



'Industry Regulation, Structure & Contribution to Social Economic Development'



Thomas SIM



Chairman, FIATA-ABVT

Director - The Logistics Academy (TLA)

Dy Chairman - Singapore Logistics Association (SLA)

Chairman, FIATA Foundation Vocational Training Management Committee (FFVT)

SkillsFuture Fellow@SG



Regional Logistics Expo 2019 Sheraton Kampala Hotel 21st to 22nd Aug 2019 (Thomas SIM)

Let's Look at:

“What is Competitiveness ?”

(World Economic Forum) - 02:50mins

Prepared & edited by Thomas Sim – Aug 2019



Competitiveness

- ✓ **Countries creates the best Economic, Social and Environmental conditions for economic developments**
- ✓ **Provides the frame work to quantify challenges**
- ✓ **Is a tool and objective of economic policies..**
- ✓ **Reports How countries compete on a global scale**
- ✓ **Benchmark each nations' performances..**



IMD World Competitiveness Ranking 2019



30th ANNIVERSARY
IMD WORLD
COMPETITIVENESS CENTER

**Macro
Economic
Performances**

**Human
Capital**

**Business
Efficiency**



**Government
Efficiency**

**Physical &
Scientific
Resources**

**Infrastructure
Developments**



IMD World Competitiveness Ranking 2019



WORLD COMPETITIVENESS RANKING 2019	
	1 _____ Singapore
	2 _____ Hong Kong SAR
	3 _____ USA

World Digital Ranking 2018	
	1 _____ USA
	2 _____ Singapore
	3 _____ Sweden

World Talent Ranking 2018	
	1 _____ Switzerland
	2 _____ Denmark
	3 _____ Norway



IMD World Competitiveness Ranking 2019



✓ **62 countries assessed**

✓ **Over 340 criteria to measure**

✓ **Recognize the factors that facilitate prosperity**

IMD World Competitiveness ranking 2019
One Year Change

2019	Country	2018	Change
1	Singapore	3	+2 ↑
2	Hong Kong SAR	2	- -
3	USA	1	-2 ↓
4	Switzerland	5	+1 ↑
5	UAE	7	+2 ↑
6	Netherlands	4	-2 ↓
7	Ireland	12	+5 ↑
8	Denmark	6	-2 ↓
9	Sweden	9	- -
10	Qatar	14	+4 ↑
11	Norway	8	-3 ↓
12	Luxembourg	11	-1 ↓



Let's Look at:

“The IMD World Competitiveness Centre”

(IMD) - 04:10mins

Prepared & edited by Thomas Sim – Aug 2019





THE WORLD BANK
Working for a World Free of Poverty

- The LPI is an interactive benchmarking tool created to help countries identify the challenges and opportunities they face in their performance on trade logistics and what they can do to improve their performance, over 160 countries
- The LPI 2018 allows for comparisons across 160 countries, measured every 2 years...



LPI measures 6 dimensions of Country Performance in Supply Chain Service Delivery:



THE WORLD BANK
Working for a World Free of Poverty

1. Efficiency of the clearance process (incl. **Customs**)

6. **Timeliness** of shipment delivery

2. Quality of trade and transport **Infrastructure**

Supply Chain Service Delivery

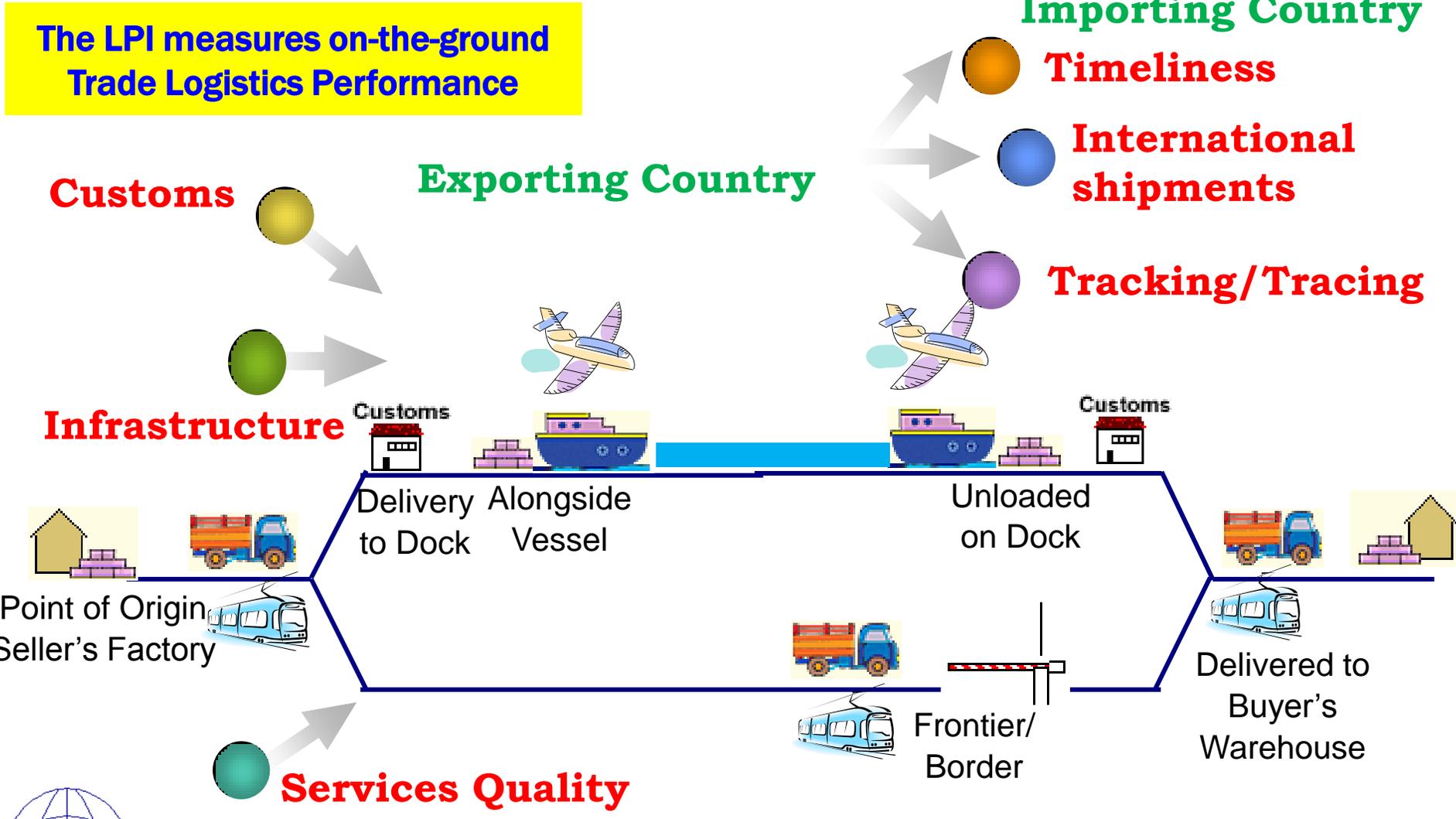
5. Ability to **Track and Trace** consignments

3. Ease of arranging competitively priced **International Shipments**

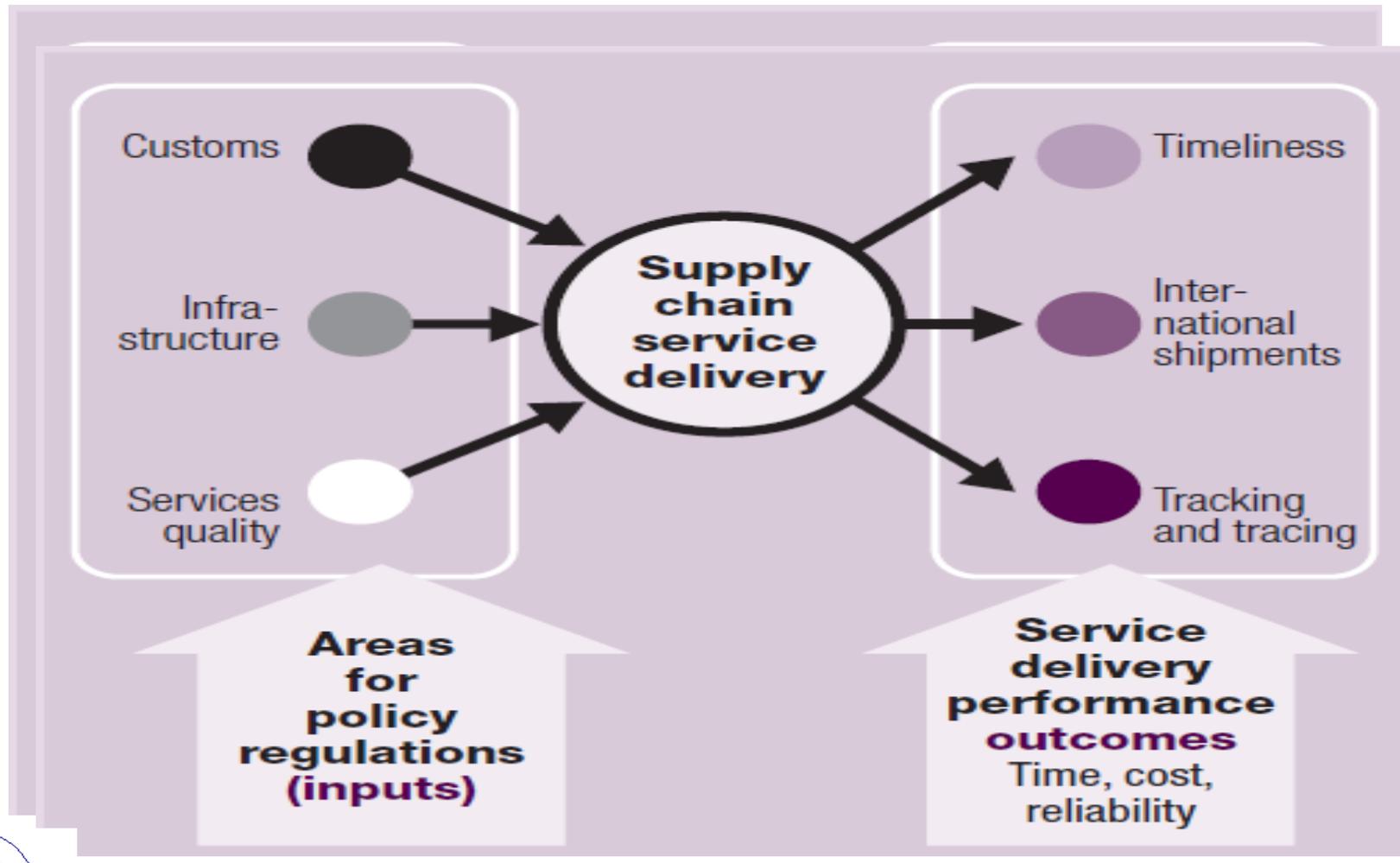
4. Competence and **Quality of logistics services**



World Bank LPI Measurement Tools



Input and Outcome Indicators in the LPI



Let's Look at:

“World Bank on Trade Facilitation?”

(World Bank)

- 01:45mins

Prepared & edited by Thomas Sim – Aug 2019



World Bank's Logistics Performance Index (LPI)



Country	Year	LPI Rank	LPI Score	Customs ?	Infrastructure ?	International shipments ?	Logistics competence ?	Tracking & tracing ?	Timeliness ?
Germany	2018	1	4.20	4.09	4.37	3.86	4.31	4.24	4.39
Sweden	2018	2	4.05	4.05	4.24	3.92	3.98	3.88	4.28
Belgium	2018	3	4.04	3.66	3.98	3.99	4.13	4.05	4.41
Austria	2018	4	4.03	3.71	4.18	3.88	4.08	4.09	4.25
Japan	2018	5	4.03	3.99	4.25	3.59	4.09	4.05	4.25
Netherlands	2018	6	4.02	3.92	4.21	3.68	4.09	4.02	4.25
Singapore	2018	7	4.00	3.89	4.06	3.58	4.10	4.08	4.32
Denmark	2018	8	3.99	3.92	3.96	3.53	4.01	4.18	4.41
United Kingdom	2018	9	3.99	3.77	4.03	3.67	4.05	4.11	4.33
Finland	2018	10	3.97	3.82	4.00	3.56	3.89	4.32	4.28
United Arab Emirates	2018	11	3.96	3.63	4.02	3.85	3.92	3.96	4.38
Hong Kong, China	2018	12	3.92	3.81	3.97	3.77	3.93	3.92	4.14
Switzerland	2018	13	3.90	3.63	4.02	3.51	3.97	4.10	4.24
United States	2018	14	3.89	3.78	4.05	3.51	3.87	4.09	4.08
Canada	2018	15	3.88	3.71	3.99	3.43	4.02	3.92	4.26



World Bank's Logistics Performance Index (LPI)



Country	Year	LPI Rank	LPI Score	Customs ?	Infrastructure ?	International shipments ?	Logistics competence ?	Tracking & tracing ?	Timeliness ?
Cameroon	2018	95	2.60	2.46	2.57	2.87	2.60	2.47	2.57
Mali	2018	96	2.59	2.15	2.30	2.70	2.45	3.08	2.83
Malawi	2018	97	2.59	2.43	2.18	2.55	2.68	2.67	2.97
Cambodia	2018	98	2.58	2.37	2.14	2.79	2.41	2.52	3.16
Uzbekistan	2018	99	2.58	2.10	2.57	2.42	2.59	2.71	3.09
Bangladesh	2018	100	2.58	2.30	2.39	2.56	2.48	2.79	2.92
El Salvador	2018	101	2.58	2.30	2.25	2.71	2.56	2.47	3.10
Uganda	2018	102	2.58	2.61	2.19	2.76	2.50	2.41	2.90
Belarus	2018	103	2.57	2.35	2.44	2.31	2.64	2.54	3.18
Solomon Islands	2018	104	2.57	2.77	2.21	2.20	2.73	2.37	3.12
Tunisia	2018	105	2.57	2.38	2.10	2.50	2.30	2.86	3.24
Ghana	2018	106	2.57	2.45	2.44	2.53	2.51	2.57	2.87
Comoros	2018	107	2.56	2.62	2.25	2.49	2.21	2.93	2.80
Kyrgyz Republic	2018	108	2.55	2.75	2.38	2.22	2.36	2.64	2.94
Morocco	2018	109	2.54	2.33	2.43	2.58	2.49	2.51	2.88
Nigeria	2018	110	2.53	1.97	2.56	2.52	2.40	2.68	3.07
Zambia	2018	111	2.53	2.18	2.30	3.05	2.48	1.98	3.05

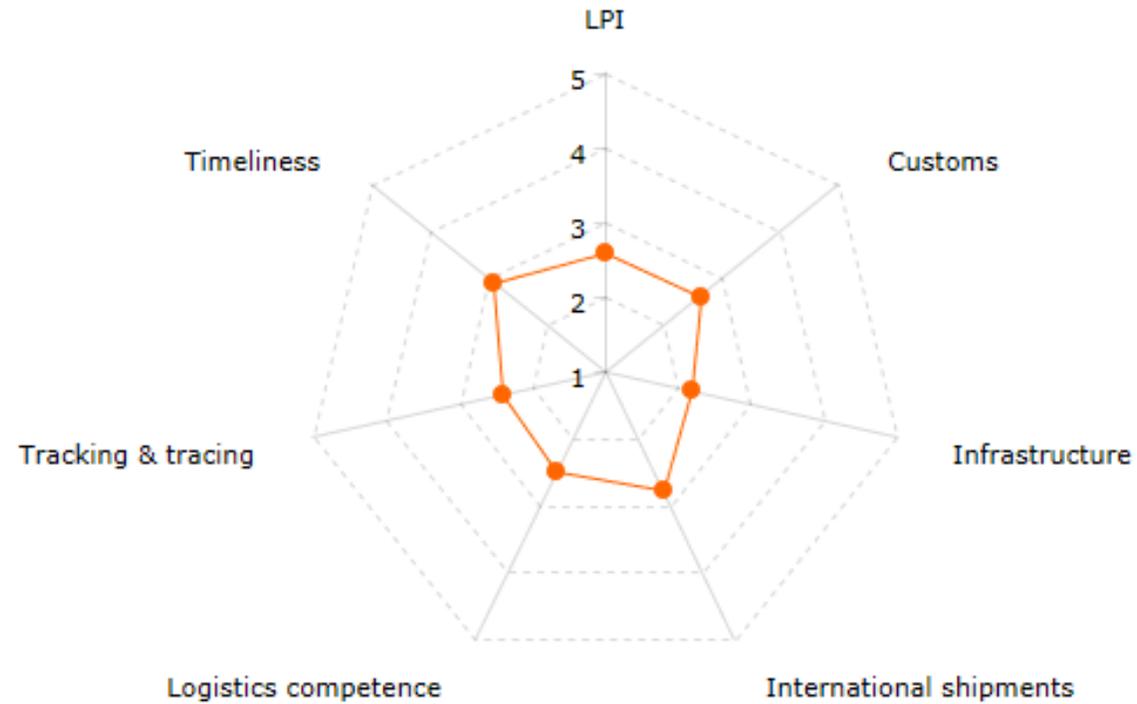


World Bank's Logistics Performance Index (LPI)

Radar Column Line

chart by amcharts.com

Uganda 2018



Uganda 2018



World Bank's Logistics Performance Index (LPI)



Country	Year	LPI Rank	LPI Score	Customs ?	Infrastructure ?	International shipments ?	Logistics competence ?	Tracking & tracing ?	Timeliness ?
Uganda	2018	102	2.58	2.61	2.19	2.76	2.50	2.41	2.90

Country	Year	LPI Rank	LPI Score	Customs ?	Infrastructure ?	International shipments ?	Logistics competence ?	Tracking & tracing ?	Timeliness ?
South Africa	2018	33	3.38	3.17	3.19	3.51	3.19	3.41	3.74
Uganda	2018	102	2.58	2.61	2.19	2.76	2.50	2.41	2.90

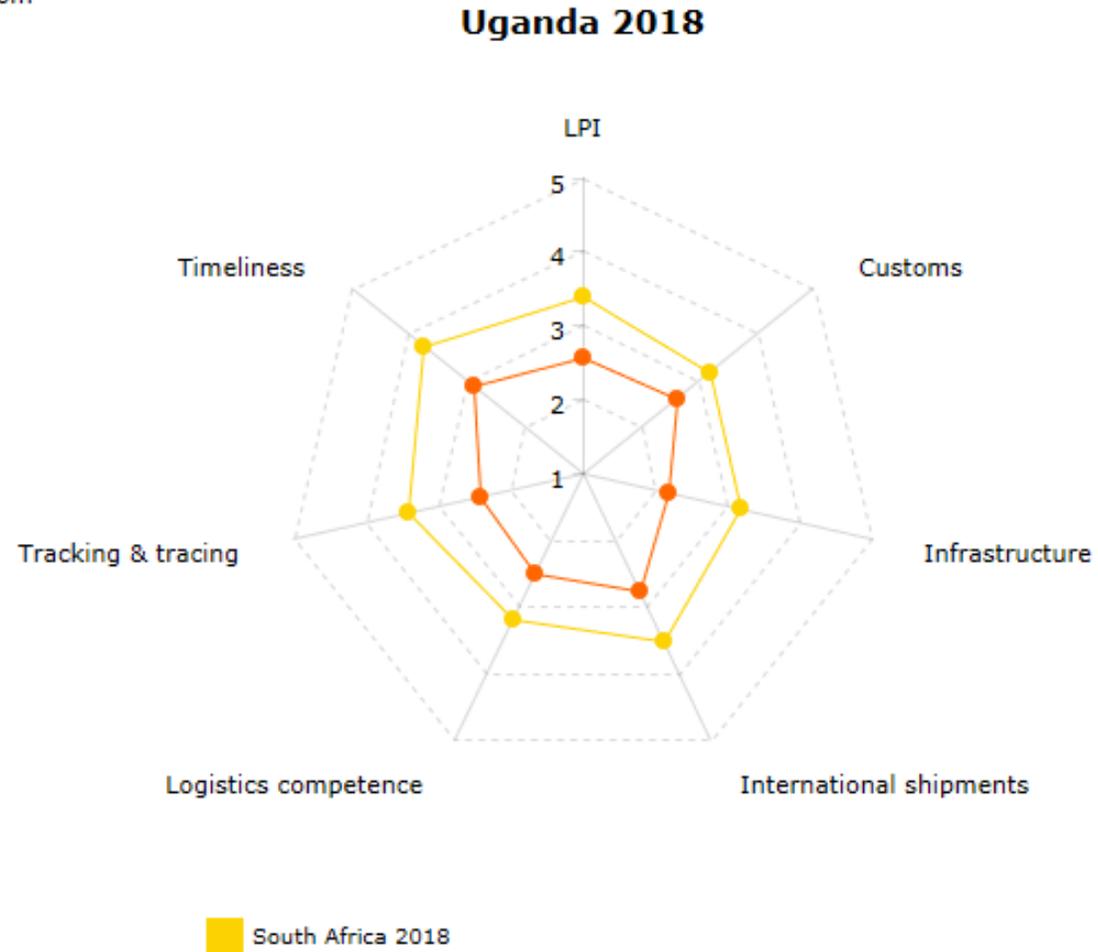
Country	Year	LPI Rank	LPI Score	Customs ?	Infrastructure ?	International shipments ?	Logistics competence ?	Tracking & tracing ?	Timeliness ?
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World Bank's Logistics Performance Index (LPI)

Radar Column Line

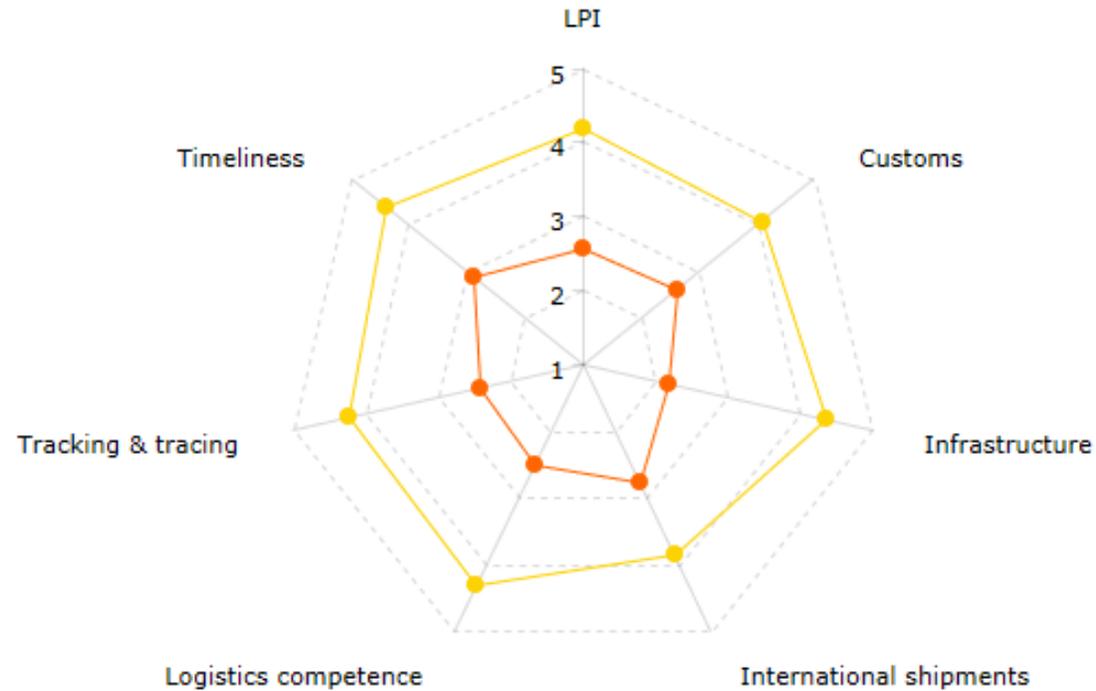
chart by amcharts.com



World Bank's Logistics Performance Index (LPI)

Radar Column Line
chart by amcharts.com

Uganda 2018



Uganda 2018

Germany 2018



Uganda's LPI – from 2007 to 2018

Country	Year	LPI Rank	LPI Score	Customs ?	Infrastructure ?	International shipments ?	Logistics competence ?	Tracking & tracing ?	Timeliness ?
Uganda	2016	58	3.04	2.97	2.74	2.88	2.93	3.01	3.70
Uganda	2010	66	2.82	2.84	2.35	3.02	2.59	2.45	3.52
Uganda	2018	102	2.58	2.61	2.19	2.76	2.50	2.41	2.90
Uganda	2007	83	2.49	2.21	2.17	2.42	2.55	2.33	3.29



Let's Look at:

“World Bank Report – Uganda 2010”

(World Bank) - 01:02mins

Prepared & edited by Thomas Sim – Aug 2019

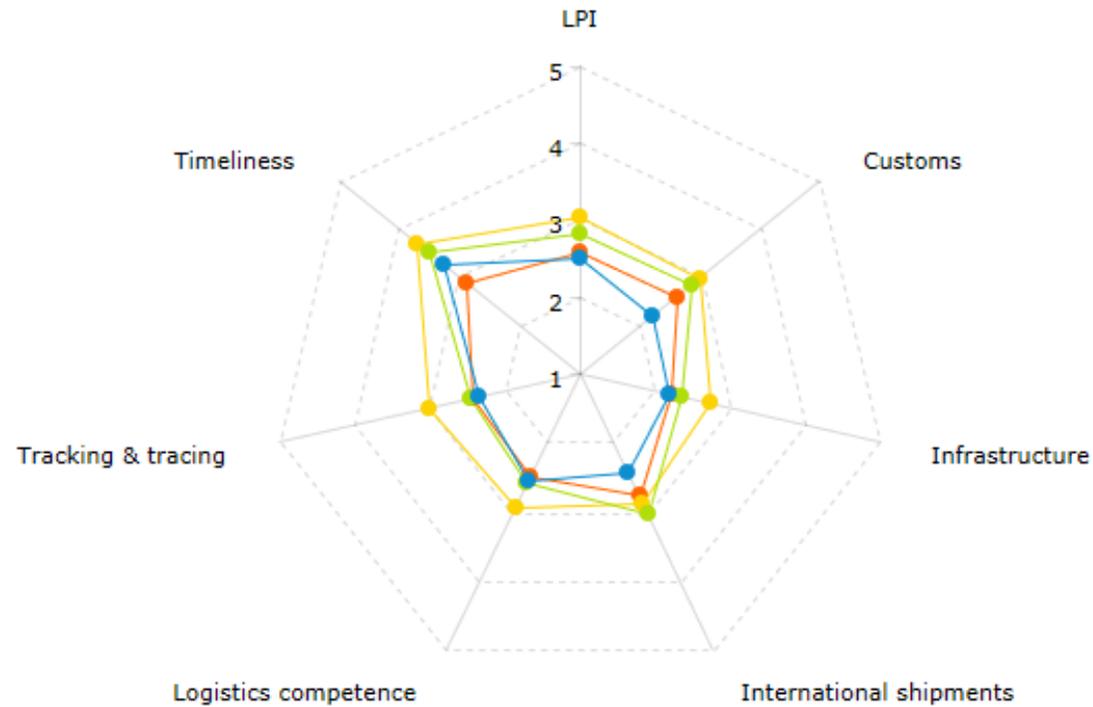


World Bank's Logistics Performance Index (LPI)

Radar Column Line

chart by amcharts.com

Uganda 2018



Uganda 2018

Uganda 2016

Uganda 2010

Uganda 2007



World Bank's Logistics Performance Index (LPI)





Let's Look at:

“The Human Capital Report”

(World Bank) 03:01mins

Prepared & edited by Thomas Sim – Aug 2019



Human Capital

- ✓ is the stock of habits, knowledge, social and personality attributes embodied in the ability to perform labour so as to produce economic value.
- ✓ is unique and differs from any other capital.
- ✓ is needed for companies to achieve goals, develop and remain innovative. Companies can invest in human capital through education and training enabling improved levels of quality & production.



Human Capital Index (HCI)

- ✓ designed to highlight how improvements in current health and education outcomes shape the productivity of the next generation of workers, assuming that children born today experience over the next 18 years the educational opportunities and health risks that children in this age range currently face.



Human Capital Index 2018

https://www.photius.com/rankings/human_capital_index_country_rankings_2018.html

SOURCE: The World Bank

GEOGRAPHICAL NAMES



The Human Capital Index quantifies the contribution of health and education to the productivity of the next generation of workers.

Rank	Country	Score
1	Singapore	0.88
2	Japan	0.84
3	Korea, South	0.84
4	Hong Kong SAR, China	0.82
5	Finland	0.81
6	Ireland	0.81
7	Australia	0.80
8	Canada	0.80
9	Netherlands	0.80
10	Sweden	0.80
11	Austria	0.79
12	Germany	0.79



130	Tanzania	0.40
131	Zambia	0.40
132	Afghanistan	0.39
133	Cameroon	0.39
134	Pakistan	0.39
135	Burundi	0.38
136	Ethiopia	0.38
137	Papua New Guinea	0.38
138	Sudan	0.38
139	Uganda	0.38
140	Burkina Faso	0.37
141	Congo, Dem. Rep.	0.37
142	Guinea	0.37
143	Lesotho	0.37
144	Madagascar	0.37
145	Rwanda	0.37
146	Yemen	0.37
147	Angola	0.36
148	Mozambique	0.36



Let's Look at:

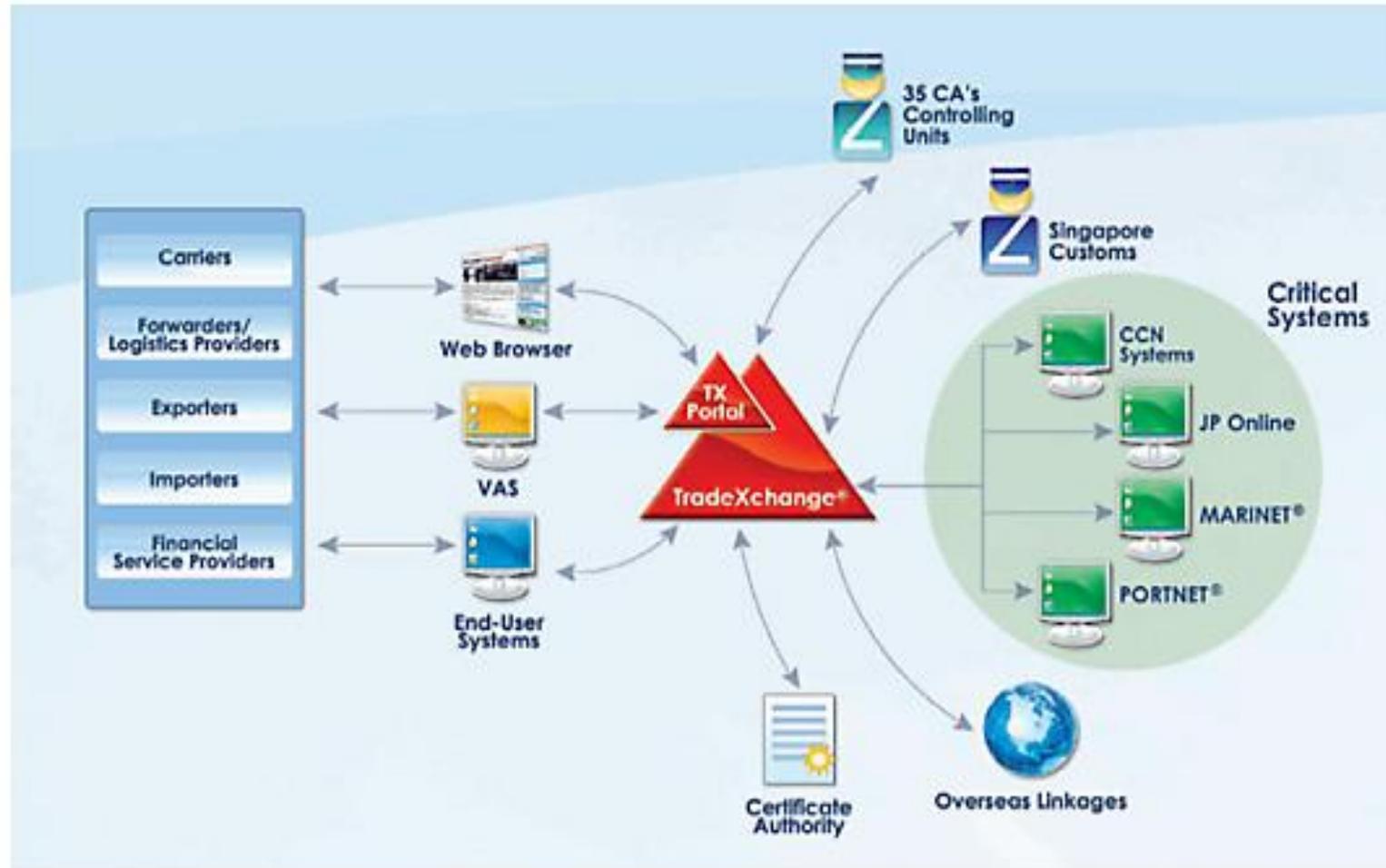
“TradeXchange”

(Singapore Customs) - 06:10mins

Prepared & edited by Thomas Sim – Aug 2019



Singapore's National Single Window



Singapore's National Single Window

Introduction to the NTP: Overview

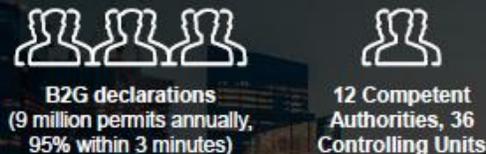
SINGAPORE HAS ALWAYS BEEN ADAPTING TO THE CHANGING BUSINESS AND TECHNOLOGICAL LANDSCAPE IN ORDER TO RETAIN OUR COMPETITIVE EDGE



AS-IS: TradeNet and TradeXchange are bundled under the same Public-Private Partnership (PPP) contract which is expiring

TO-BE: The NTP as a one-stop national trade info-ecosystem fully owned by Customs

BUSINESS TO GOVERNMENT



TRADENET (TN)
1989: Singapore's National Single Window, containing WOG regulatory trade declaration processing requirements

BUSINESS TO BUSINESS



TRADEXCHANGE (TX)
2007: National Integrated IT Platform to integrate trade and logistics IT systems for sea, air, land and government



* Partners & Networks and Developer Zone are new features



<https://www.ntp.gov.sg/public/government-services>

Singapore's National Single Window



Introduction to the NTP: Overview

NTP WILL BE A SINGLE INTEGRATED NATIONAL TRADE INFO-ECOSYSTEM THAT COORDINATES AND FACILITATES TRADE AND INFORMATION SHARING



Widest range of trade-related services

- Single window to all Singapore trade regulatory agencies
- Linked to **other trade-related platforms** – Portnet, e-freight, Cargo Community Network (CCN)
- **End-to-end connections** to shippers, logistics providers, carriers, banks and insurers
- Single point of integration for corporates to access all service needed for trade



Maximise **reuse of digitised data** to cut costs & streamline processes



<https://www.ntp.gov.sg/public/government-services>





Networked Trade Platform

THE VISION

A **national** trade info-ecosystem that provides the **foundation** for Singapore to be the world's **leading** trade, supply chain and trade financing hub



Singapore's National Single Window



Introduction to the NTP: Overview

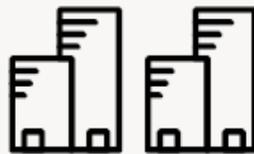
WE COLLABORATE WITH STAKEHOLDERS TO ENSURE THAT THE NTP IS BUILT FOR THE INDUSTRY, BY THE INDUSTRY

So far, we have had face-to-face engagements with...



409
individuals

representing



202
organisations



End Users
59%

VAS Providers /
Developers
21%

Agencies / Trade
Associations
20%



Over **40 interviews** to understand industry challenges and opportunities



5 Ideation Workshops to identify common challenges and brainstorm conceptual solutions, followed by...

2 Applied Innovation Workshops to prioritise and assess viability of potential solutions



Over **20 Usability Feedback Sessions** to gather feedback on our initial web portal design



2 Focus Group Discussions to validate key preliminary platform capabilities



7 Eye Tracking Sessions to validate user behaviour and expectations of the web portal

<https://www.ntp.gov.sg/public/government-services>



Singapore's National Single Window



Illustrative

NTP Features & Services: Functionalities

INTRODUCING THE NATIONAL TRADE PLATFORM

NTP Homepage (pre-login)

The screenshot shows the NTP homepage with a navigation bar at the top containing 'Get Started', 'Data Tools & VAS', 'Government Services', 'News', and 'Support'. A search bar and 'Sign In / Register' link are also present. The main content area features a large banner titled 'MANAGE YOUR DOCUMENTS DIGITALLY' with a 'FIND OUT MORE' button. Below the banner are three columns: 'Data Tools & VAS', 'Partners & Networks', and 'Government Services', each with a brief description and a 'Discover Our Features' section at the bottom containing two feature cards: 'Discover Business Partners On NTP' and 'Explore Value-Added Services'.

NTP Dashboard (post-login)

The screenshot shows the NTP dashboard for a user named Nathan Peters. The navigation bar includes 'Business Account', 'Data Tools & VAS', 'Government Services', 'Partners & Networks', 'News', and 'Support'. The dashboard displays a welcome message, a profile picture, and a 'Sign Out' button. There are two status boxes: 'Outstanding tasks: 82' and 'Notifications: 0'. Below these are six icons representing different dashboard functions: 'Explore VAS', 'Search Business Partners Registered On NTP', 'Manage Data Repository', 'View Online Guides', 'Browse FAQs', and 'Submit Feedback'.

NTP is now online with some functions available. More functions will be rolled out progressively thereafter.

<https://www.ntp.gov.sg/public/government-services>

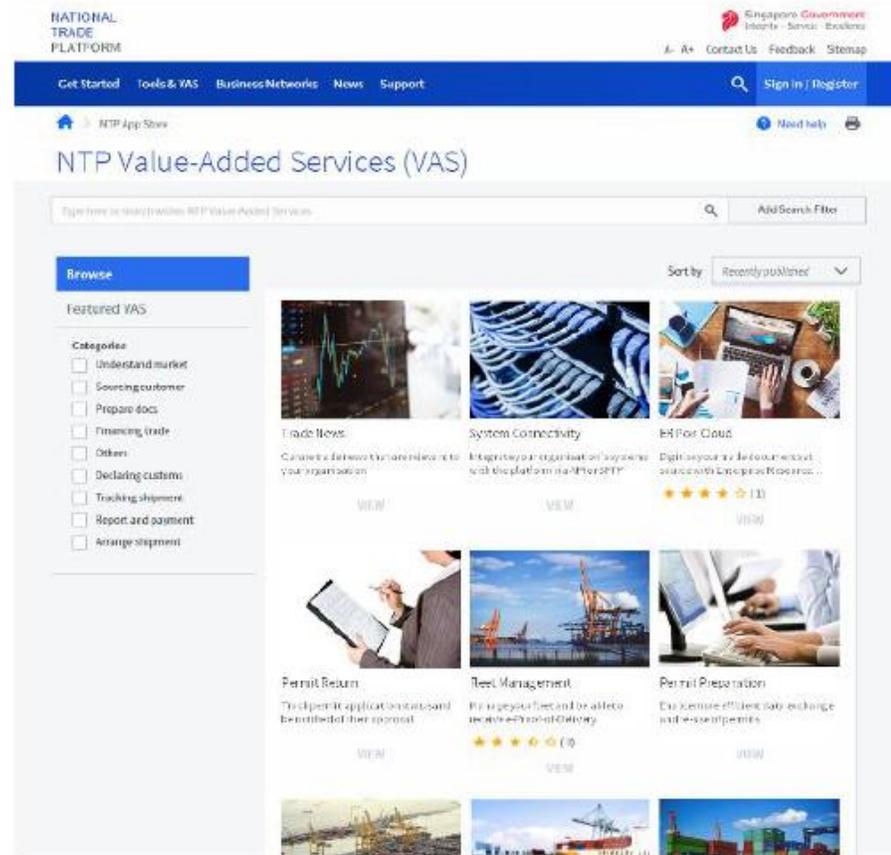


Singapore's National Single Window



NTP Features & Services: Functionalities

CONVENIENTLY BROWSE AND SUBSCRIBE TO VALUE-ADDED SERVICES THROUGH THE NTP VAS LISTING



Illustrative

© 2018 Singapore Customs



<https://www.ntp.gov.sg/public/government-services>

Singapore's National Single Window



NTP Features & Services: Functionalities

THE NTP WILL PROVIDE ENHANCED EXISTING FUNCTIONS AND INTRODUCE NEW ONES ON A SINGLE INTEGRATED PLATFORM

<h3>DATA TOOLS & VAS</h3> <p>NEW!</p> <ul style="list-style-type: none">Company DashboardData RepositoryDigital Trade ConnectivityDocument Data ConversionPermit ReturnSingle Sign On (SSO)MessagesTasks & NotificationsTrade Documents DigitisationDocument TaggingShared DocumentsValue-Added Services	<h3>GOVERNMENT SERVICES</h3> <p>ENHANCED!</p> <ul style="list-style-type: none">Advanced HS Code SearchCustoms Advice ApplicationsDeclaration and Permit ManagementInventory ManagementSchemes and Licences ManagementTrade Registration and Management
<h3>PARTNERS & NETWORKS</h3> <ul style="list-style-type: none">ForumsCommunitiesBlogsSearch Business PartnerOpportunities	<h3>DEVELOPER ZONE</h3> <p>NEW!</p> <ul style="list-style-type: none">APIsDeveloper Services CataloguePaaS

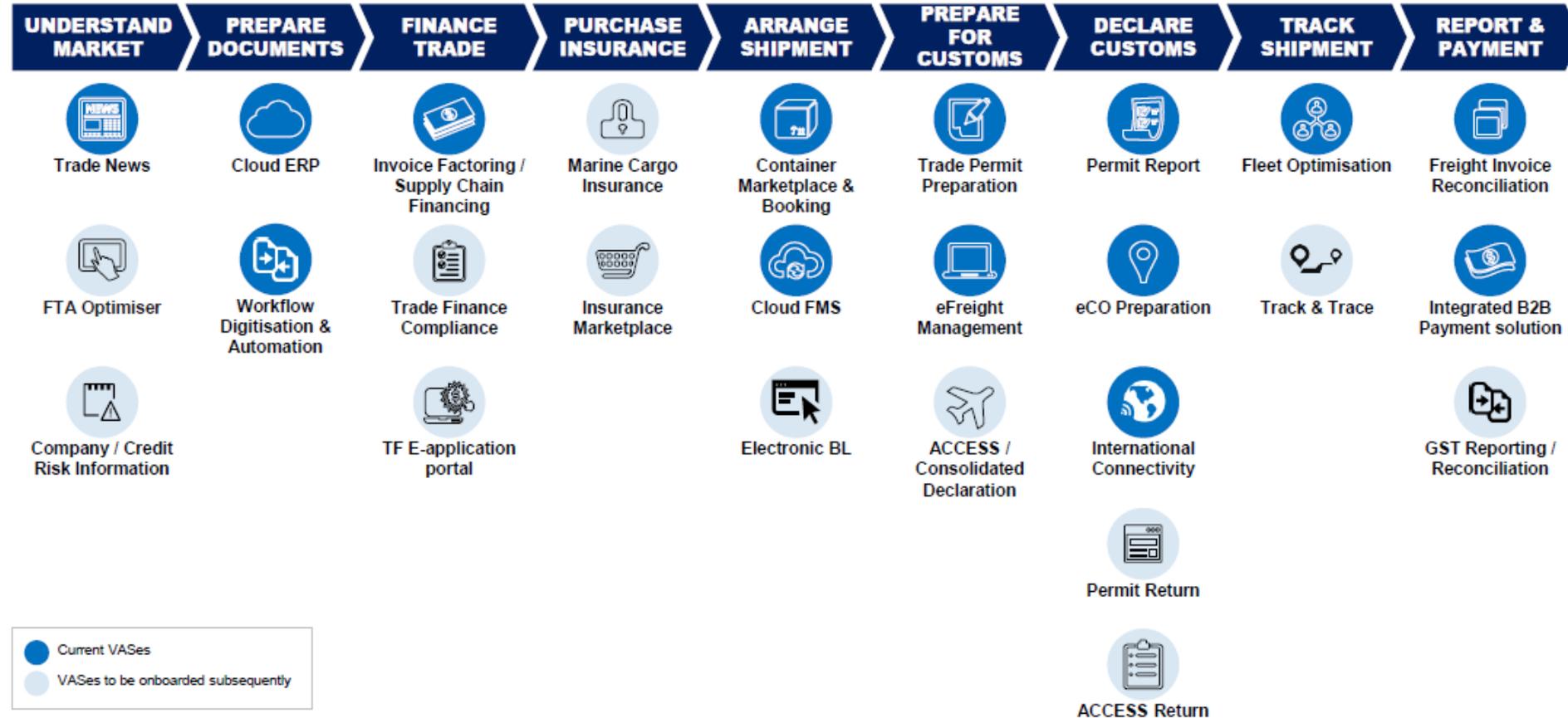
<https://www.ntp.gov.sg/public/government-services>



Singapore's National Single Window

NTP Features & Services: Value-Added Services

SUITE OF VALUE-ADDED SERVICES WHICH ARE PRIORITISED FOR ONBOARDING TO THE NTP



 Current VASes
 VASes to be onboarded subsequently

<https://www.ntp.gov.sg/public/government-services>

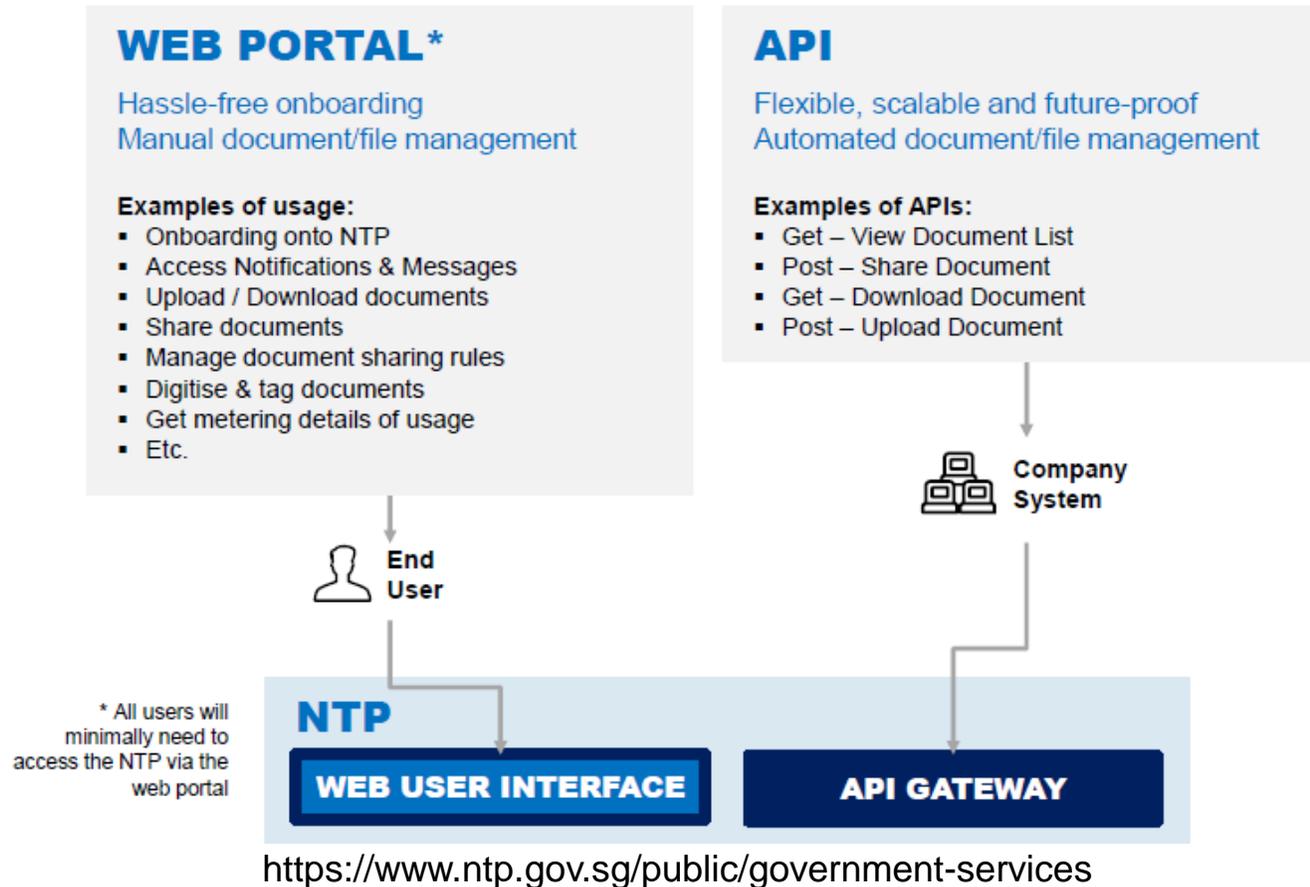


Singapore's National Single Window



Onboarding the NTP: What it means for SLA & its members

CONNECTING WITH THE NTP: API, AND THROUGH THE WEB



Singapore's National Single Window



Onboarding the NTP: What it means for SLA & its members

TODAY'S GLOBAL TRADE PROCESSES HAS SEVERAL CHALLENGES



1
Difficult to find new customers and business opportunities

2
Inefficient data sharing process (via hardcopy, call, email)

3
Tedious manual processes, hardcopy forms and repeated data entry

4
Difficult to find reliable and trusted digital services and providers

5
Complex connections to access digital services on different platforms

6
Lack of a consolidated view of trade activities



<https://www.ntp.gov.sg/public/government-services>

Singapore's National Single Window



Onboarding the NTP: What it means for SLA & its members

THE NTP IMPROVES TRADE PROCESSES FOR LSP & TRADERS



1
Difficult to find new customers and business opportunities

Source for new business opportunities and connect with them in real-time



2
Inefficient data sharing process (via hardcopy, call, email)

Digitise documents and automate the sharing process with supply chain partners



3
Tedious manual processes, hardcopy forms and repeated data entry

Streamline existing processes and improve productivity through data re-use and integration with B2G services



4
Difficult to find reliable and trusted digital services and providers

Logistics SMEs can subscribe to a curated list of VASes and apply for WOG Productivity Grant



5
Complex connections to access digital services on different platforms

Convenience with seamless connectivity through a single sign-on with B2B platforms and B2G services



6
Lack of a consolidated view of trade activities

Improve supply chain with the benefits of a trade ecosystem and easier shipment coordination



<https://www.ntp.gov.sg/public/government-services>



Singapore's National Single Window



Onboarding the NTP: What it means for SLA & its members

INTEGRATION WITH NTP WILL ENABLE MULTIPLE AREAS OF COLLABORATION

Leverage on a shared network

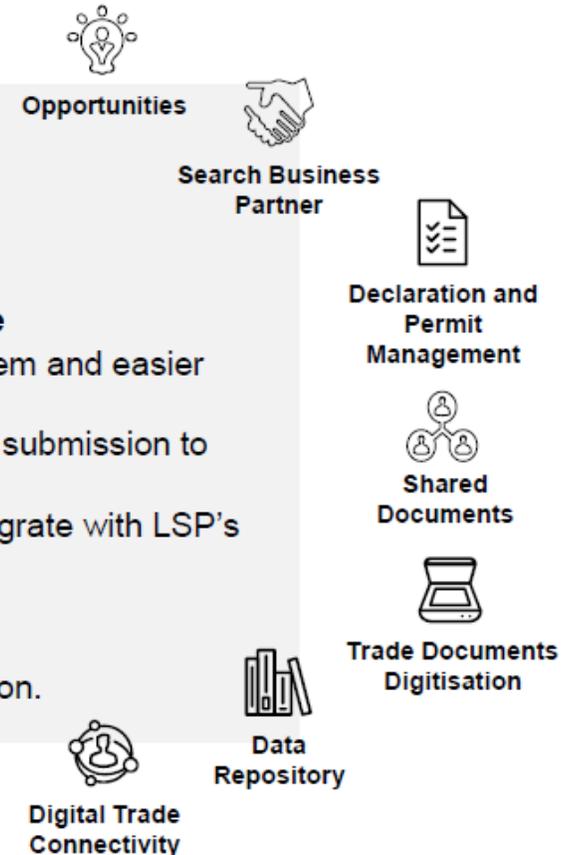
- Opportunity for platform-to-platform integration
- Retain company branding for services offered on NTP
- Potential for new business opportunities

Improve Productivity and Customer Experience

- Customers experience the benefits of a trade ecosystem and easier shipment coordination
- Data Repository facilitates data sharing and simplifies submission to trade-related platforms
- Enable data reuse by extracting data from NTP to integrate with LSP's system, streamline existing procedures

Improve LSP Performance

- Data Repository facilitates manifest-permit reconciliation.



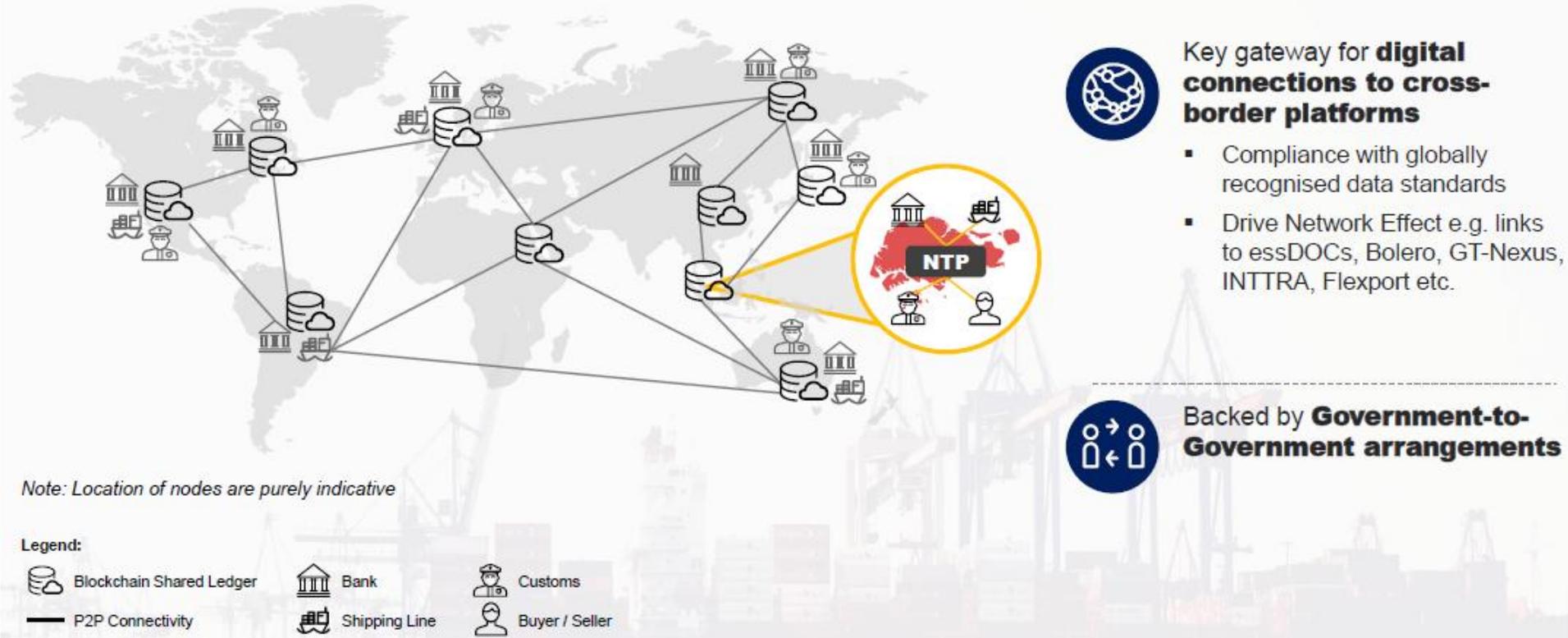
<https://www.ntp.gov.sg/public/government-services>



Singapore's National Single Window



THE NTP AS THE KEY GATEWAY TO THE WORLD THROUGH DIGITAL CONNECTIONS TO CROSS-BORDER PLATFORMS AND G2G BILATERAL ARRANGEMENTS



<https://www.ntp.gov.sg/public/government-services>



Barriers

- Poor physical infrastructure
- Last mile connectivity
- Out-dated institutional practices
- Time-consuming and burdensome inspections
- Rules/regulations which are:
 - Arbitrary
 - Discriminatory
 - Obsolete
- Low-level skills

Enablers

- Good physical Infrastructure
- Swift Cargo Clearance
- Swift Customs Clearance
- Business-friendly Regulatory environment
- Capacity development: Training & certification
- Rules which are:
 - Simplified
 - Harmonised
 - Standardised



SUCCESS !

- Continuous Close-Collaboration**
- PPP Model**
- Institutional Changes**
- Trade Liberalization**
- Transparency**
- Trade Facilitation**
- Build Human Capital**
- Continuous Infrastructure Development**
- Competitive Dispositions**
- Benchmarking**



In Conclusion....

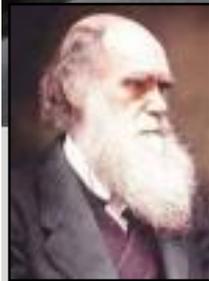
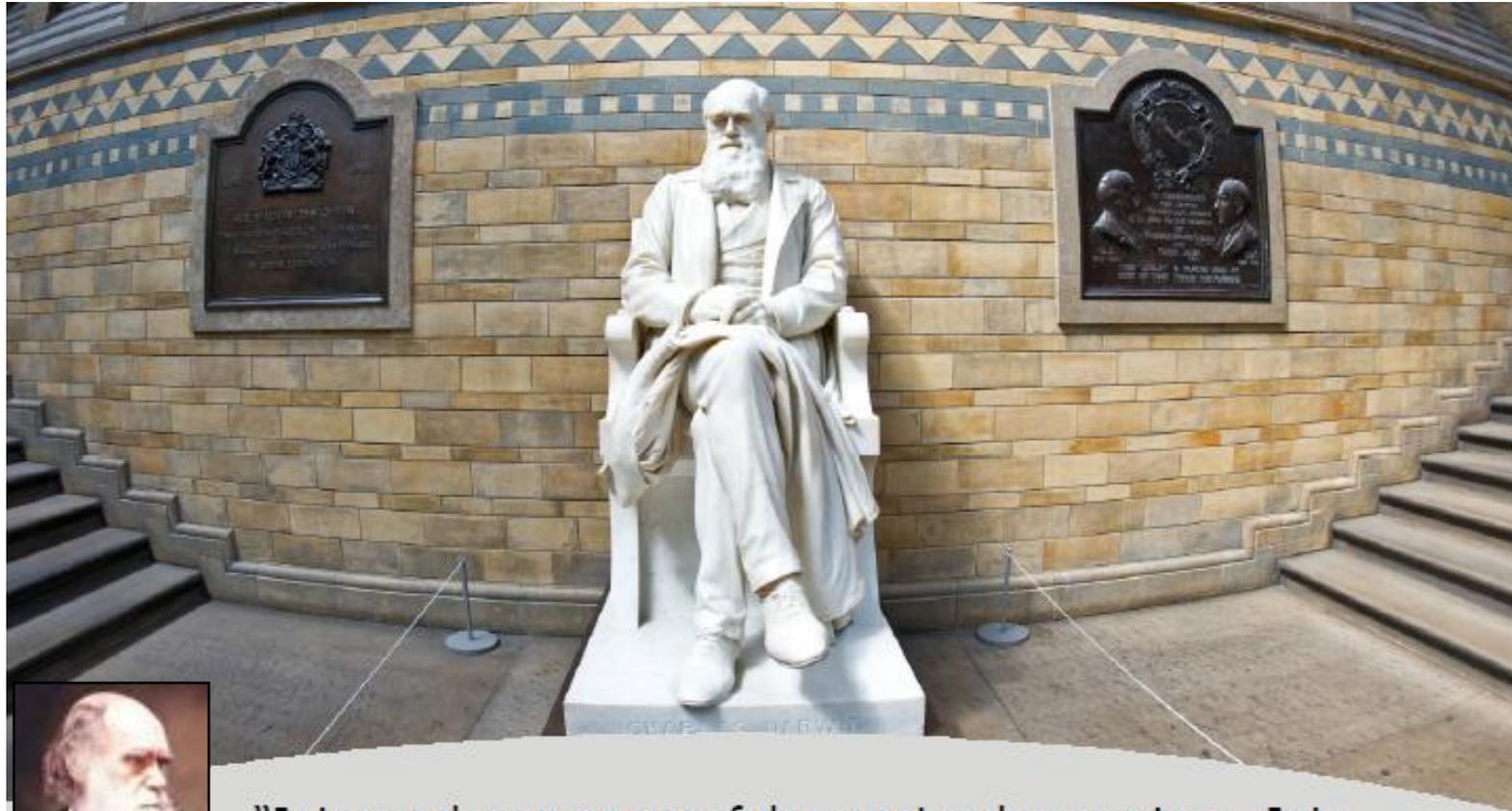
*Thank
You*

Thomas SIM

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In Conclusion....



"It is not the strongest of the species that survives...It is the one that is the most adaptable to change."

Charles Darwin

