



















# 2019 tralac Annual Conference

Industrial Development and Diversification – new approaches for Africa?

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# Overview

- Beyond ideology
- Two broad approaches:
  - Enabling policies, pro-competition
  - Resource-shifting policies
  - These are complementary, but sequencing may matter
- "Traditional" industrial policy
- A more horizontal orientation and other emphases
- Likely ingredients of successful industrial policy
- Are GVCs an opportunity?
- Role of services

# "Traditional" industrial policy

Import substitution

Export policy-driven industrialization

 Outward-oriented industrialization, including export processing zones

#### Import substitution

- Build diversification/industrialization on domestic demand: degree of success depends crucially on domestic market size
- Tariffs and quantitative restrictions on imports structured to combine cheap inputs and expensive competing products
- Problems with anti-export bias limits of the domestic market, a lack of competitiveness, and negative exchange rate effects leading to foreign exchange rationing
- In its purest and most persistent form, a policy *cul de* sac with high economic costs

#### **Export policy-driven industrialization**

- Diversify on the back of the domestic market, but by using export restraints on industrial inputs rather than import restrictions – indirectly a production subsidy
- Need to have the necessary domestic natural resources
- Assume capacity to produce at world prices over time, or else no different from the import substitution policy cul de sac
- The terms-of-trade issue
- Tariff peaks and escalation in major markets that can frustrate this strategy to the extent it is export-driven

#### **Outward-oriented industrialization**

- Export-led growth model, but domestic market also available
- Inputs at world prices, add value domestically, mostly labour
- Equalize cost structures for domestic and export sales – elimination of the anti-export bias, strive for backward and forward linkages
- Need to pick winners and ensure time-limited support
- Assumes a range of prior conditions present relating to infrastructure, skill levels, governance etc.

# **Export processing zones**

Export processing zones (EPZs) are enclosed policy spaces dedicated exclusively to production for exports

- May foster:
  - Job creation
  - Additional economic activity
  - Possible technological spillovers
- But:
  - Favour foreign firms
  - Race to the bottom competition
  - Sustainability in terms of labour standards and environment
  - Lack of backward linkages
  - Attract foot-loose industries mostly with infrastructure subsidies, tax-less environment and cheap labour

# Choice of policy instruments matters

- Policy choice and efficiency/effectiveness:
- Taxes
- Subsidies
- Quantitative restrictions (QRs)
- Trade-related investment measures (TRIMs):
  - Obligation to buy local inputs
  - Minimum export obligations
- Regulations

# More recent industrial policy orientations

# Horizontal supporting policies

- Essentially economy-wide
- Connectivity: infrastructure, ICT, competitive key services
- **Ease of doing business** e.g. business registration regulations, contract enforcement, import export documentation, improved transparency + promotion of entrepreneurship
- Trade facilitation services are the vehicles for facilitation
- Financial access inclusivity
- Focus on innovation, R&D and science and technology policy.
- Stable macro-economic environment e.g. manageable rate of inflation, competitive exchange rate
- Regional and multilateral cooperation enhanced market opportunity, rule setting, specific initiatives e.g. economic corridors, harmonization

# Modern emphases in industrial policy

- Increasingly from trade-policy-dependency to FDI
- Understanding services
- Role of public-private partnerships
- The importance of discovery/technological frontier
- Policy fixes aim to:
  - Disseminate information
  - Coordinate and create networks
  - Manage information asymmetries
- Preferences for support and subsidies rather than trade restrictions
- Capabilities

# The pre-conditions for successful industrial policy

## Industrial policy effectiveness - implementation is key

- Clear-sighted focus on design, purpose, objectives, means and key performance indicators (KPIs)
- Consistency and good governance
- Systematic reporting, monitoring and evaluation
- Picking winners, maybe, but letting losers go, certainly

# Do Global Value Chains (GVCs) offer additional diversification and industrial development opportunities?

# Why are GVCs different when it comes to industrial policy?

- Possibility of insertion at different points on a chain, no need to produce a good or service from beginning to end
- A lot of focus on intermediates fragmented production processes
- Possibility of a regional orientation, but not as market enlargement for import substitution
- Integrated nature (complementarity) of markets on the supply chain modularization/bundling possibilities for first (+) tier suppliers and beyond

# Opportunities for industrialization, specialization and diversification

- Diversification through specialization
- No need for 'full' specialization
- But how to escape bottom end low-skill specialization through upgrading and adding additional value?
  - No magic bullet
  - A combination of an enabling environment and lead firm cooperation

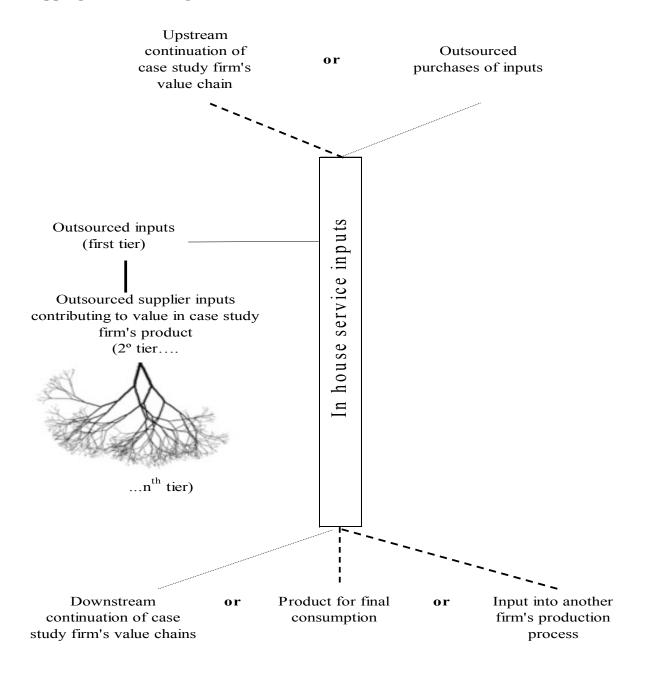
# Are there risks with GVC involvement?

 Static, low-level engagement with limited added value opportunities:

#### OR

- Opportunities for upgrading
  - Process
  - Product
  - Technological
- Scope for intra-African economic integration via GVCs
- Complementarities in regional trade content intra-sectoral as well as inter-sectoral trade
- No magic bullet
- A combination of an enabling environment and lead firm cooperation

Figure 1: Mapping Services along Value Chains



# The role of services in GVCs

#### Services in the global economy

#### The historical neglect of services:

- Classical economic thought and the theory of value
- 'The labour of a menial servant...adds to the value of nothing...services generally perish in the very instant of their performance, and seldom leave any trace or value behind' Adam Smith (1776)
- •Story from the 1960s Baumol's disease and services as the poor cousin, allegedly zero contribution of services to innovation and productivity growth
- •But growing "servicification" in global economy

#### **Data challenges:**

- -Measuring intangibles
- "Service science", linked to intangible assets and value acquisition literature
- -Significant heterogeneity in offerings (very hard to identify unit prices)
- The bundling phenomenon (especially services embedded in goods)
- The missing link, measuring trade as value-added

#### Services are becoming increasingly important in all economies

On the consumption side

Typically services consumption rises with income levels

Services offer more variety and product choice than goods

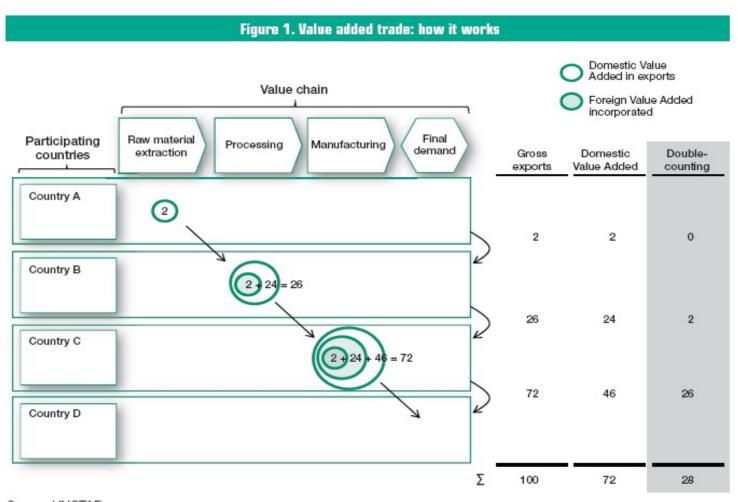
Services are more customized than goods

On the production side

Globalization, or the internationalized economy, has increased demand for services, especially along GVCs

As output expands, there is more than proportionate demand across every activity in the economy for certain kinds of services – telecoms, ICT, finance, insurance, energy, transport etc.

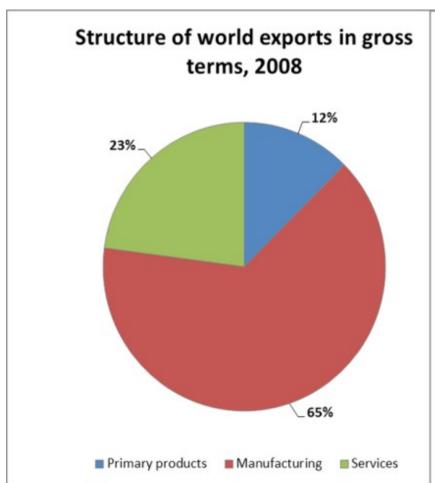
### How does value-added measurement of trade work?

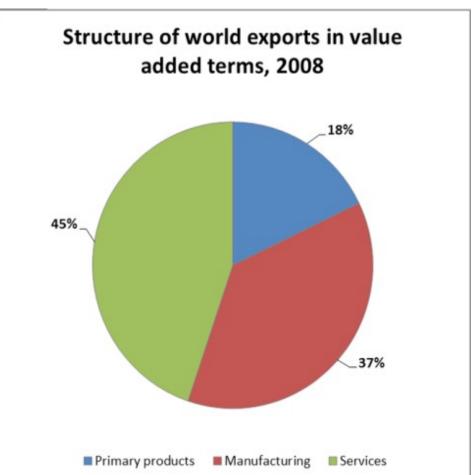


Source: UNCTAD.

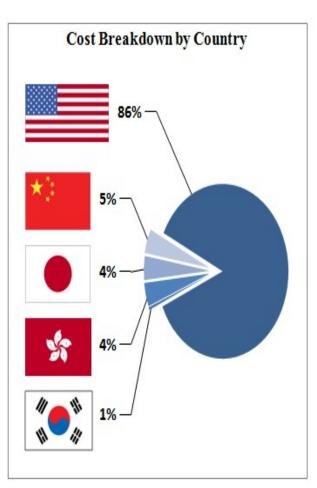
# 1. Sectoral contribution to total trade, gross and value-added measures (2008)

(Source: WTO Secretariat estimates based on OECD-WTO data)

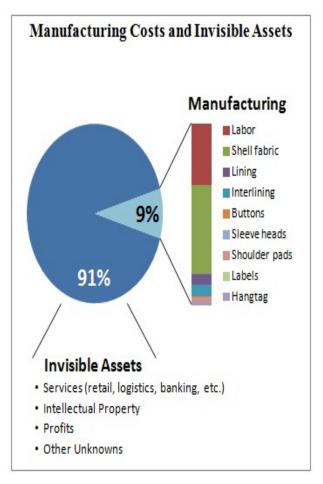




# 1. Value-added attribution: Jacket







### Services as innovation

Services innovation via product differentiation

 Services an important source of process innovation, as well as in bundled combination with goods-driven R&D

 Services as part of networked technology, innovation, entrepreneurship and consumption

## Numerous services enter the value chain

Stages/Cases	Total Number of Services
Aircraft parts, Philippines	53
Automotive components, Japan	<u>37</u>
Car manufacturer, Philippines	70
Construction machinery, Japan	<b>72</b>
Die makers, Thailand	38
Home appliance Japan	55
Oil and gas extraction equipment, Singapore	55
Power plant equipment, Japan	<u>77</u>
Server manufacturer, Taiwan	53
Wastewater treatment, Thailand	54
Watch manufacturer, Hong Kong	43
Welding Alloys, Thailand	38

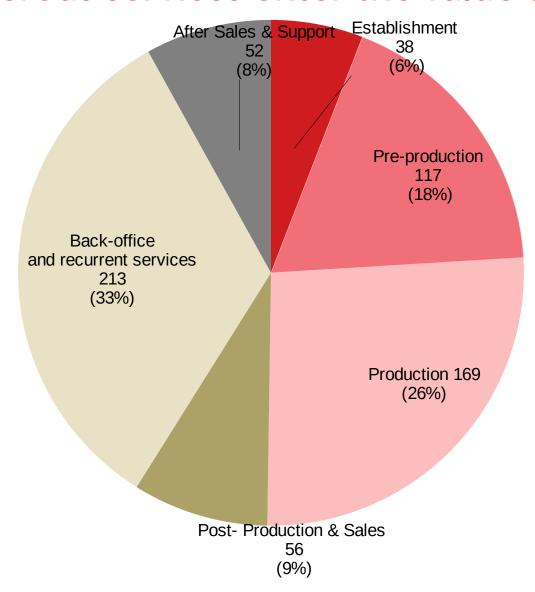
Source: Case studies

## Numerous services enter the value chain

#### **Services Entering a Manufacturing Value Chain for Construction Machinery**

Es	stablishment Stages	Pre	e-manufacturing		Manufacturing	Post-	-manufacturing		Back-office and recurrent		After-sales
1.	Business liaison	6.	Raw material procurement	16.	Production management	31.	Land transport of	38. 39.	Auditing on financial accounts Financial services	63.	Customer complaints and compliments
	services		agent		services		vehicles to	40.	Internal auditing		handling
2.	Company	7.	Customs-related	17.	Quality control and		distributors	41.	Insurance for machinery	64.	Technical support for
	registration		services		standards	32.	Sea transport	42.	Insurance for staff		customers
	and licensing	8.	Quality		compliance		of vehicles to	43.	Business and management	65.	Information services
	services		inspection	18.	Cleaning services of		distributors		consultancy services		for customers
3.	Information		services of		factory	33.	Retail trade	44.	Company secretary	66.	Satellite services for
	and statistical		inputs	19.	Engineering Services		services - By	45.	Corporate communications,		remote monitoring
_	services	9.	Freight	20.	Gardening services		distributors	46.	Courier, postal and local delivery	67.	Data center services
4.	Visa and		transportation	0.4	for factory lawn	34.	Retail services	47	services		for remote
	immigration		services of raw	21.	Security guards		on a fee or	47.	Estate management	<b>,</b> 0	monitoring
5.	services Business	10.	materials Fleets repair and	22.	services Sewage water	35.	contract bases Retail	48. 49.	Human resources management Personnel search and referral	68.	Ground radio communication
5.	establishment	10.	maintenance	22.	treatment services	35.	operation	47.	services		services for remote
	consultants	11.	Storage -	23.	Equipment		management	50.	I.T maintenance and support		monitoring
	consultants	11.	general storage	20.	maintenance	36.	Storage and	51.	Safety and security	69.	Global Positioning
		12.	Storage – tank	24.	Waste collection and	00.	warehousing	52.	Telecommunication	٥,,	System (GPS) services
			farm		recycling		services for	53.	Uniform -Design and alternation	70.	Repair and
		13.	Conception and	25.	Government safety/		machineries	54.	Uniform -Laundry		maintenance of
			design of		environmental		at distributors	55.	Legal services		machines for
			product		inspection	37.	Hire	56.	Advertisement administration		customers
		14.	Patent	26.	Catering services		purchases and	57.	Advertisement agencies services	71.	Buy back services to
			acquisition	27.	Workers' dormitory		financing	58.	Advertisement designers' services		buy used parts and
		15.	Product	28.	Medical services		services for	59.	Advertisement – cameramen,		machines from
			development/	29.	Recreation facilities		customers		directors, photographers and		customers
			R&D for new		and services for				models.	72.	Remanufacturing and
			technology	00	workers			60.	Electricity supply		refurbished services
				30.	Employees			61.	Gas supply		
					transportation services			62.	Water supply		

### Numerous services enter the value chain



# **END**