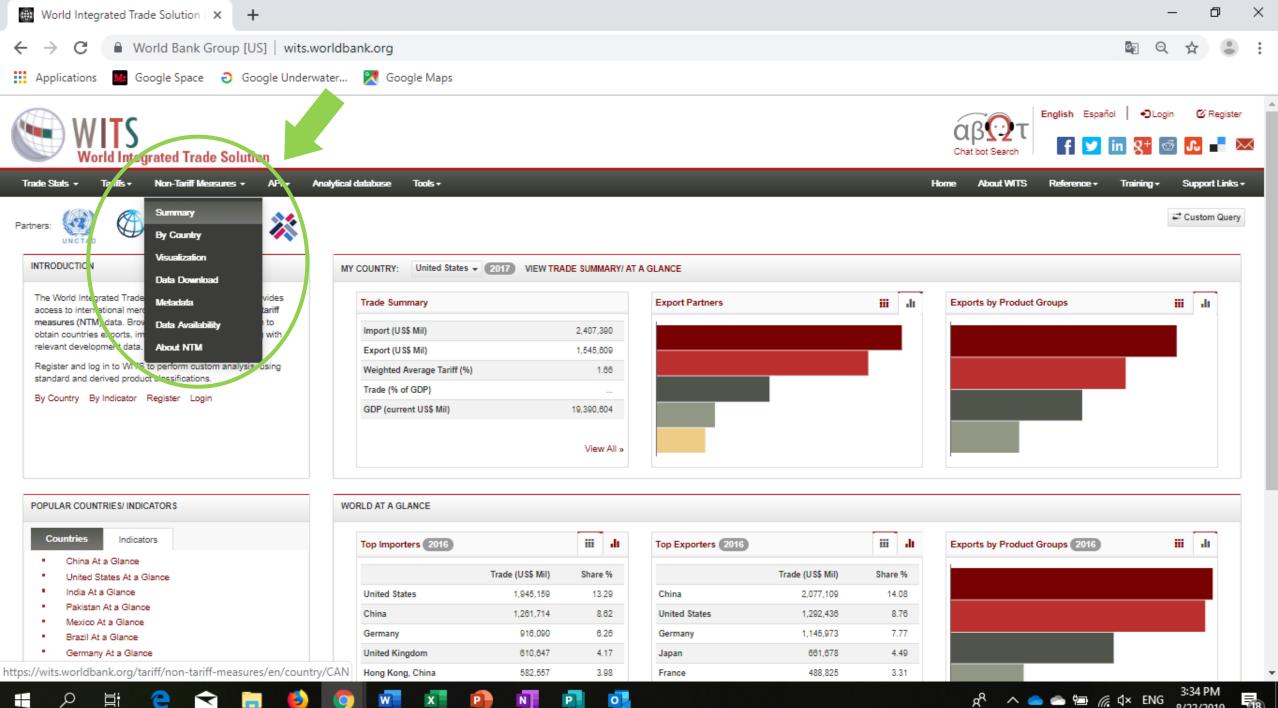
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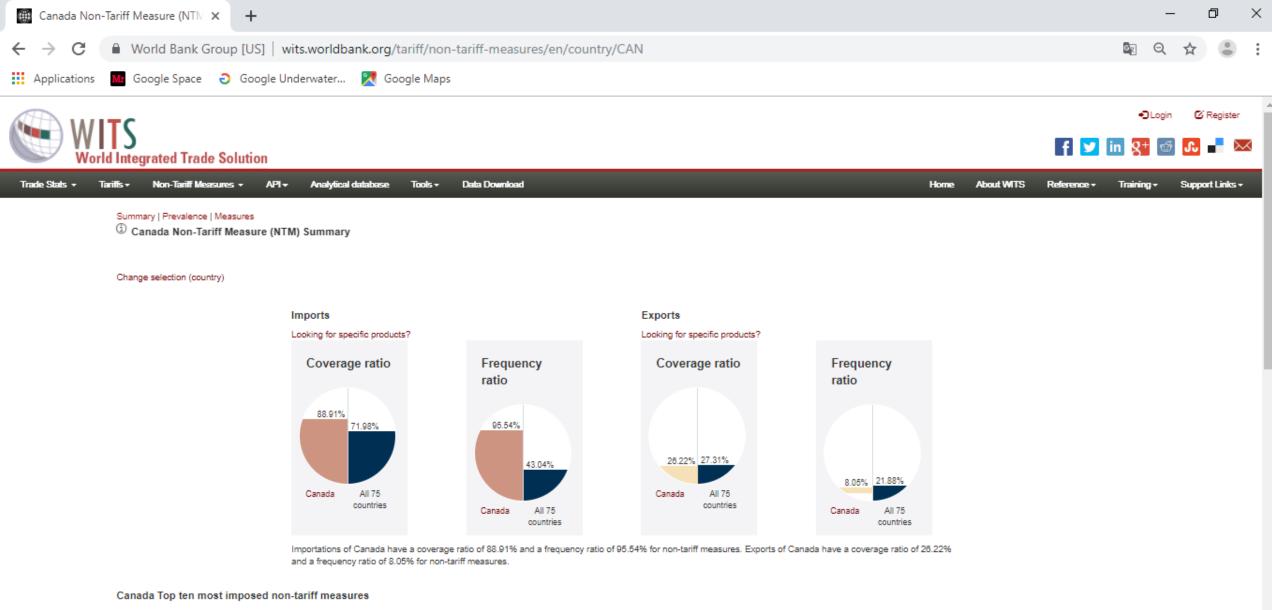
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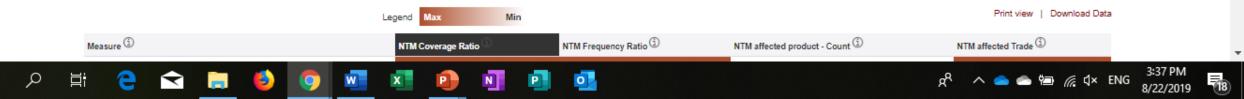
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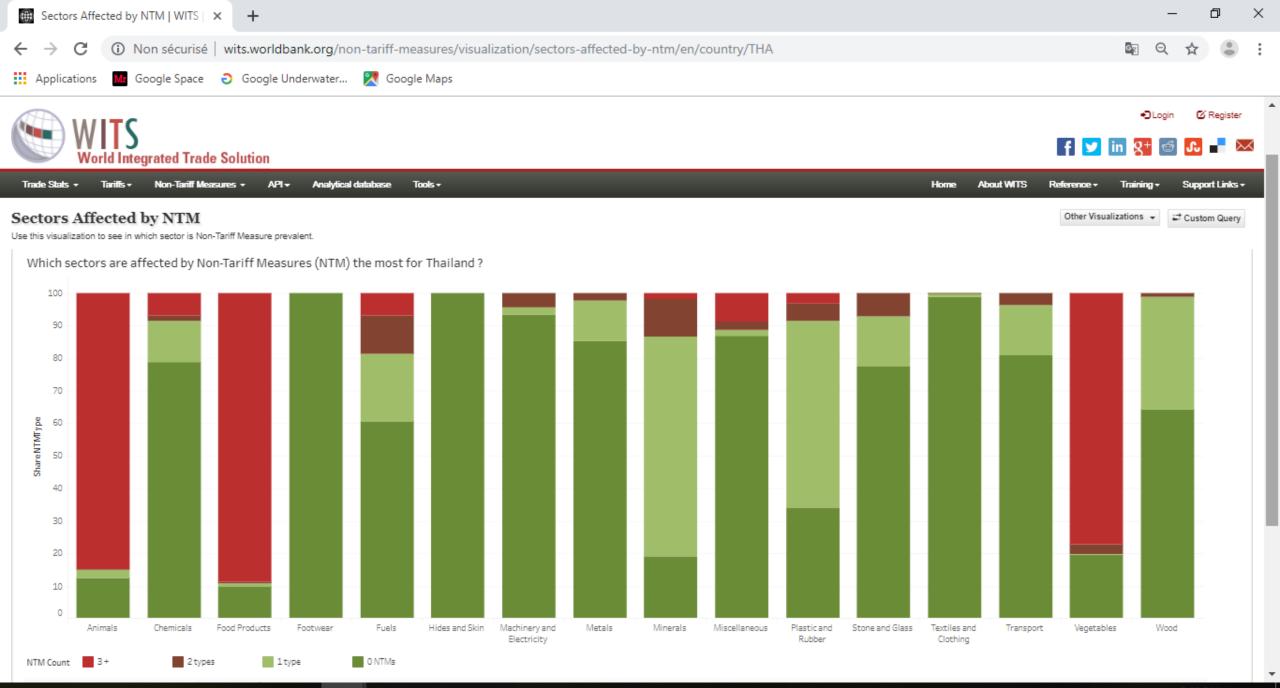
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NTM Frequency and Coverage ratio, total imports, NTM Affected Product count NTM affected Trade (sorted by coverage ratio)

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| 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<br>https://elgoog.im/unde   |                            |                     |                            |                            |                    |                        |                                   |                           | <ul> <li>Login</li> </ul> | 🕑 Regi      | ister  |
| World Int                             | tegrated Trade So         | lution  |                            |                     |                            |                            |                    |                        |                                   | f 🗾 in                    | <mark>8+</mark> 🚭         | ;<br>J 🖸 📲  | $\sim$ |
| Trade Stats + Tariffs +               | Non-Tariff Measures       | - API- Analytical da  | ntabase Tools <del>-</del> |                     |                            |                            |                    |                        | 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                  |                                   |                           |                           |             |        |

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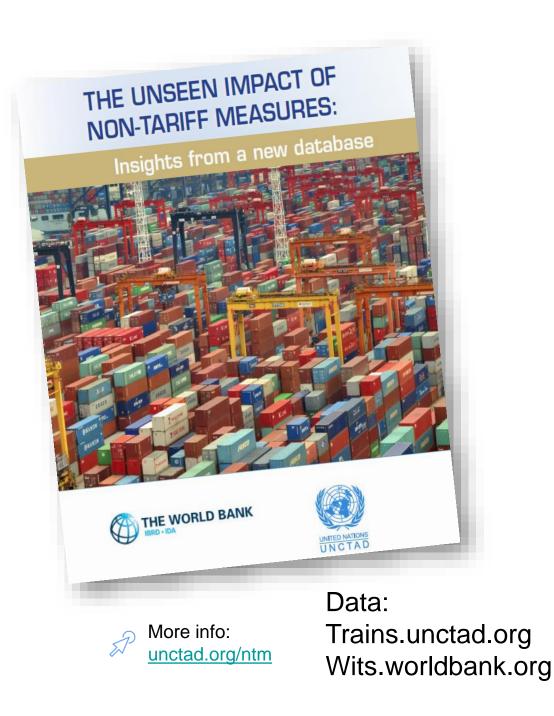
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# Key findings:

- 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

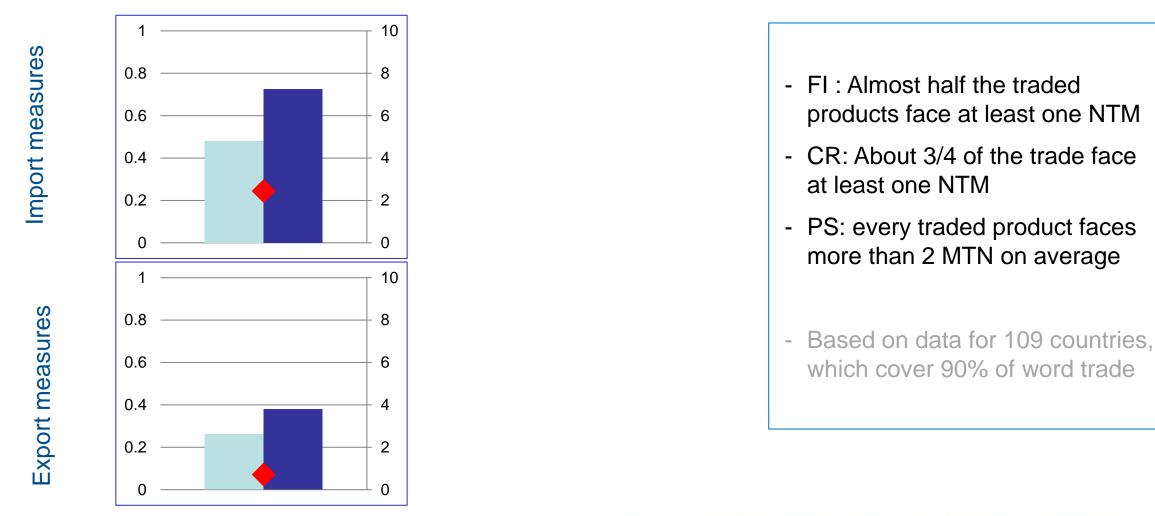
share of imports than developing countries

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



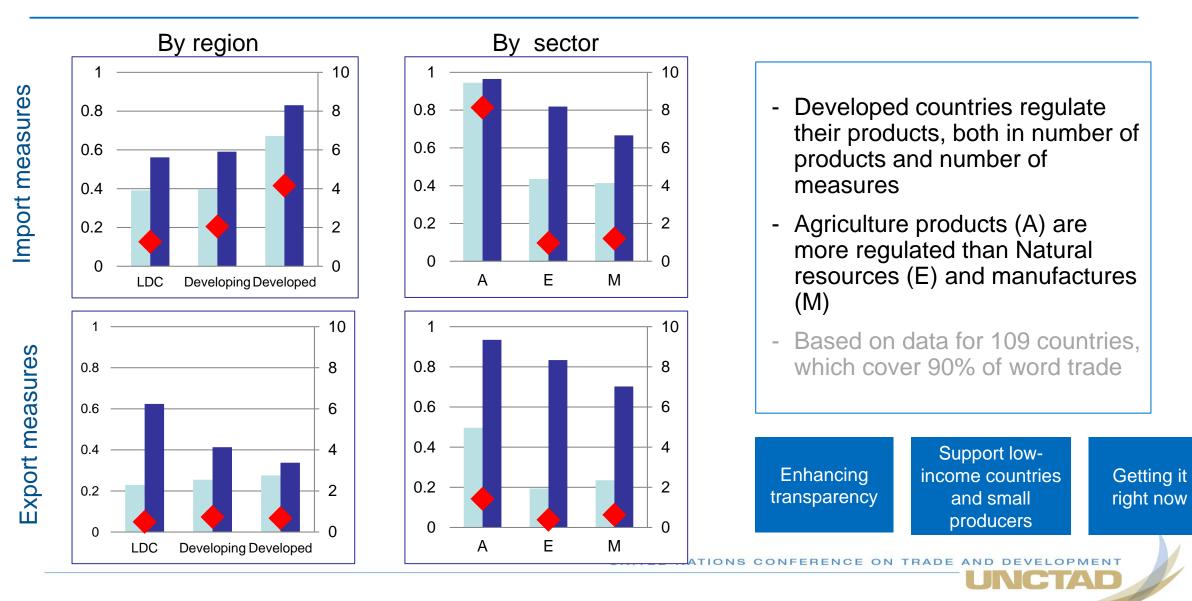
# NTM use pattern, grand global average



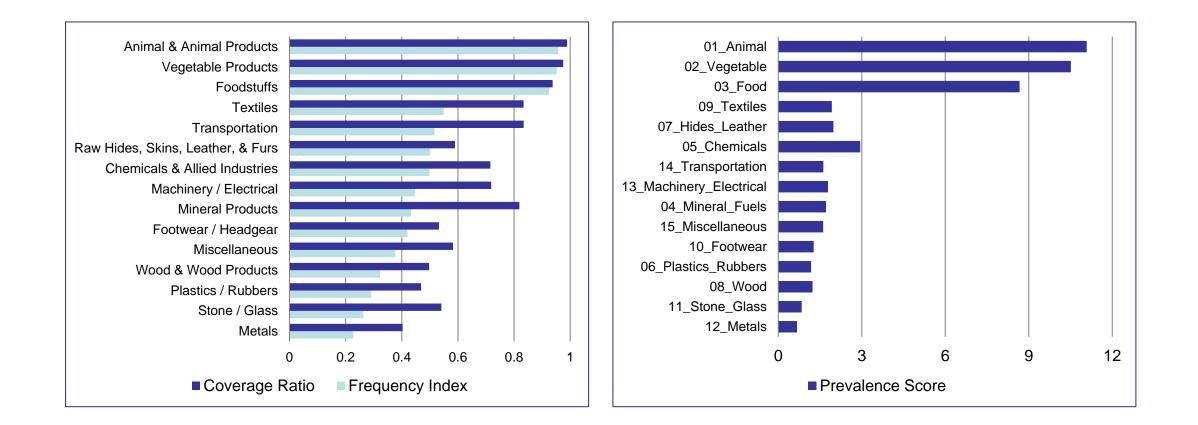
# NTM use pattern

Frequency Index

- Coverage Ratio
- Prevalence Score



# NTM use pattern, by sector



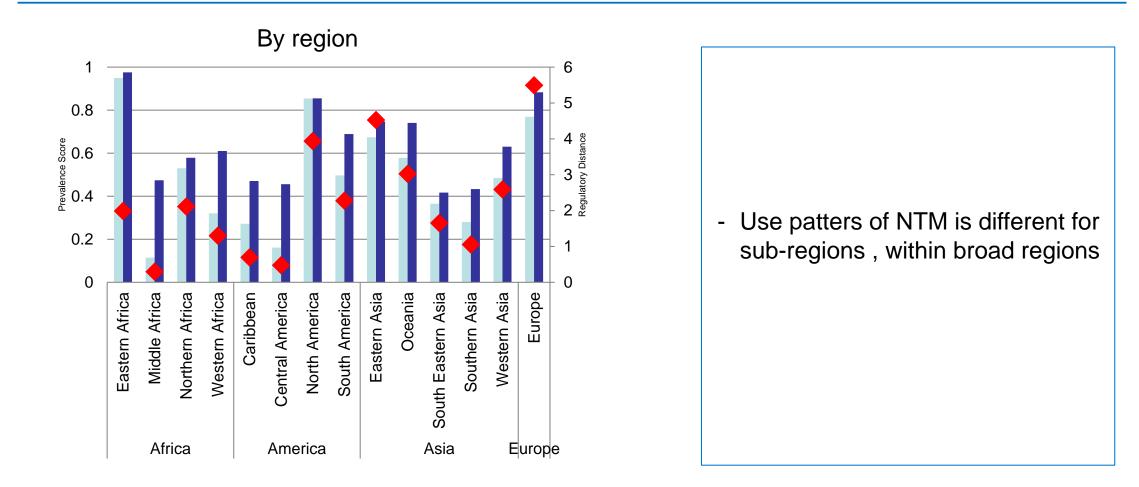
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# NTM use pattern (2016)

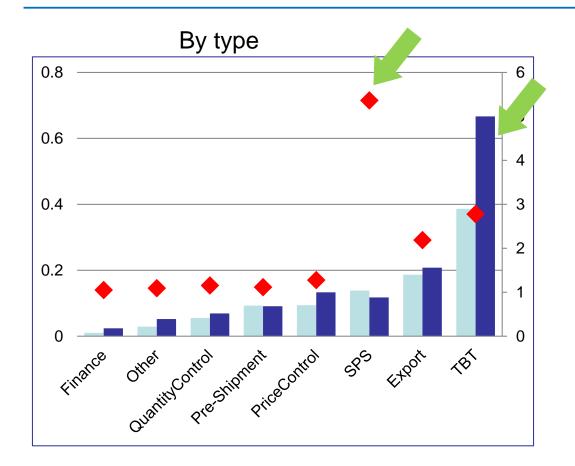
Frequency Index

- Coverage Ratio
- Prevalence Score



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# NTM use pattern, by type



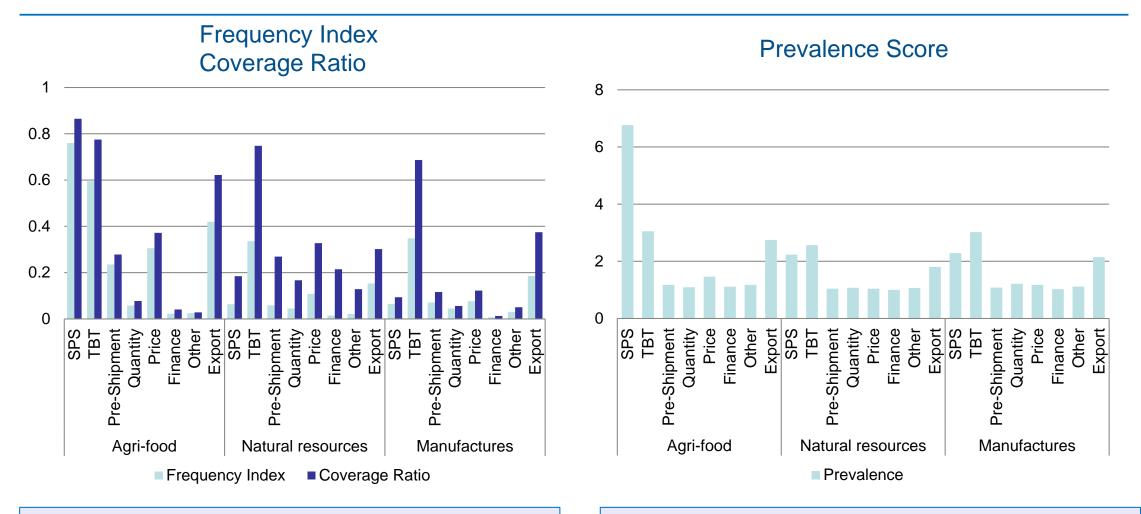
Frequency Index
Coverage Ratio
Prevalence Score

- 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

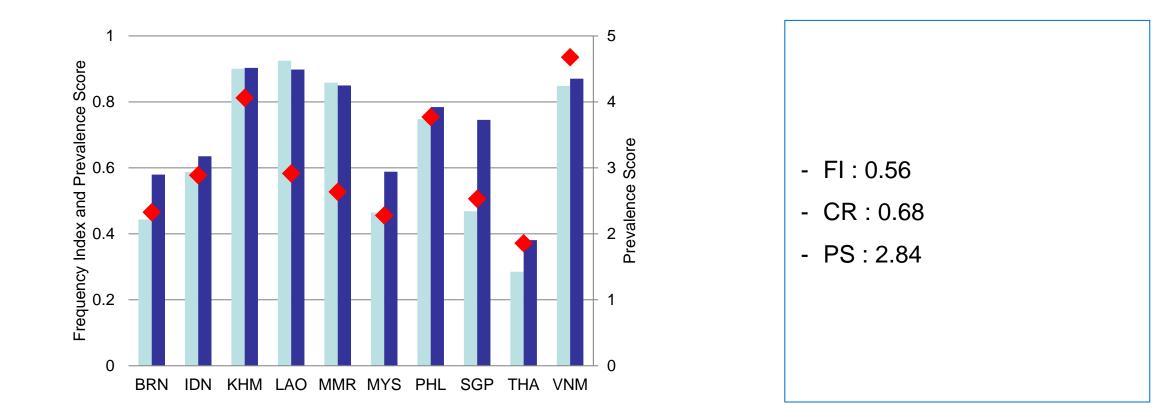
- SPS measures have the highest Prevalence Score, more than 6 measures on average on every product

# NTM use pattern in ASEAN , 2018

By country, selected

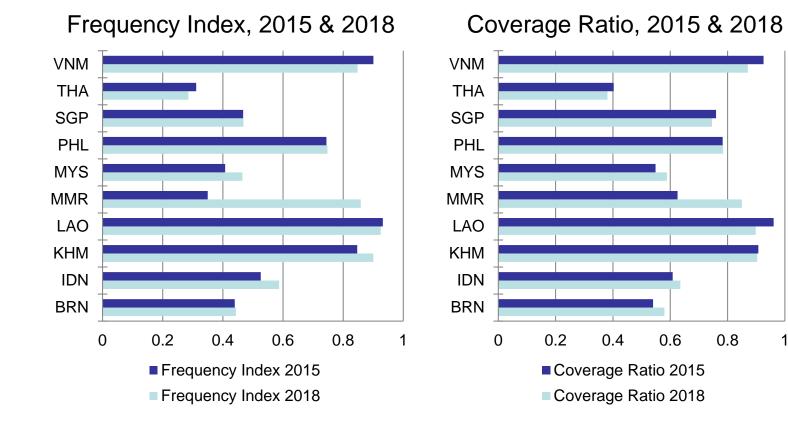
Frequency Index

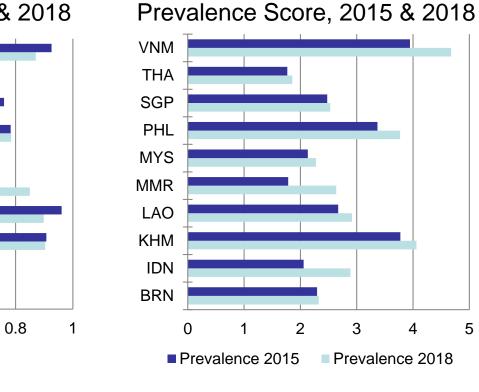
- Coverage Ratio
- Prevalence Score



## Import NTMs in ASEAN , 2015 & 2018

By country, selected



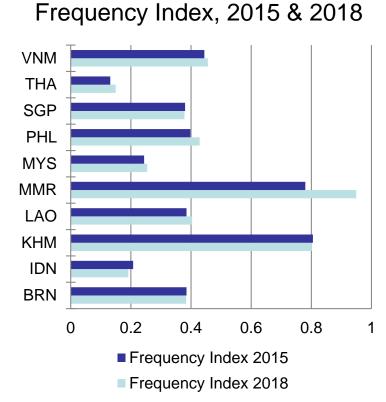


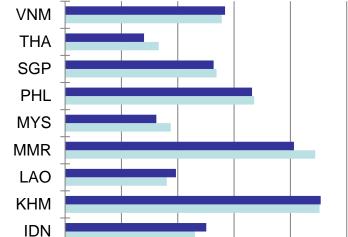
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## Export NTMs in ASEAN , 2015 & 2018

By country, selected





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Coverage Ratio 2015

Coverage Ratio 2018

0.6

0.8

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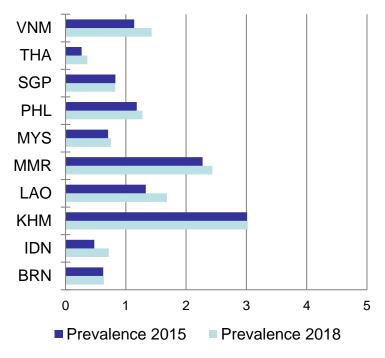
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Coverage Ratio, 2015 & 2018

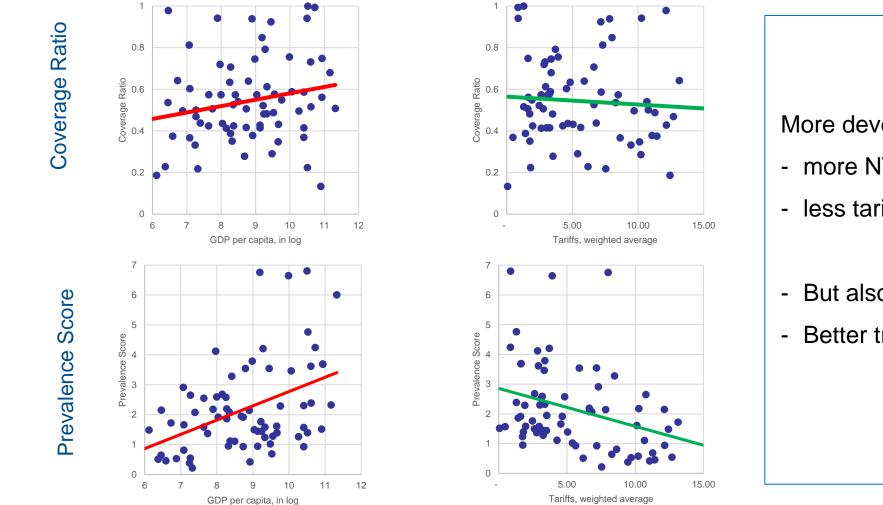
Prevalence Score, 2015 & 2018



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



More developed countries use :

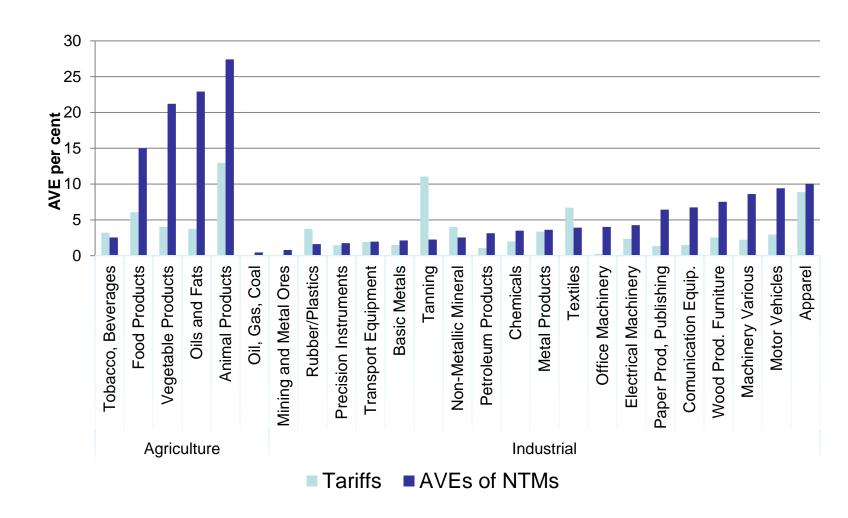
- more NTM
- less tariffs (policy substitution?)
- But also
- Better trade facilitation



GDP per capita (In)

Tariffs (weighted average)

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



 Tariffs are normally less costly than AVE

ON

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- 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

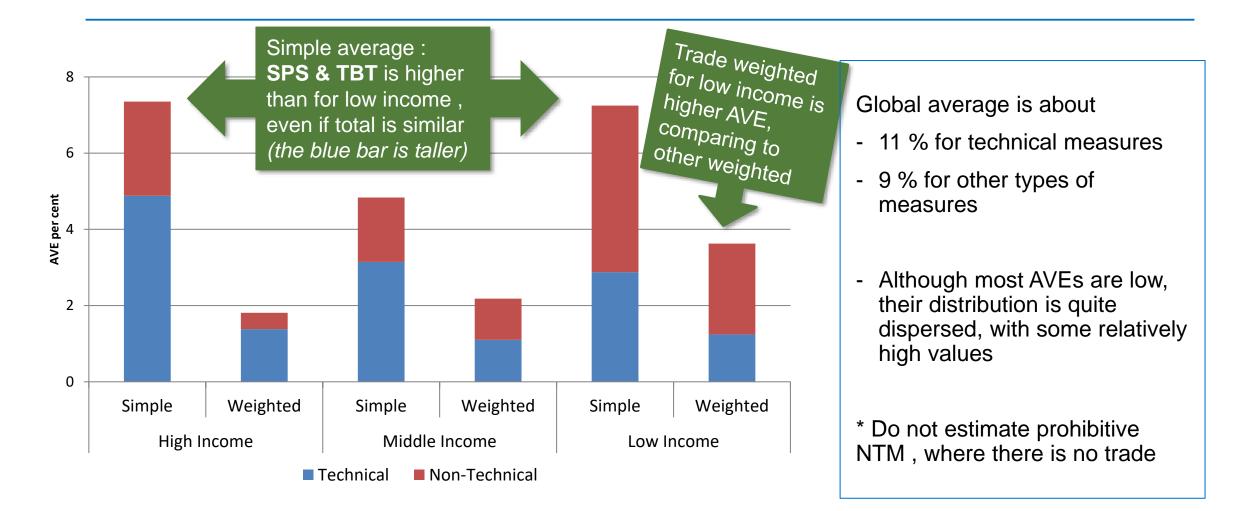
#### Example

 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

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#### Kee and Nicita (2017, 2018)



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#### 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.

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|       | 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%     |

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| 記<br>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     |
| <b>*</b> | 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             |          | <b></b> _ | 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 <sup>8.0943</sup> | 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% |

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### 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

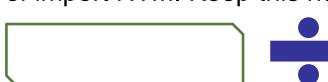
- 3. Prevalence Score
- Calculate the average of column Column O, "nbrAO"
- Include all products that are imported, including those with zero values, but not those that are not imparted (zero import value)
- This is the PS

## 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





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## 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





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## 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)



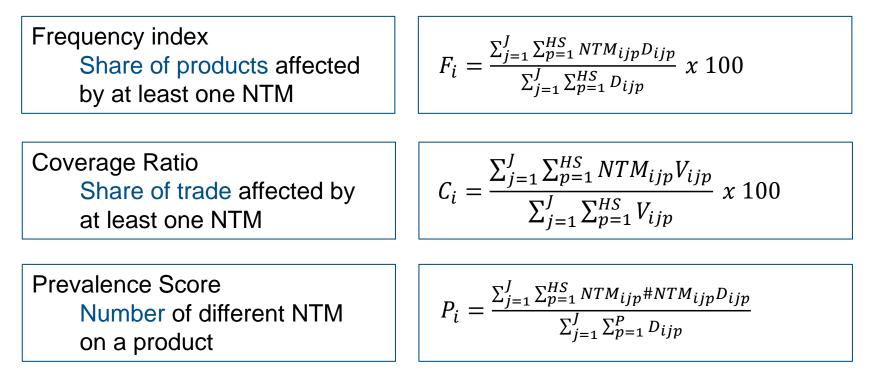
## **THANK YOU**

# PROSPERITY FOR ALL

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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

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

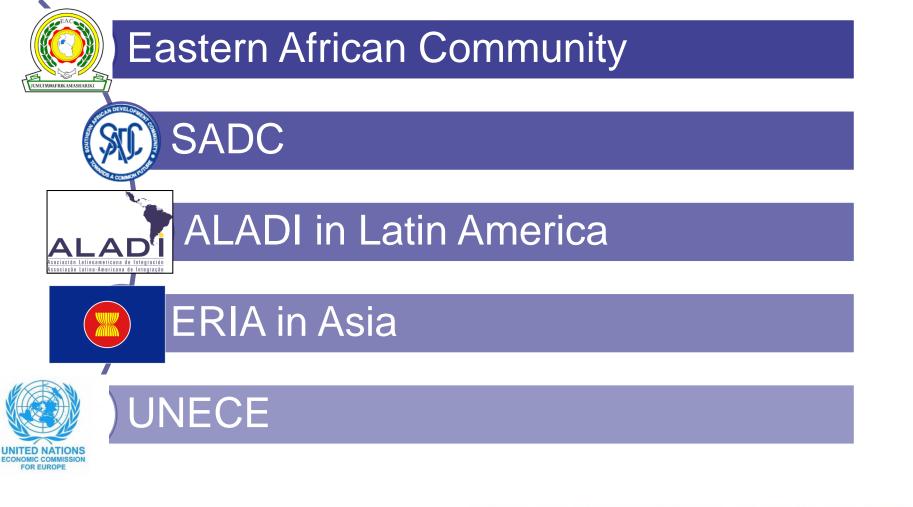
p, products in HS6j, partner countryi, imposing country

NTM\_ijp,dummy for presence of NTMD\_ijp,dummy for product being tradedV\_ijp,value of trade



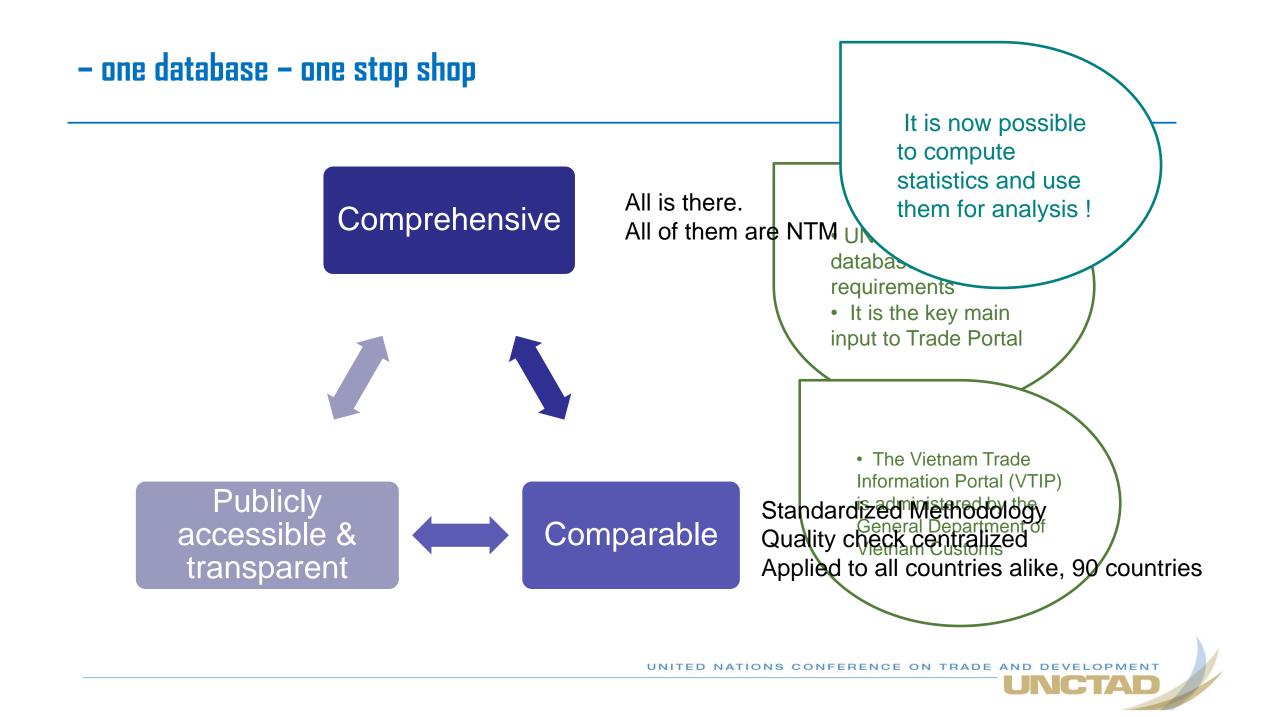
#### Partners

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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     | <ul> <li>15 Alternative conditions—meat and meat products</li> <li>(2) For paragraph 11(1)(b), the following table specifies alternative conditions for bringing or importing meat and meat products into Australian territory.</li> <li>(a) the goods:</li> <li>(i) were produced from animals in New Zealand; and</li> <li>(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";</li> <li>()</li> </ul> | (2)<br>alternative of<br>into Australi<br>(a) the good<br>(i) have bee<br>(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/ <del>a</del> #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<br>ght or imported into Australian territory unless specified<br>are complied with. |
| Measure_also_domestic   | No  | No   | This web site offers a centralized source for regulation in Australia https://www.legislation.gov.au/                                     |