



# JFCCT FORUM 2016

## “SERVICES!”

A deep dive into service sector liberalisation, Doing Business improvements, Innovation-led Economy

TUESDAY 28 JUNE | 13:30 – 17:30 | Eastin Hotel, Surasak, Bangkok

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# Digital Economy; Trusted Internet and innovation – the ‘Made in Thailand’ brand

Third Topic Session

Bob Fox, Chair JFCCT ICT

# Big visions; what lies beneath?

Alice in Wonderland: the Red Queen has to run faster and faster just to stand still

The Red Queen effect has become a scientifically based phenomenon, used in business and other areas to describe how running faster and faster and doing more may not achieve the objective.

We must work smarter and in new, collaborative, ways.

“...organisms must constantly adapt, evolve, and proliferate not merely to gain reproductive advantage, but also simply to survive while pitted against ever-evolving opposing organisms in an ever-changing environment....”



Source: John Seely Brown & Lewis Carroll

-see eg. <https://hbr.org/2010/08/six-fundamental-shifts-in-the.html>



# Services & Innovation – how much real substance?

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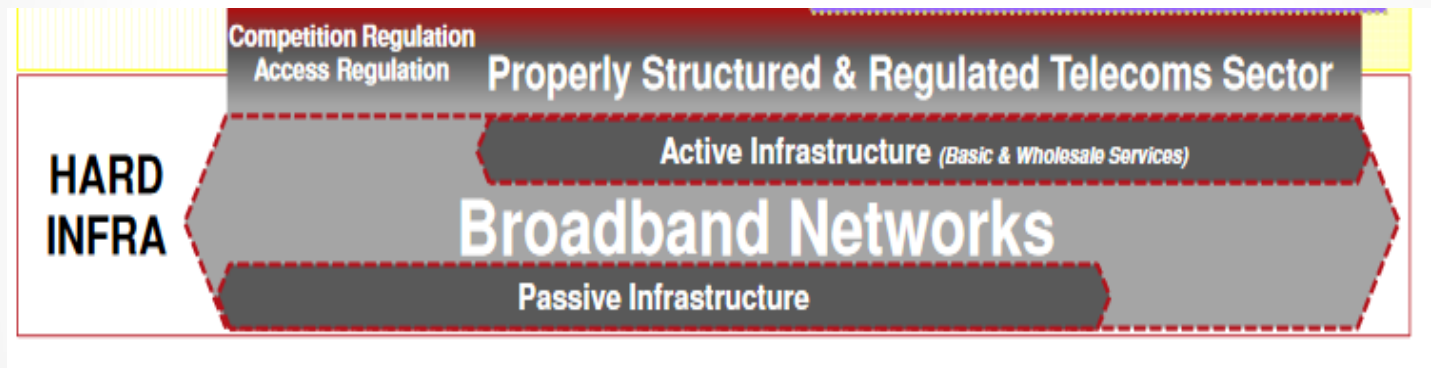
Government around the world are recognizing digital economies. Reforms, change to substance, and change to names.

In the rush to be keep up and try to be an attractive hub.....

....are we creating the appearances but missing some fundamentals?

# Digital Economy layers

Digital Economy works in 3 layers / building blocks;  
base layer:



Digital Economy relies in Telecoms infrastructure (soft and hard)  
(p. 14 FORUM BOOKLET).



# It's a lot about telecoms...

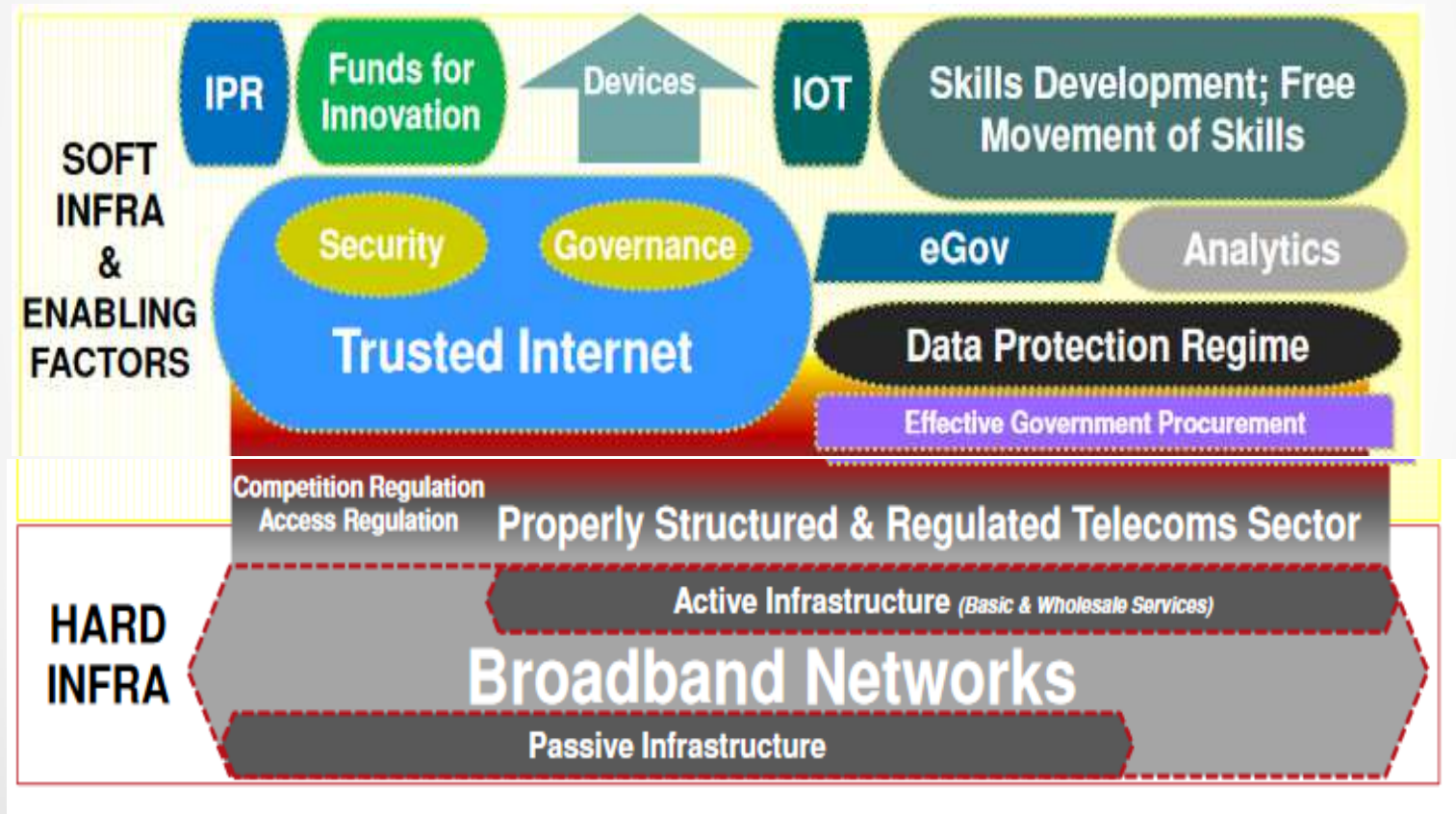
Our telecoms infra (soft and hard) –  
unevolved SOEs have special privileges, market  
distortions:

- lack of regulated wholesale market,
- messy, ad hoc deals due to lack of a clean structure with all operators licensed directly by NBTC.
- Foreign Dominance Notification
- Plan for national broadband backbone to be supplied by an unreformed SOE

see FORUM BOOKLET p 14-15.

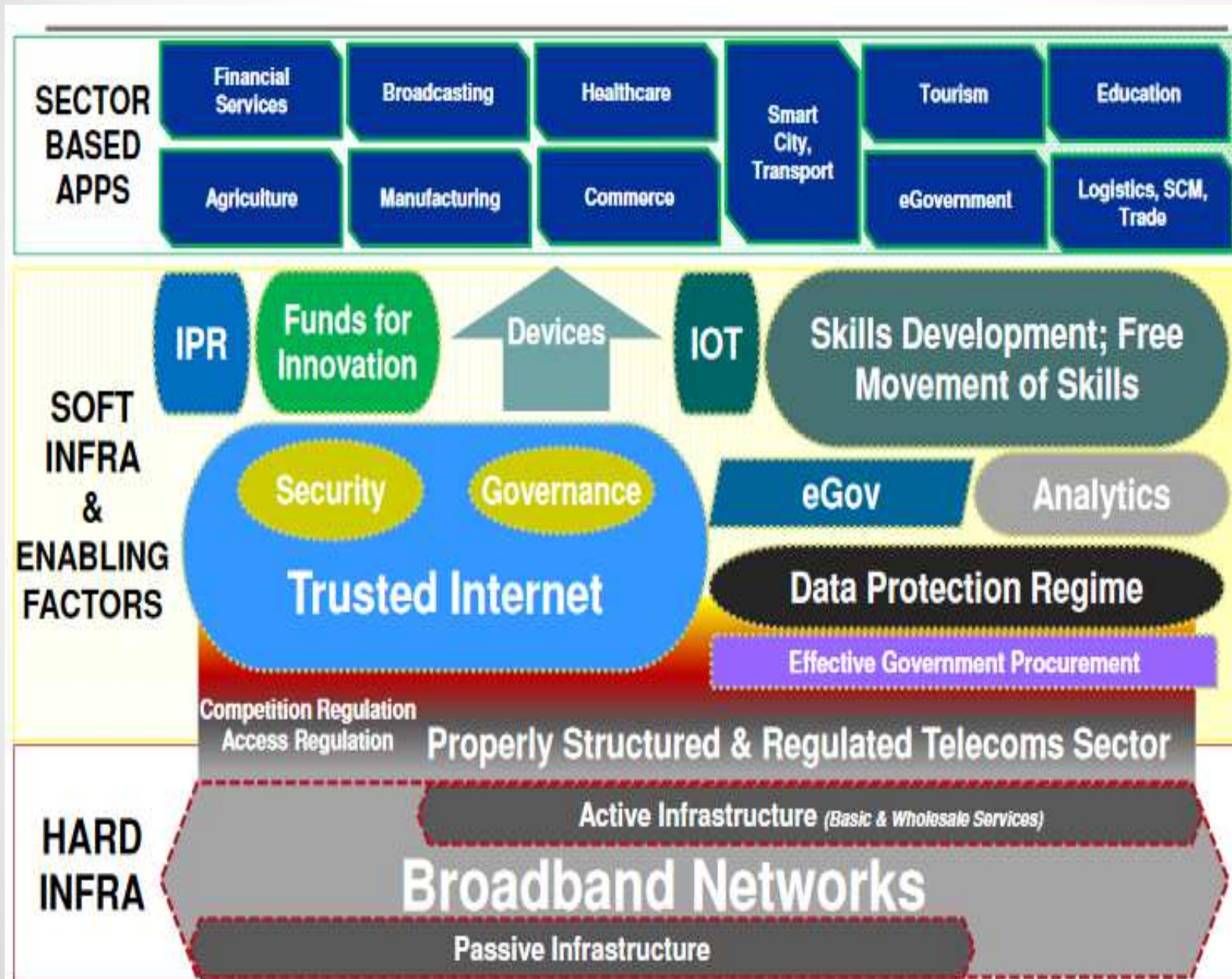
# Digital Economy layers

2<sup>nd</sup> layer added





# Digital Economy layers



All 3 layers



# Digital Economy

The 'digital economy' is all economic activity mediated by software and enabled by telecoms infrastructure.

This includes core telecoms services such as **voice, messaging, data, and video.**

The goods and services within the digital economy can be broadly grouped as:

- **intrinsically digital** – streaming video, ebooks, computing services, Software-as-a-Service, social media (e.g. Facebook, LINE)
- **substitutes for established equipment and services** – virtual private communications networks, security services, virtualised PBXs, and services delivered on-line (e.g. accounting / other business processes, graphic design, software development, Software-as-a-Service, data analytics, knowledge-based outsourcing)
- **marketing, sale, logistics, etc. of physical goods** – e.g. Amazon, eBay, Alibaba, Tarad.com, Pantipmarket

Digital Economy is the means of enabling participation by all in social and economic enterprise, and also includes the role played by governments in developing infrastructure and services.

The definition recognizes the role of the telecoms industry – D.E. relied on an effective and efficient industry. Soft and hard telecoms infra is a critical success factor.





# Digital Economy Family of Laws

Ref	Name of Law	Purpose	Comments
1	Frequency Act, aka NBTC Act	Amends Frequency Act 2010, role of NBTC and how spectrum is issued.	<ul style="list-style-type: none"> <li>Robust independent NBTC important;</li> <li>'policy' vs 'regulation'.</li> <li>Too much power to a committee</li> </ul>
2	Personal Data Protection Law	PDP law will affect all	<ul style="list-style-type: none"> <li>Purpose should be about confidence in the jurisdiction and consumer protection,</li> <li>Cross border insufficient;</li> </ul>
3	Computer Crimes Act amendments	Tighten CCA	Surveillance, record keeping?
4	Digital Development for Economy and Society	Consolidates into one law, these three laws: <ul style="list-style-type: none"> <li>Committee for Digital Economy and Society</li> <li>Promotion of Digital Economy</li> <li>Digital Development Fund for Economy and Society law</li> </ul>	Policy making powers in a committee. What checks and balances?  Establish National Digital Economy Promotion Committee and committee office  Establish Digital Dev Fund for Economy and Society, DDF for E&S Committee.
5	Ministry, Department and Bureau Reform law	Reforms MICT into MoDE.	Powers?
8	ETA amendment.	Upgrade ETA / ETDA	Liabilities?
9	Cybersecurity law	Due process? Establish NCSC, powers?	s. 35 controversial. Note 'trusted internet' concepts.
8	Draft Royal Decree establishing ETDA	Revises ETDA	
9	Competition Law upgrade (missing)	Promote and regulate completion.	Should apply to telecoms sector . See separate paper on this.
10	Structural reform - Mandated access to wholesale services and infra from SOEs (missing)	Towards properly structured industry	

The two major gaps are shown in blue



# Trusted Internet 1

1. A business tool

2. An enabler for an intelligent society

Governance: Multi-stakeholder model; top down, especially via difficult laws does not work.

Difficult laws: almost impossible to comply with, often unclear, then selectively enforced. Rule of Law means clarity, consistency, predictability, fair enforcement

- Top down rules “If you’ve done nothing wrong
- you have nothing to worry about”



# Trusted Internet 2

In the Digital Economy family of laws:

Two huge gaps: SOE reform, competition lacking.

Too much power in single committees which all look similar; not addressed: Cross border – need Rule of Law basis

CCA changes and Cybersecurity current drafts do not give the right business or societal confidence

But ePayments looks a lot better ! (collaborative development)



# Data = the enabler; Support its flow – especially cross border

Digitization is transforming business models in ways that enable more cross-border activity

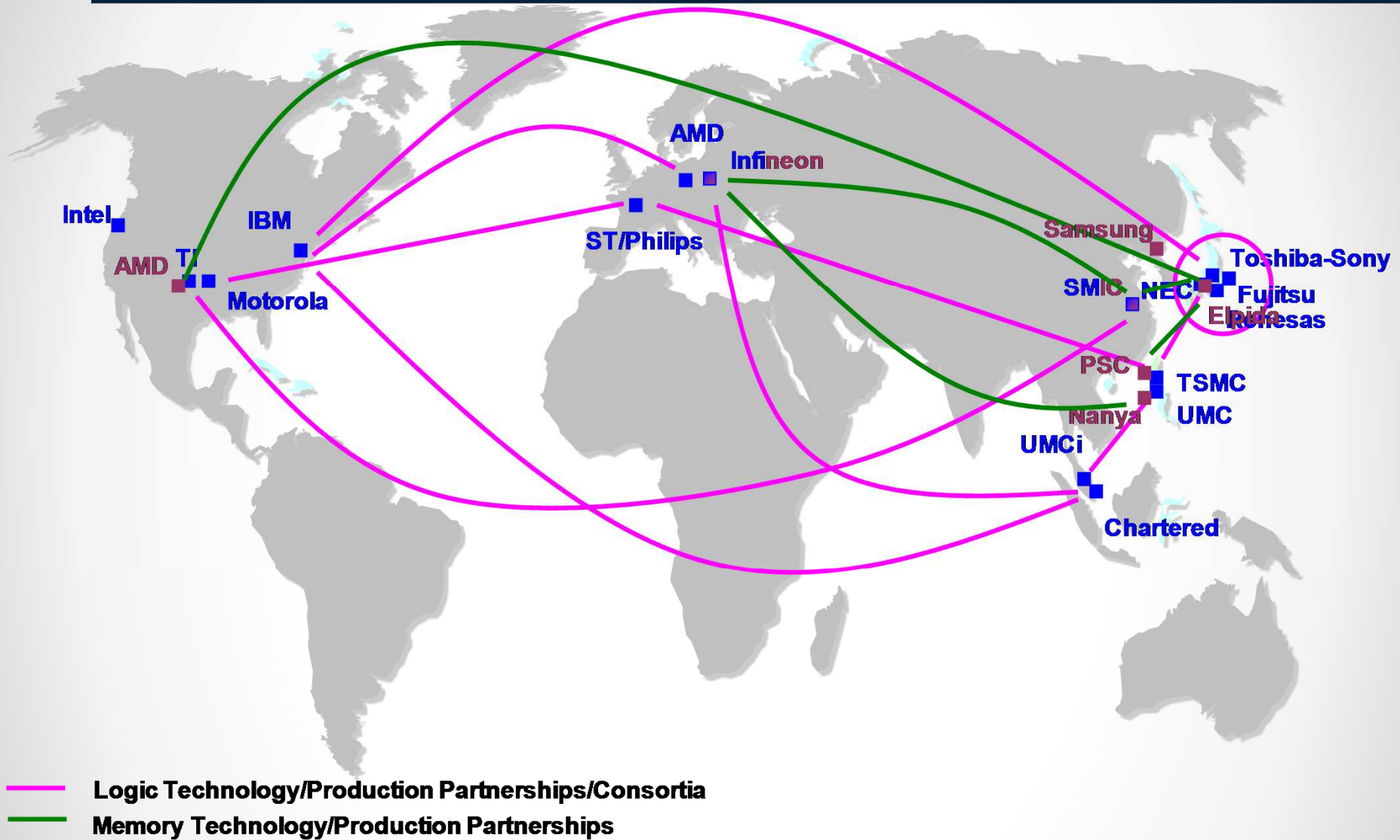
		Flow type				
		Data	Goods	Services	Finance	FDI
Cross-border implications of digitization						
Remote monitoring	Remote tracking	●	●			
	Remote maintenance	●	●			
Supply-chain management	Remote inventory management	●	●			
	Supplier management	●	●			
Access to global markets	Cross-border access to customers	●		●	●	
	Cross-border access to labor	●		●		
	Cross-border access to finance	●			●	
Business operations and strategy	Centralized back-office operations	●		●		
	Cross-border digital payments	●			●	
	Real-time communications and collaboration	●		●		
	Data sharing and analytics-driven decision making	●	●	●	●	●

SOURCE: McKinsey Global Institute analysis

See FORUM BOOKLET p. 18



# Multi-Region Production Partnerships



Source:

- William F Miller - Herbert Hoover Professor of Public & Private Management Emeritus, Stanford University
- President and CEO Emeritus, Stanford Research Institute (SRI) International in 'New Regions of Talent & Innovation'



# Personal Data Protection Law

Section 13 “The [Personal Data Protection] Committee shall have the following powers and duties:

.....

(5) to prescribe the rules regarding the protection of personal data sent or transferred abroad; ..”

Qualified committee chair appointed by cabinet; + six ex officio; + four qualified appointed by cabinet.

*We need a very attractive, Rule-of-Law based, trusted regime to support cross border data flows.*



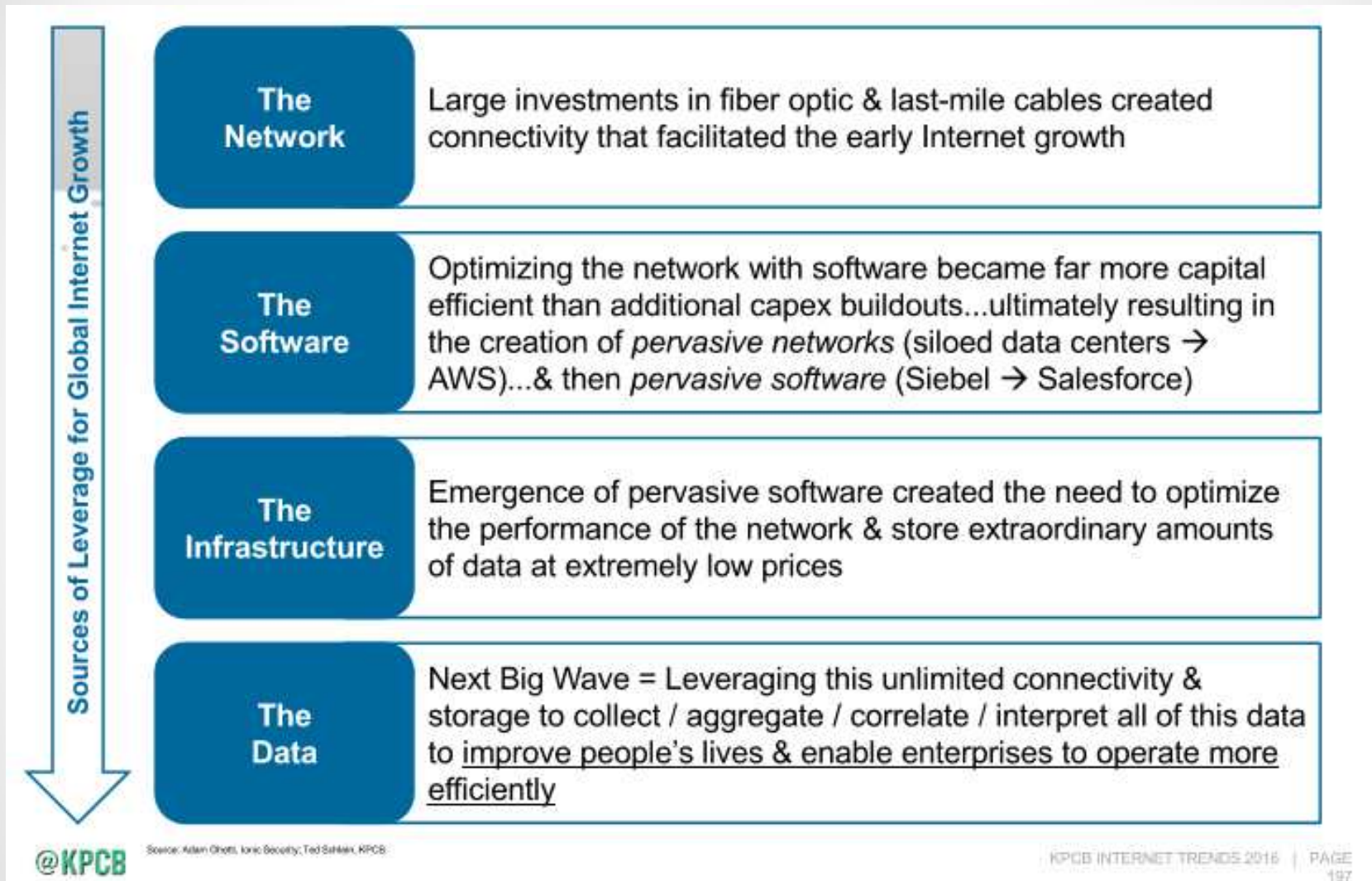
# Consumers' Top Privacy Concerns

## Rate Level of Privacy Concerns Across Each of the Following Ways Companies Interact with Personal Data, n = 2,062

(These percentages reflect all respondents who rated their privacy concerns on a 1-5 scale, with 5 = Extremely Concerned, 4 = Very Concerned, etc.)



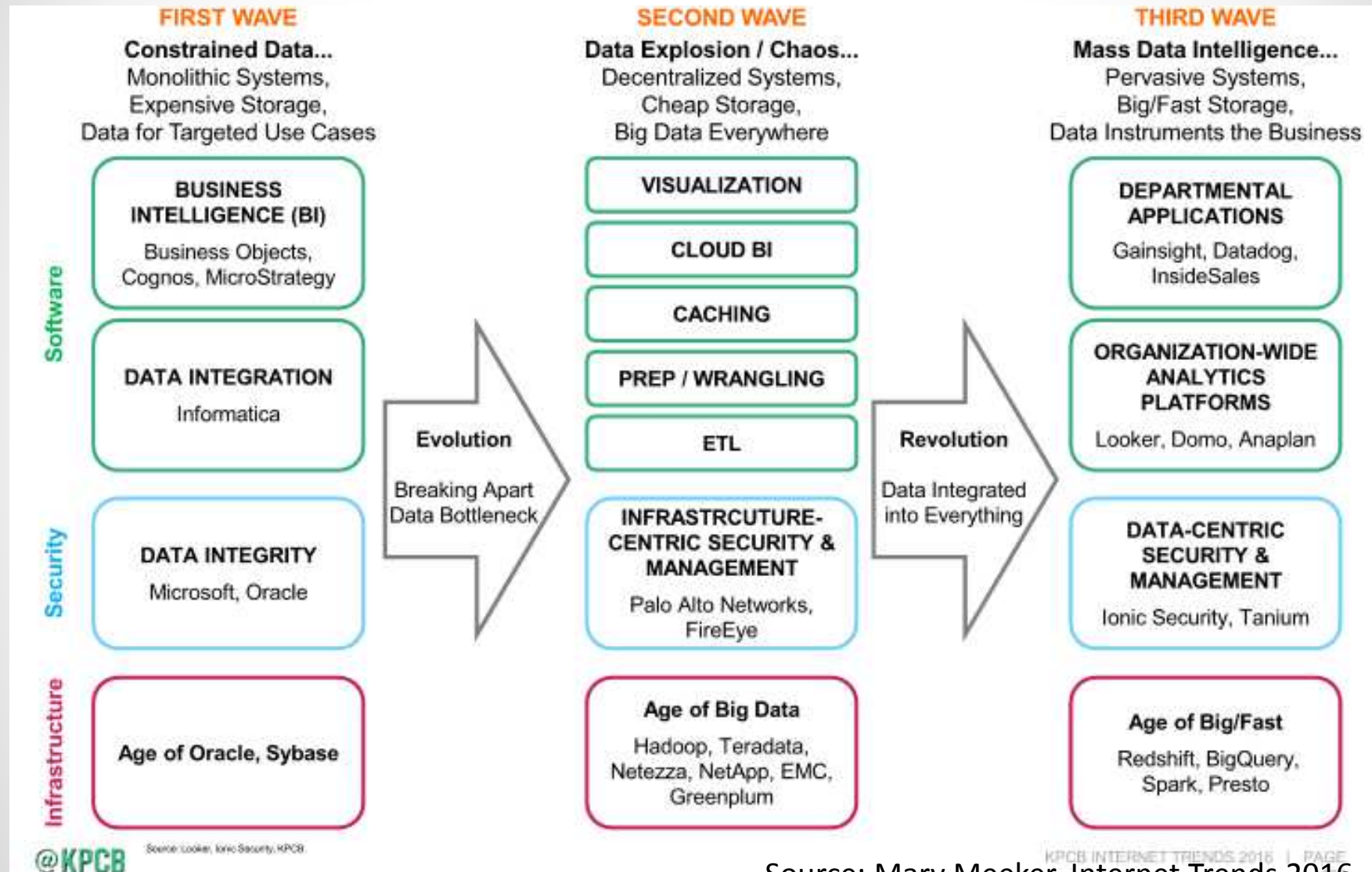
# Data = A new growth platform



Source: Mary Meeker, Internet Trends 2016



# Evolution of Data 1996 - 2016



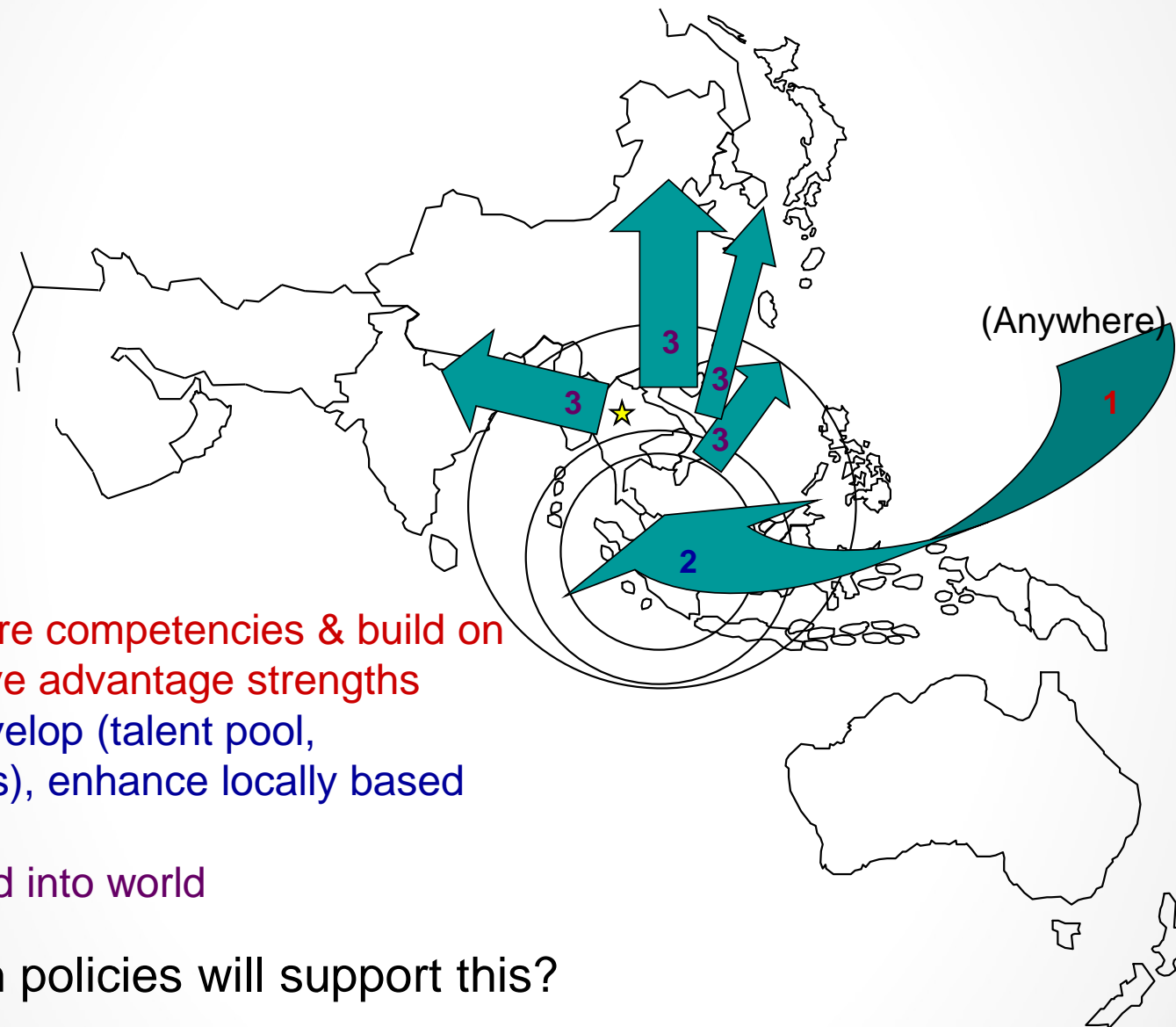
Source: Mary Meeker, Internet Trends 2016



# Capitalising on Data

- 1) Manufacturing and Services are inter-twined. So is data
- 2) Logistics efficiency
- 3) Support from better transport infrastructure
- 4) Skills development for 'digital literacy' – not parochial, avoid Thai-based certifications – use global standards wherever possible
- 5) Right structure for telecoms (evolved SOE, wholesale market), Good governance of systems in support of telecoms effective operation, internet governance
- 6) Maintain an open internet while respecting privacy and supporting security.
- 7) Network / operational security is everyone's job; national security by an agency with right Rule of Law governance.
- 8) Easy of doing business generally; avoid data nationalisation

# “Made in Thailand”



1 Transfer core competencies & build on comparative advantage strengths

2 Deploy, develop (talent pool, collaborations), enhance locally based talent

3 Springboard into world

Which policies will support this?



# “Made in Thailand”

“Send us your capital and skills”

“Come and do your thing in Thailand”

Much raw creativity, but real innovation?

New specific support for Start Ups – OK  
But it’s the ‘Doing Business’ fundamentals

- see 18-19 Forum Booklet

*examples:*

- Work Permit & Visa – change definition of ‘work’
- Are the new, personally probing questions for work permit holders helpful? (also apply to 90 day reporting)
- Company incorporation and operation – still more difficult than it need be



# Key Message

*Telecoms:* away from concession, rent seeking, move to single licensing model.

*Digital world:*

We cannot control all activity and should not try to.

Respect civil society, and business, MSM model and all playing a part in network and operational security, not top down.

We need a trusted internet





# Thank you

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