GLOBAL VALUE CHAIN AND TRADE FACILITATION: THE CASE FOR SUSTAINABLE TRADE AND DEVELOPMENT

ESCAP/ARTNET - ITD TRADE FACILITATION FOR SUSTAINABLE DEVELOPMENT REGIONAL WORKSHOP 2019

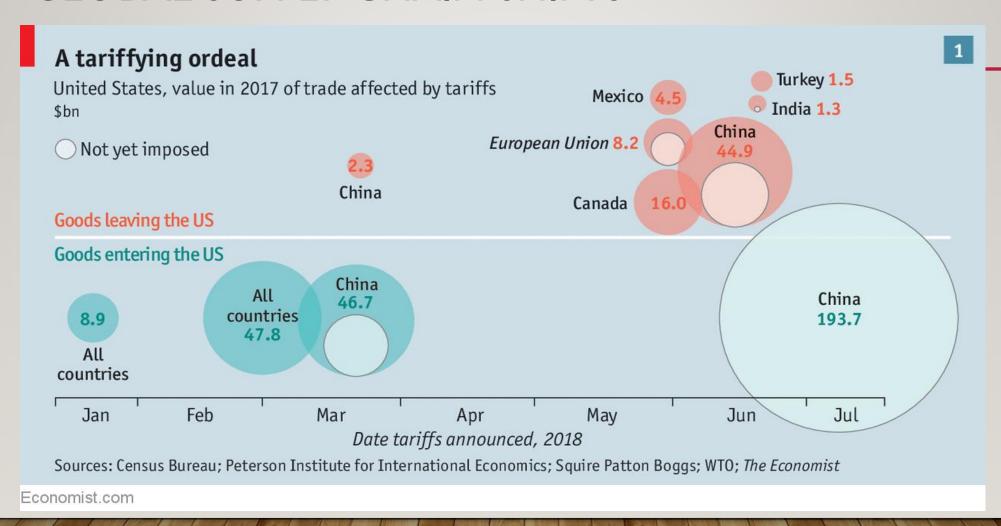
23 SEPTEMBER, 2019

UNCC, BANGKOK THAILAND





GLOBAL SUPPLY CHAIN SHIFTS



In Pursuit of Productivity and Innovation – Flipside to G6 Trends on Capital Intensity

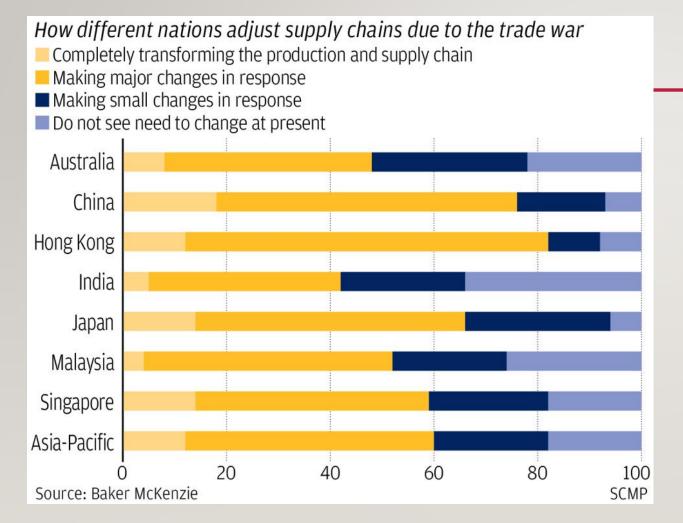
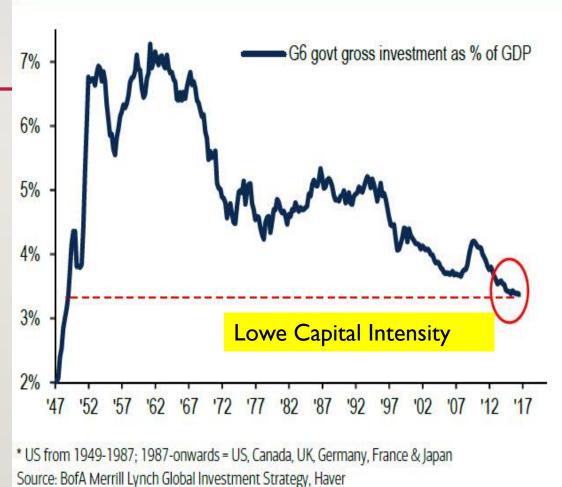
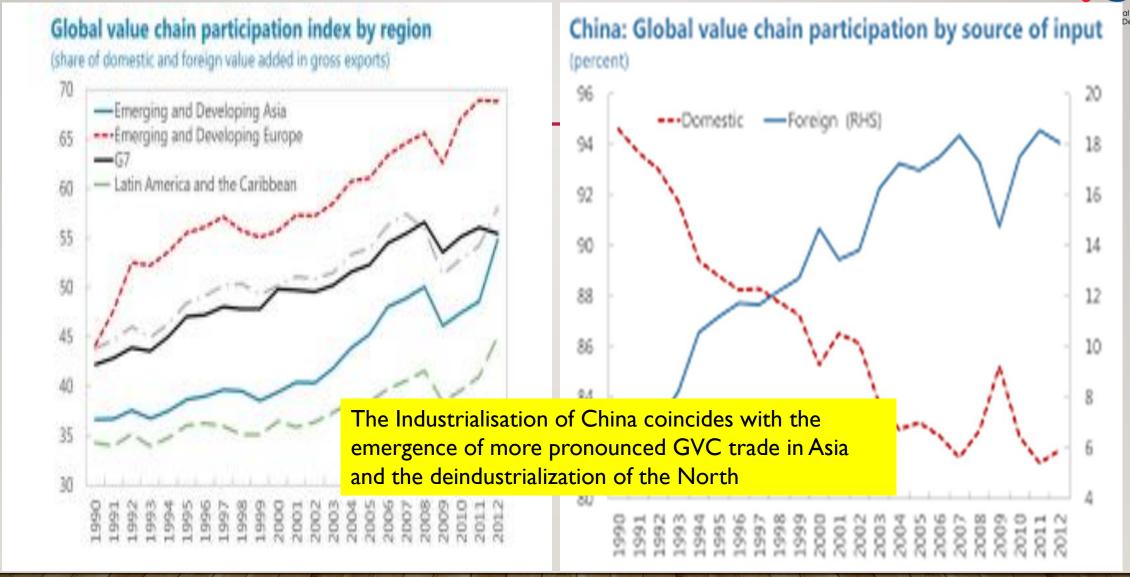




Chart 2: G6 govt gross investment as % GDP is lowest since 1948

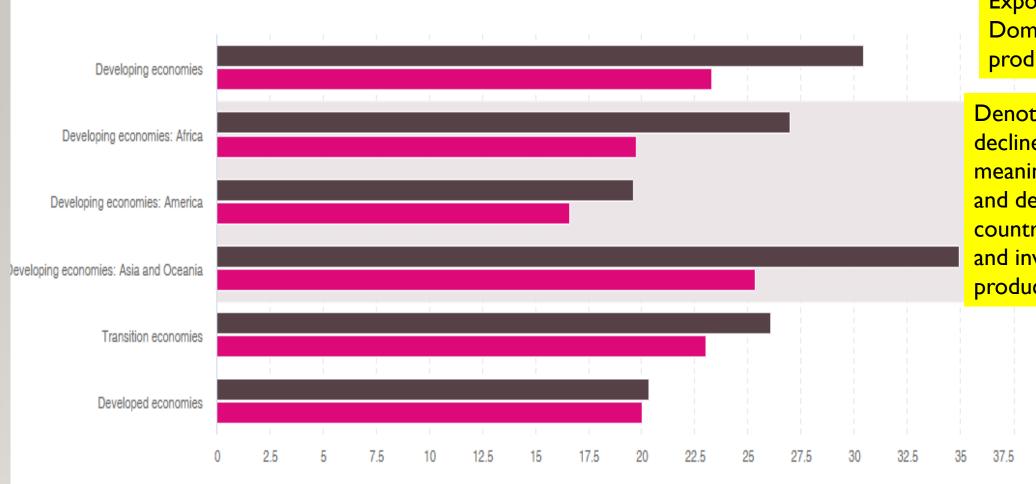






TRADE OPENNESS INDEX (2007 VS. 2017)





Source: UNCTAD 2019

Measures
Export to
Domestic
production

Denotes a gradual decline of Openness meaning more LDCs and developing countries are importing and involved in GVC-production

Most
prevalent in
developing
Asia and
Oceania and
Africa

GLOBAL VALUE CHAIN: EXPORT VALUE



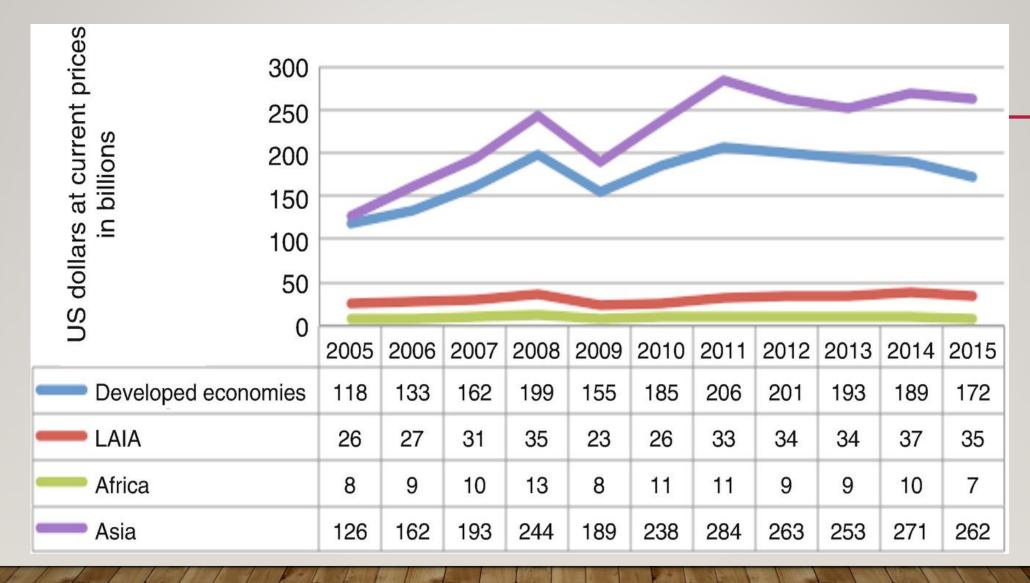


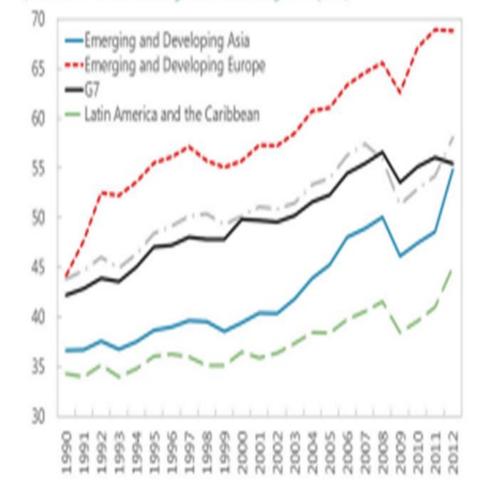
Table 4.2 Intraregional exports as a share of total merchandise exports, 1990 and 2010

Regions	1990	2010
Developing countries	35.9	56.3
Latin America and the Caribbean	16.1	20.7
Western Asia	6.7	10.3
Eastern Asia	26.2	30.8
Southern Asia	4.6	7.2
South-eastern Asia	19.2	25.2
North Africa	3.3	4.1
Sub-Saharan Africa	12.5	20.3
Memo items		
Developing countries excluding China	31.9	45.2
Economies in transition	19.1	14.2
North-North	77.2	68.8
EU	65.3	65.3
North America (developed economies)	34.2	32.3

Source: UN COMTRADE online database.

Global value chain participation index by region

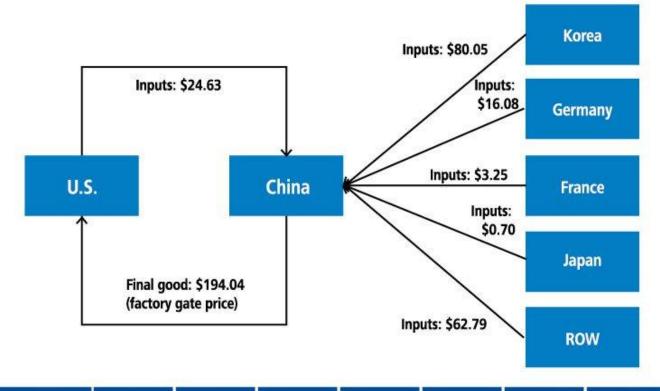
(share of domestic and foreign value added in gross exports)











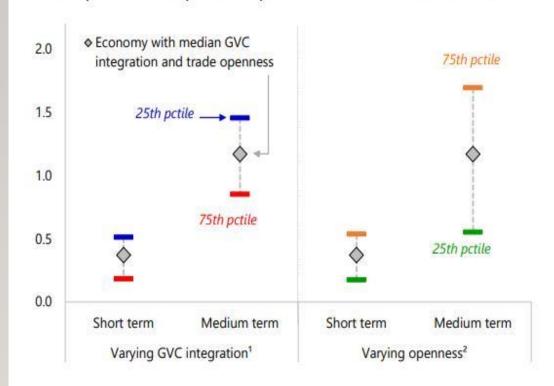
Us trade balance with	China	Korea	Germany	France	Japan	Rest of world	World Total
Gross	-\$169.41	0	0	0	0	0	-\$169.41
Value added	-\$6.54	-\$80.05	-\$16.08	-\$3.25	-\$0.70	-\$62.79	-\$169.41

Source: OECD

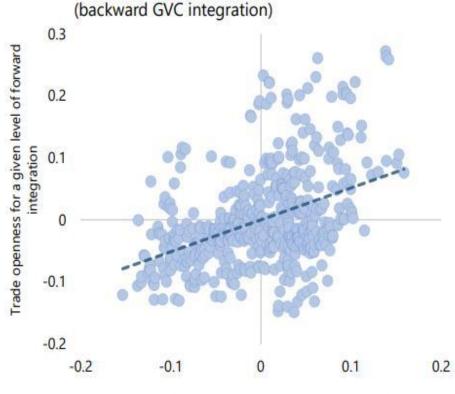


Impact of GVC and Trade Openness on Trade Balance Response

(Response to a 10 percent depreciation vis-à-vis all currencies)



Correlation between GVC and Trade Openness



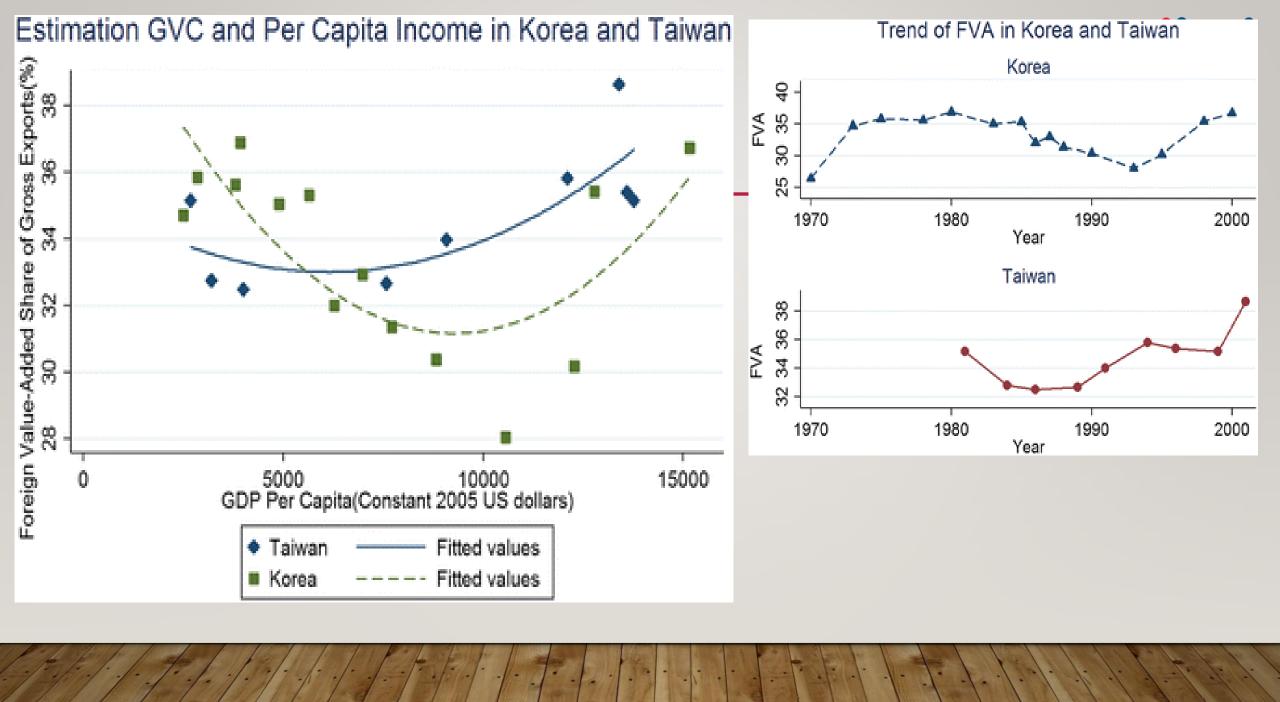
Backward GVC integration for given level of forward integration

Sources: IMF staff estimates.

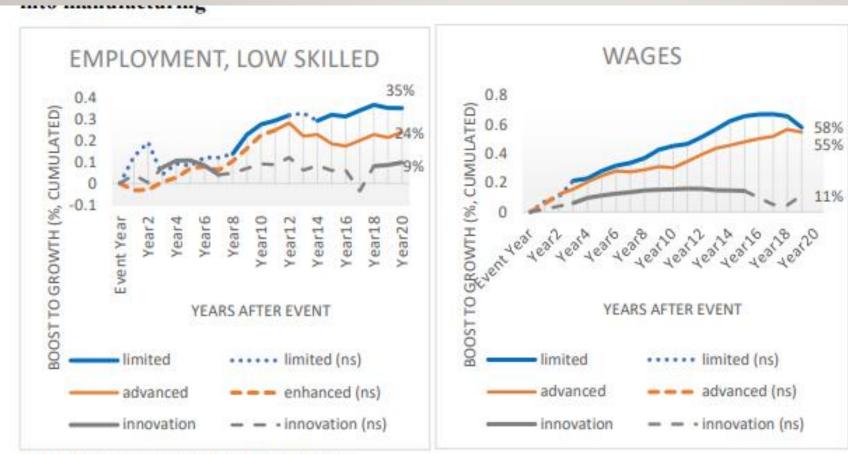
Sources: IMF staff estimates based on dataset from Gopinath and others (2018), WIOD 2016.

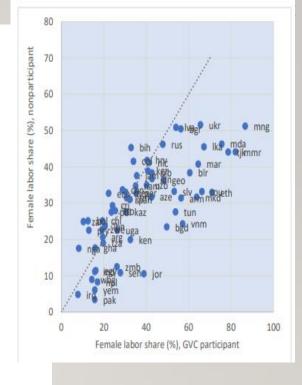
¹Openness fixed at the level of the median economy.

²Backward and forward GVC integration fixed at the level of the median economy.



IMPROVE JOB HIRES, WAGES AND WOMEN PARTICIPATION



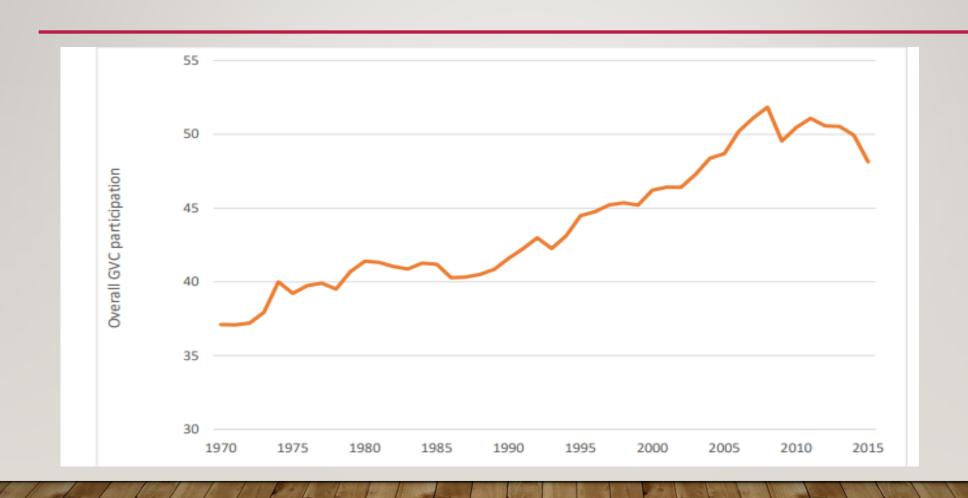


Source: Authors using data from WDI and EORA.

Note: The event study quantifies the change in cumulated employment and wage growth in the 20 years following a switch from a lower level to a higher level of GVC engagement. Dotted lines indicate statistically non-significant coefficients. Details are provided in Chapter 3.

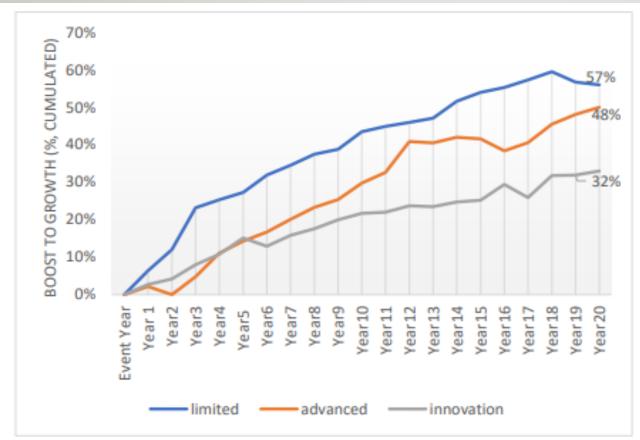


STAGNATION OF GVCTRADE AFTER "2008"



WORLD DEVELOPMENT REPORT 2020 (IN PROGRESS)





Source: WDR Team using data from WDI and EORA.

Note: The event study quantifies cumulated boost to real income growth in the 20 years following a switch from a lower to a higher stage of GVC engagement. See box 3.3 for the methodology.

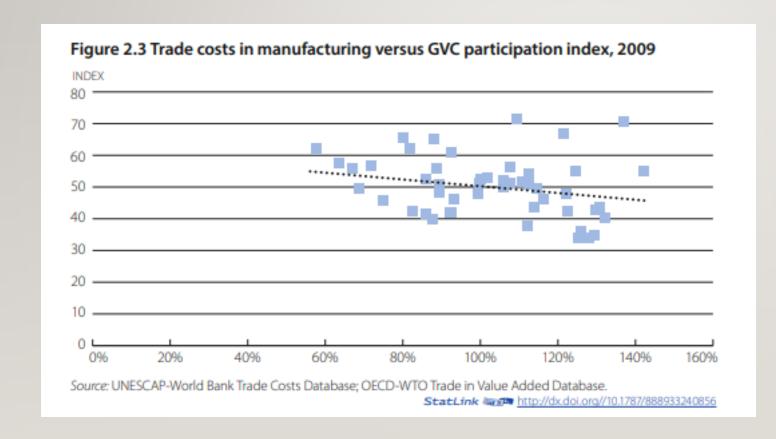


GVC PREREQUISITES

- Trade Cost
- Logistics Services
- ICT driven Servification
- Connectivity



TRADE COST KEY ENTRY PREREQUISITES FOR GVC PARTICIPATION



Has important implications on growth of local industries and internationalisation

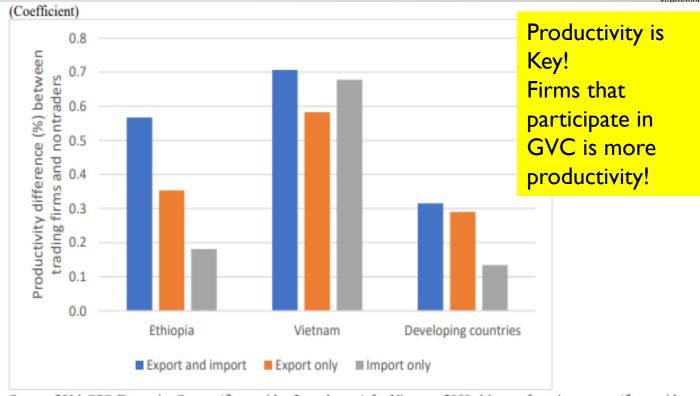
Further along, promotes the creation of local value and knowledge creation towards an Innovation System locally



FOR BASIC GVC

Means Govt. must design better trade policies: Import Substitution and Export Promotion Policy not effective!

Trade Facilitation and Trade Logistics is Key to Capture Value!



Source: 2014 GSO Enterprise Survey (firms with >5 employees) for Vietnam. 2000–14 manufacturing census (firms with >=10 employees) for Ethiopia and Choi et al. (2019). World Bank Enterprise Surveys for a developing country sample of 81 countries. Note: The figure plots the coefficient estimates of a regression of log of labor productivity (sales per worker) on dummy variables if the firm exports and imports (GVC firm), exports only, or imports only, controlling for capital per worker. Only statistically significant coefficients reported. The global sample controls for country–sector, subnational region, and year fixed effects. The Ethiopia sample controls for sector, year, and region fixed effects as well as whether the firm is state-owned. The Vietnam sample controls for sector and region fixed effects as well as whether the firm is state- or foreign-owned.

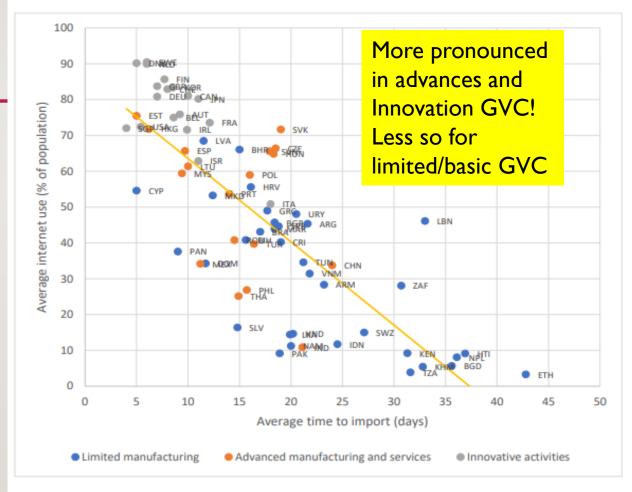
CONNECTIVITY MATTERS!

To Value Create is not enough. You need to Value Capture via Connectivity enhancing measures

Connectivity does not mean geographic distance but economic distance!



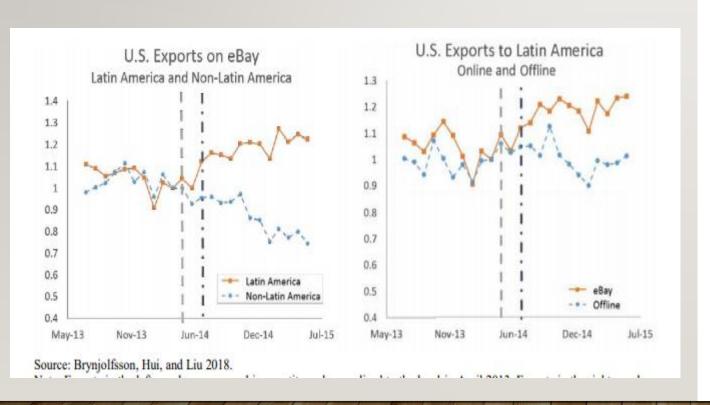
Figure 7 Connectivity matters for specialization in more advanced GVCs

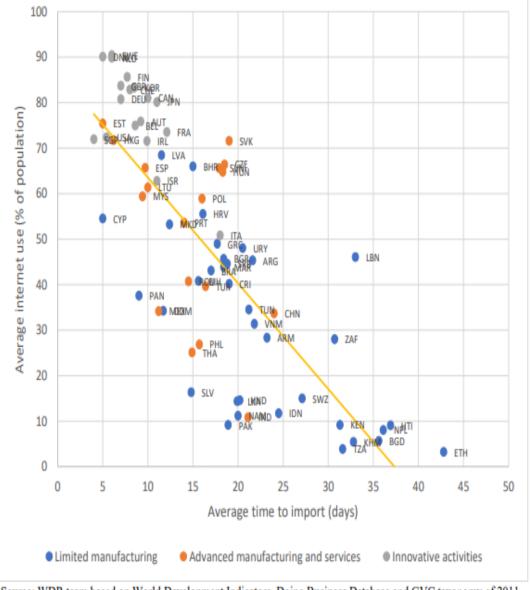


Source: WDR team based on World Development Indicators, Doing Business Database and GVC taxonomy of 2011 Note: Excludes countries specializing in commodities. The x axis shows the average time to import (days) and the y axis the average internet use (% of population) by GVC taxonomy group, with averages over 2006–15.

DIGITILISATION & CONNECTIVITY : KEY FOR

ADVANCED GVC



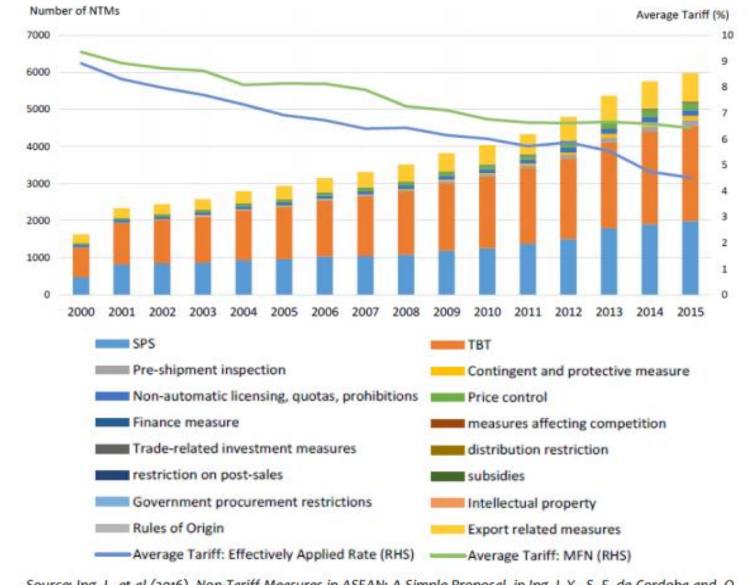


Source: WDR team based on World Development Indicators, Doing Business Database and GVC taxonomy of 2011



ACCELERATORS OF TRADE COST REDUCTION

- Trade Facilitation Mechanisms
- NTM reduction
- Logistics infrastructure and logistic services
- Regional Trade Agreements/Regional Integration
- Technology and Servification Transformation



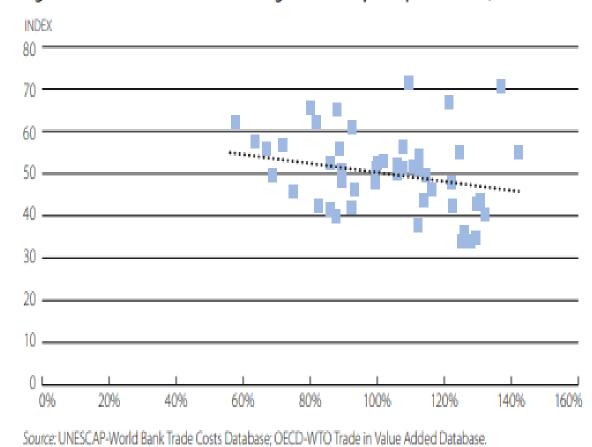


Source: Ing, L. et al (2016), Non-Tariff Measures in ASEAN: A Simple Proposal, in Ing, L.Y., S. F. de Cordoba and. O. Cadot (eds.), Non-Tariff Measures in ASEAN. ERIA Research Project Report 2015-1, Jakarta: ERIA, pp.13-36

GVC LOWERS TRADE COST

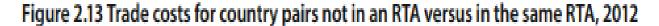


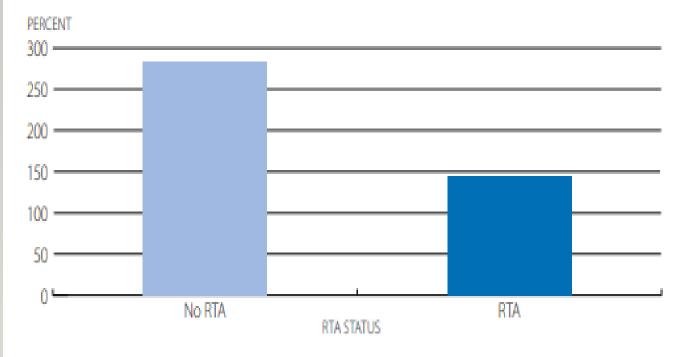




MAXIMISING TRADE AGREEMENTS AND TRADE FACILITATION





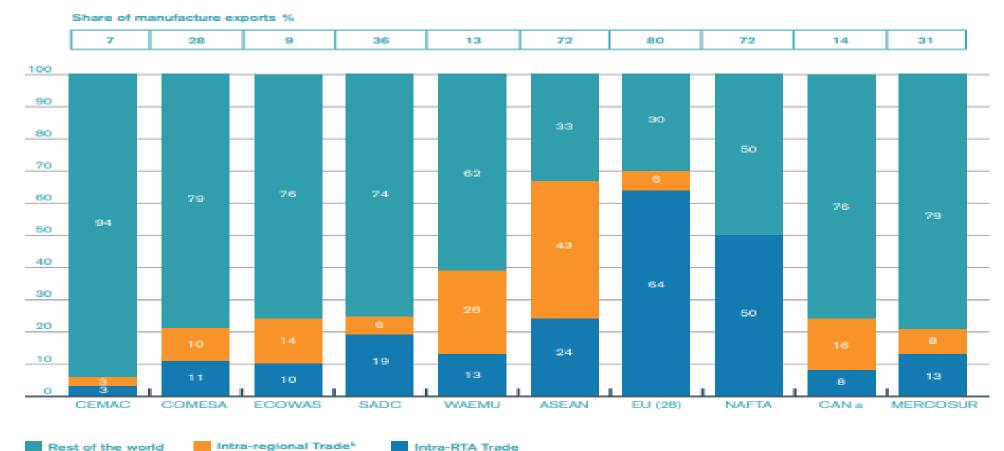


Source: UNESCAP-World Bank trade costs database; De Sousa (forthcoming).

StatLink http://dx.doi.org//10.1787/888933240950

Bilaterals and regional trade agreements helps accelerate the lowering of trade cost.

Exports of regional trade agreements (RTA), 2016 (Percentage share)



*Andean Community

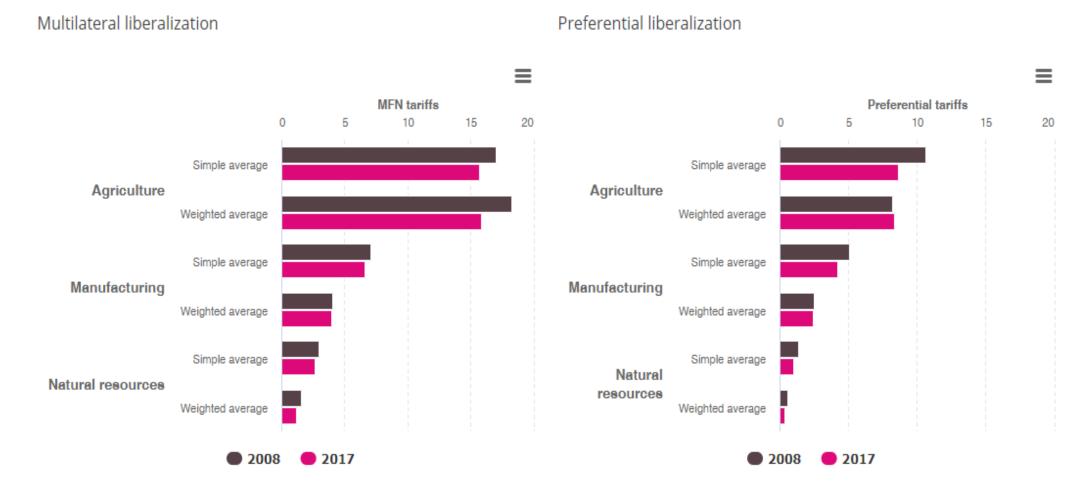
Note: For composition of regional trade agreements, see Chapter VII.

Source: WTO estimates.

Intra-regional trade is calculated as total RTA exports to members of the geographical region (e.g. South America) who are not part of the RTA (e.g. MERCOSUR). The next update, to be released in October 2018, will include 2017 figures.

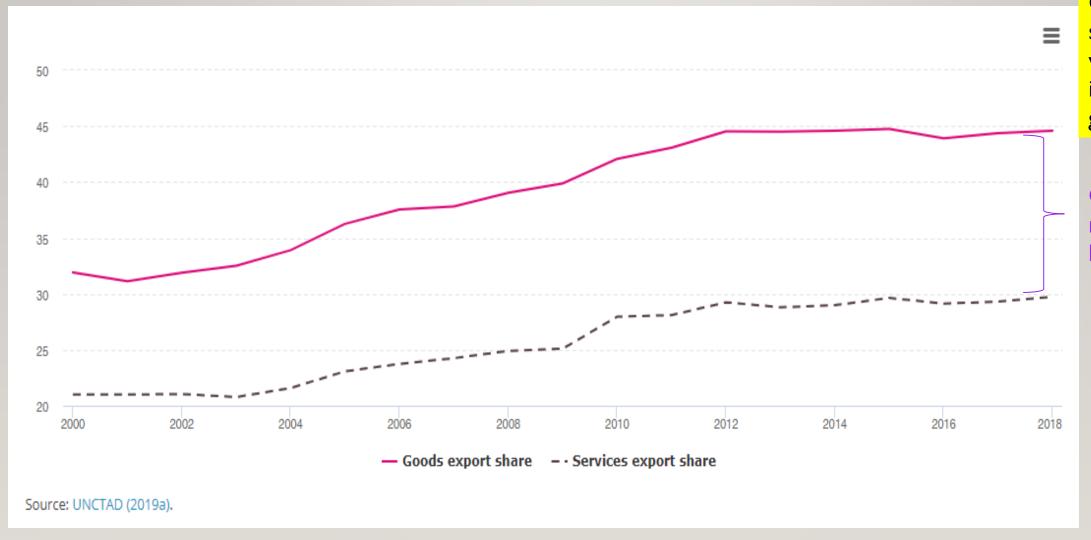
MULTILATERAL VS. PREFERENTIAL LIBERALISATION





Source: UNCTAD, ITC and WTO calculations based on UNCTAD (2019c), ITC (2019) and WTO (2019b).

EXPORTS IN GOODS VS. SERVICES TREND (2000-2018)



Goods
stabilizing
while Services
increasing
gradually

GAP remains large

THE NEW CONTEXT



- Distributed production system matches with trade patterns
- Global flows of investment, capital, technology, skills and knowledge (negative interest)
- Value Addition from Foreign Input and Upgrade Export/Local Input
- Rising level of income, changes in consumption patterns, lifestyle-preferences (digital payment, ecommerce, etc.)
- Advancement in trade logistics, regional integration through ICT, logistics system development, etc.

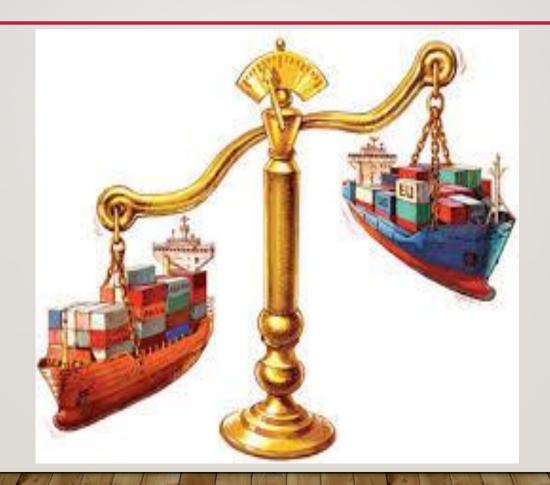
CHANGING TRADE PARADIGMS

- Export promotion
- Trade cost reduction (TFA)
- Trade surplus
- Geographic connectivity
- Currency manipulation
- Trade measures: Rules of Origin, CV

- Export and import promotion
- Ease of Doing Business
- Trade spillover
- Economic connectivity
- FDI for technology transfer*
- Foreign Value Added Key in Export and Upgrade Local Value Chain



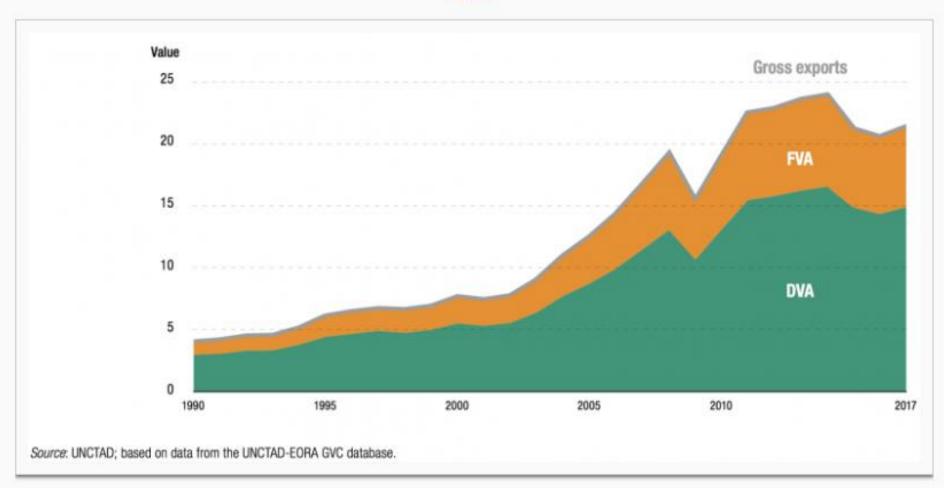
TRADE ECONOMICS : BALANCED, DEFICIT AND SURPLUS



DOMESTIC VS. FOREIGN VALUE ADDED IN EXPORT

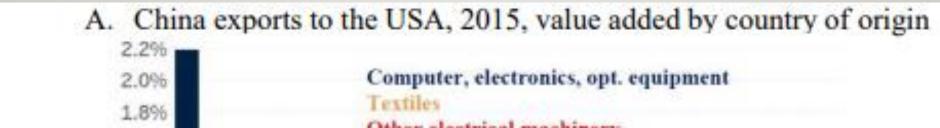


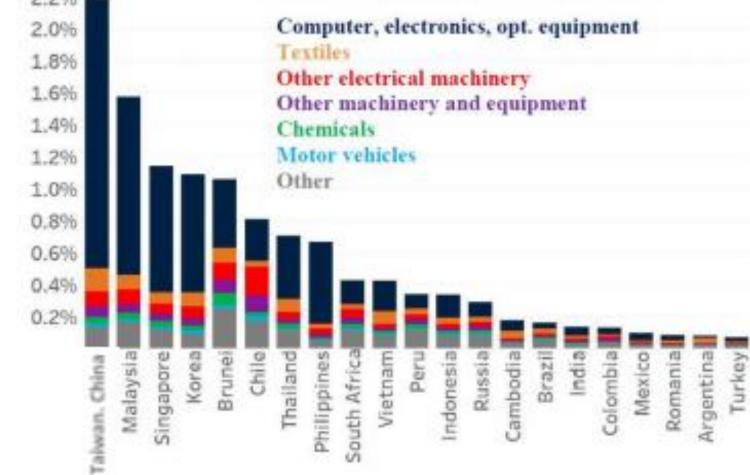
Gross global exports, broken down into domestic value added (DVA) and foreign value added (FVA) – World Investment Report (2018)



RULES OF ORIGIN: CHINA TO US MARKETS



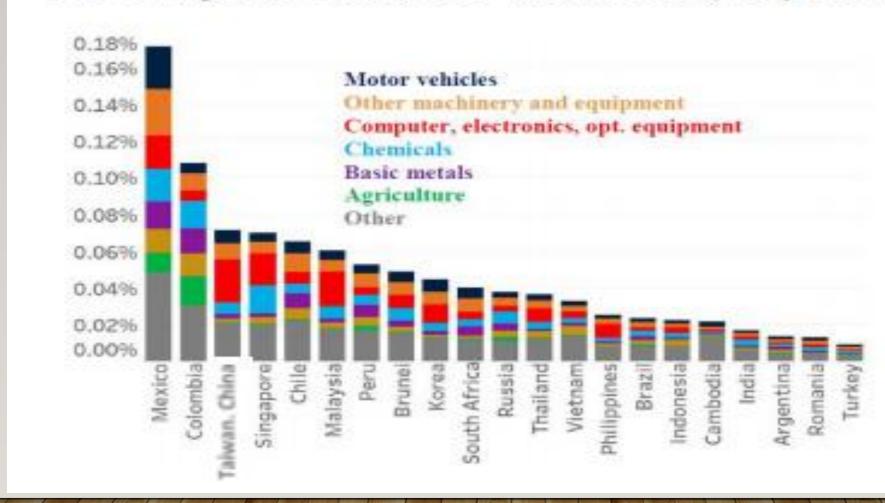




RULES OF ORIGIN: US EXPORTS TO CHINA

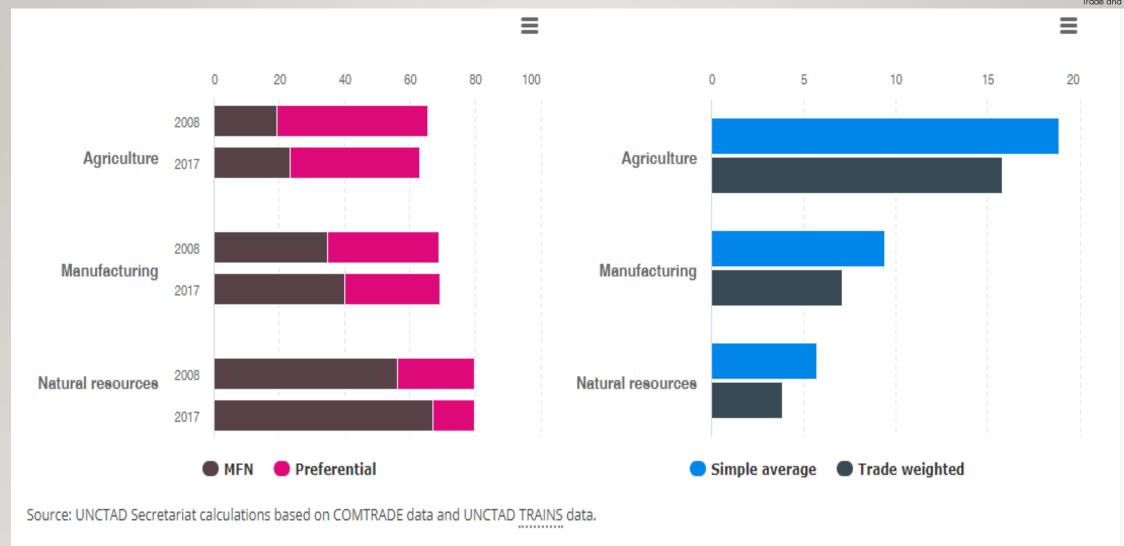


B. US exports to China, 2015 Value added, by origin country



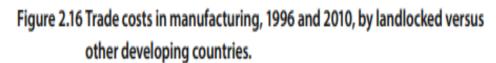
DUTY FREE RATES AS % TARIFF

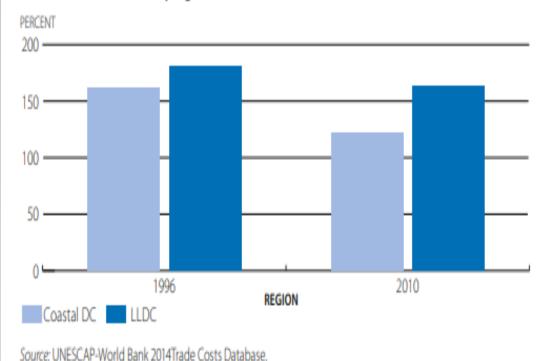




TRADE COST FOR LANDLOCKED COUNTRIES **EXPERIENCED HIGHER COST BY 20-25%**







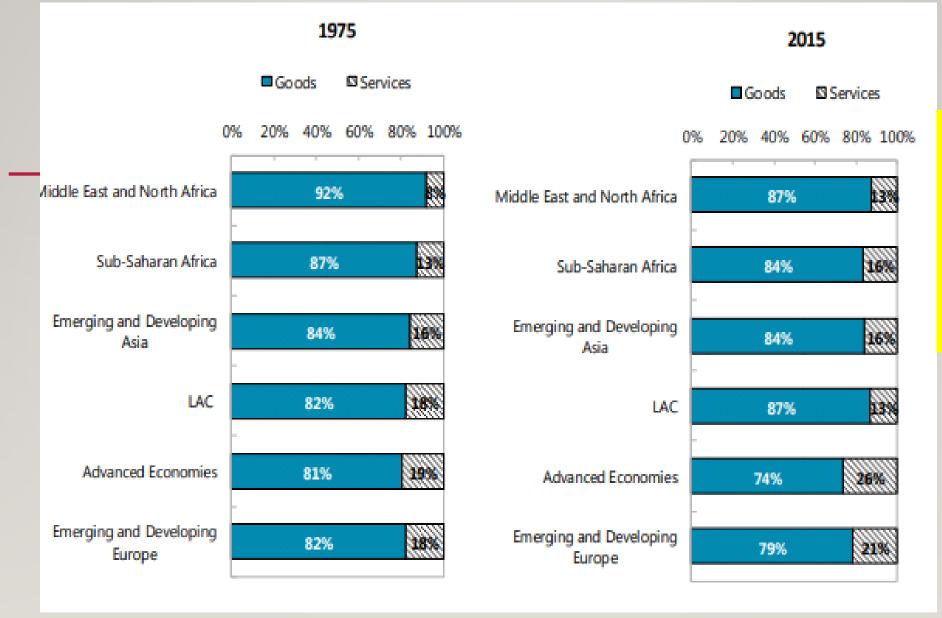
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Figure 2.18 Key factors in achieving trade cost reductions in partner countries



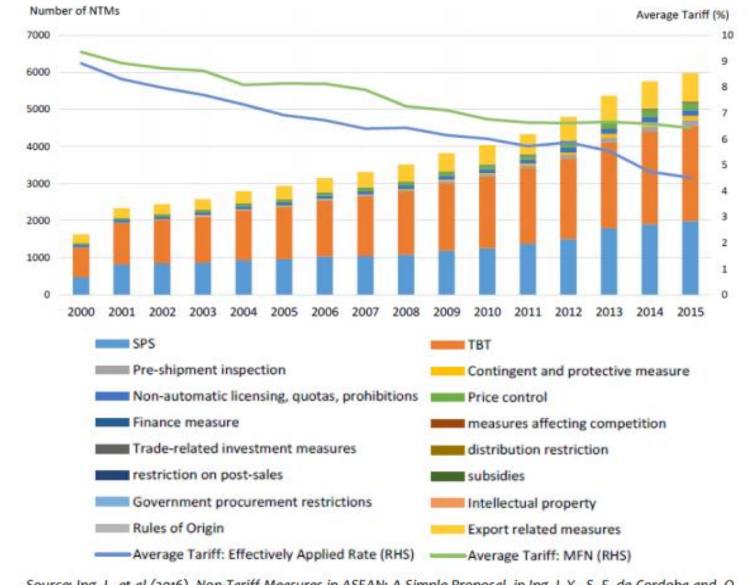
Source: OECD-WTO aid for trade monitoring exercise (2015).

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Trade in
Services
Remains
Stagnant
especially for
LDCs and
developing
countries

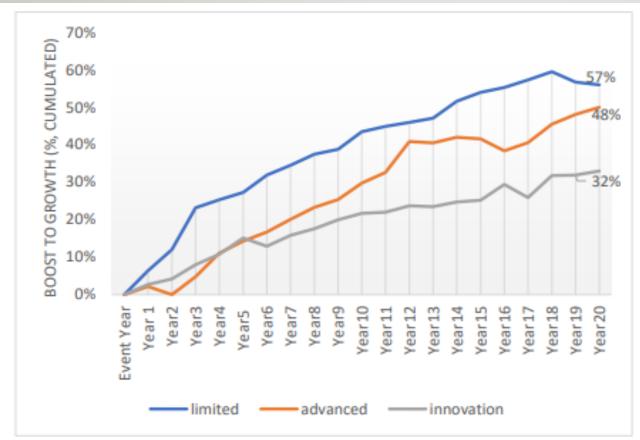




Source: Ing, L. et al (2016), Non-Tariff Measures in ASEAN: A Simple Proposal, in Ing, L.Y., S. F. de Cordoba and. O. Cadot (eds.), Non-Tariff Measures in ASEAN. ERIA Research Project Report 2015-1, Jakarta: ERIA, pp.13-36

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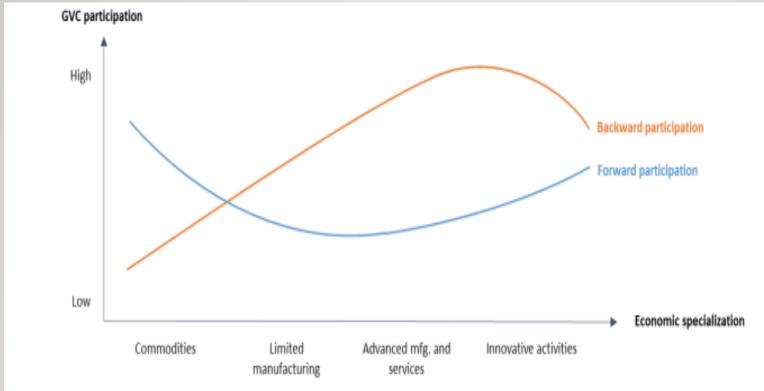


Source: WDR Team using data from WDI and EORA.

Note: The event study quantifies cumulated boost to real income growth in the 20 years following a switch from a lower to a higher stage of GVC engagement. See box 3.3 for the methodology.



GVC STRATEGY KEY!



Note: The approximate distribution is based on backward and forward GVC participation averages by taxonomy group for the period 2010-15. For the definition of taxonomy groups, see Box 1.2.

GVC :TRADE SPILLOVER ANALYSIS

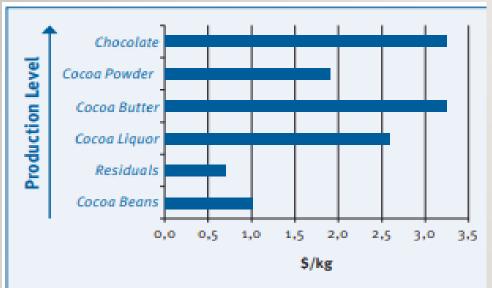


Figure 4.3: Export unit value of cocoa beans, intermediate products and chocolate, 2003

Source: Own elaboration based on UTEPI (2007)

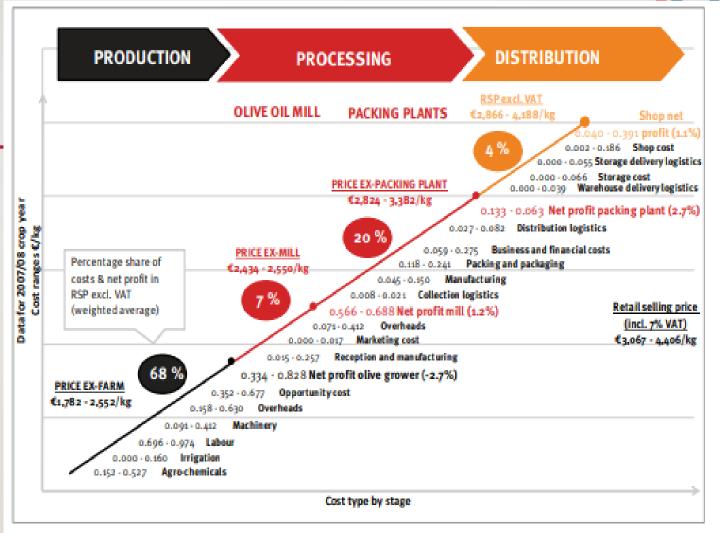


Figure 4.1: Prices, margins and value added in the Spanish extra virgin olive oil value chain

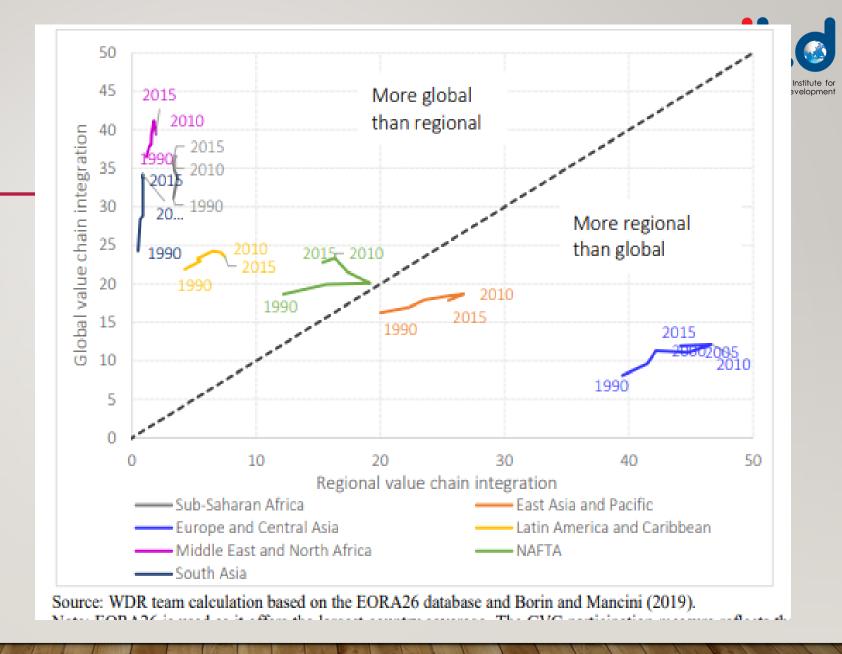
Source: Own elaboration based on MARM (2010)



Transportation companies reporting advanced levels of digitalization and integration*



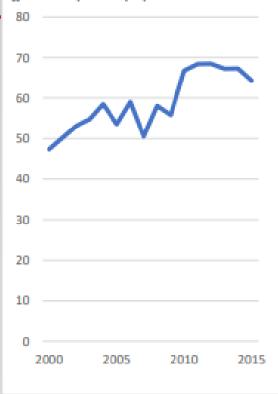
GVC CLUSTER GLOBAL VS. REGIONAL



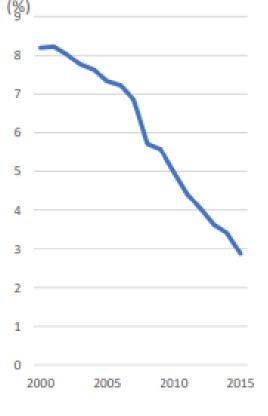
VIETNAM'S GVC JOURNEY



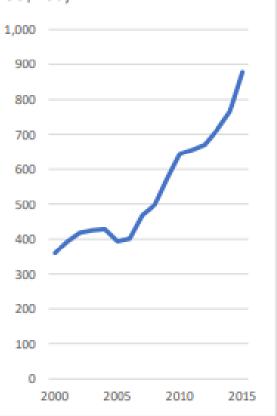








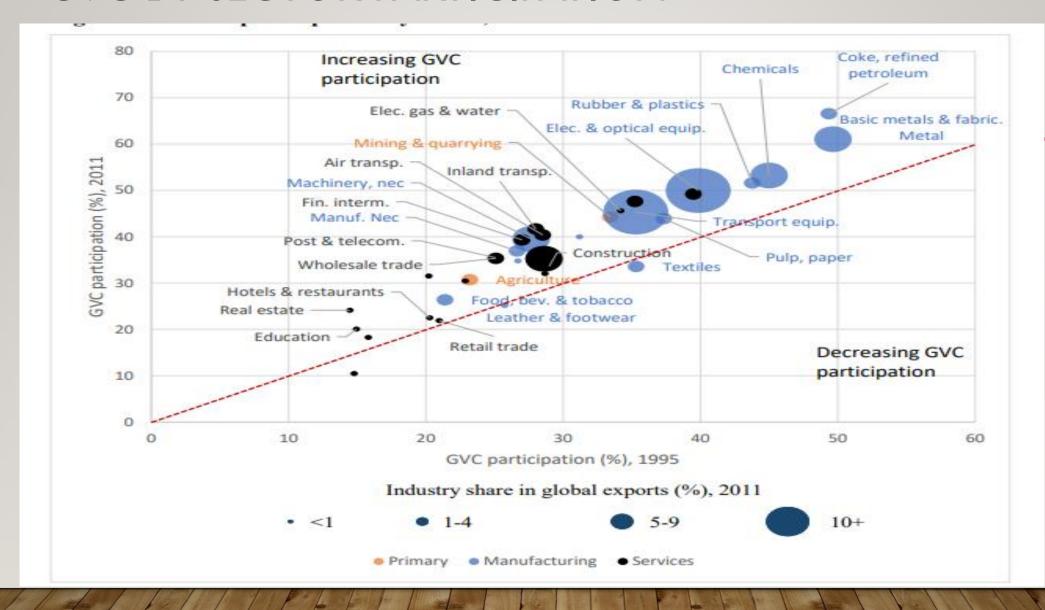
c FDI stock per person (in US\$100)



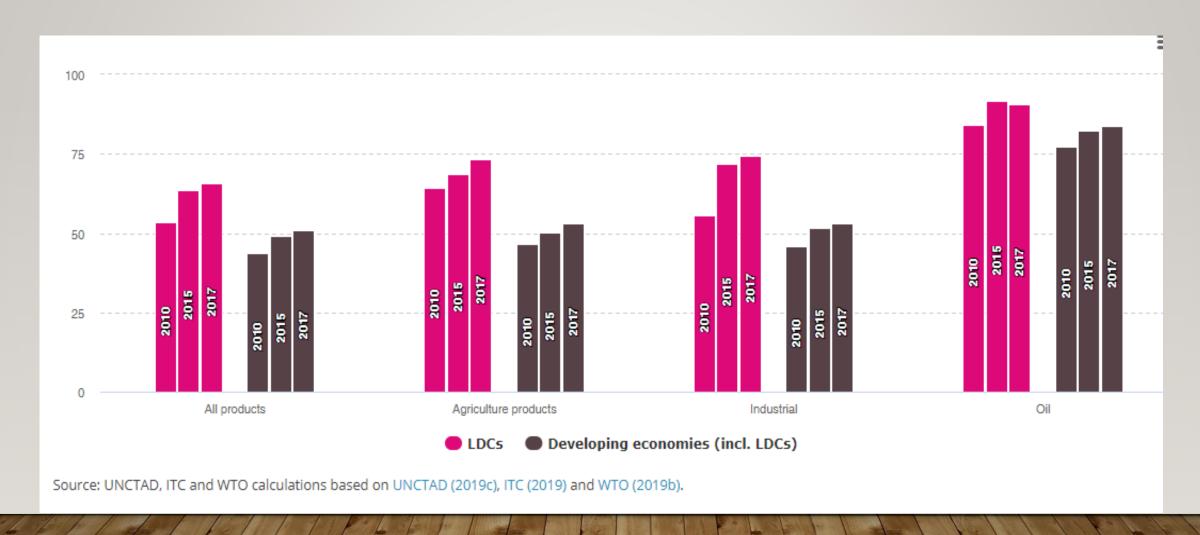
Source: EORA, WITS, WDI.

GVC BY SECTOR PARTICIPATION



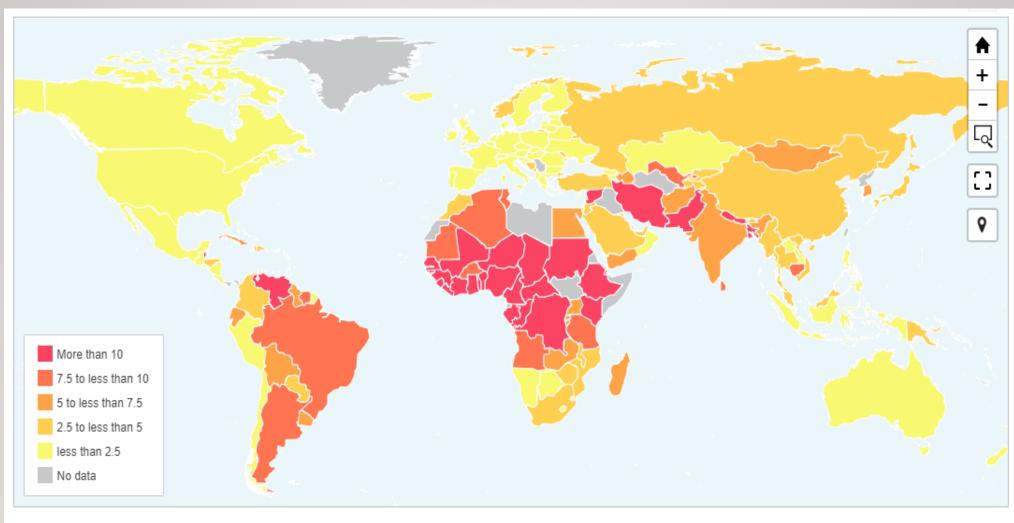


TARIFF RATES: LDC COUNTRIES VS. DEVELOPING COUNTRIES REMAIN RELATIVELY HIGH/UNCHANGED



GLOBAL AVG. TARIFF RATE BY COUNTRY





Source: UNCTAD, ITC and WTO calculations based on UNCTAD (2019c), ITC (2019) and WTO (2019b).



NEW RULES ON TRADE FACILITATION FOR GVC

- Why?
- Growing protectionism
- Policy incoherence between trade and industrial capacity building
- NTBs *
- Complex investment-trade relationships (Trade Surplus vs. Trade Deficit)
- Non conventional drivers of trade in GVC (technology platform, Big Data, etc.)



SUSTAINABLE FDI AND INCLUSIVE TRADE - INDUSTRIALISATION

• What are they?

Q&A

