Law and Development in the Era of the Pandemic

“CYBER LAW AND THE COVID-19 PANDEMIC”

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PRESENTATION OUTLINE

ONE

Reality Check on
the Pandemic

TWO

Responses to a
Health Concern

THREE

Understanding the
Vulnerabilities

FOUR

Concerns and
Strategies

MONTHS INTO THE PANDEMIC CRISIS

A Reality Check

1 **Health Risks** — **60 million** infected; **1.4 million** deaths in **214** countries & territories since December (WHO)

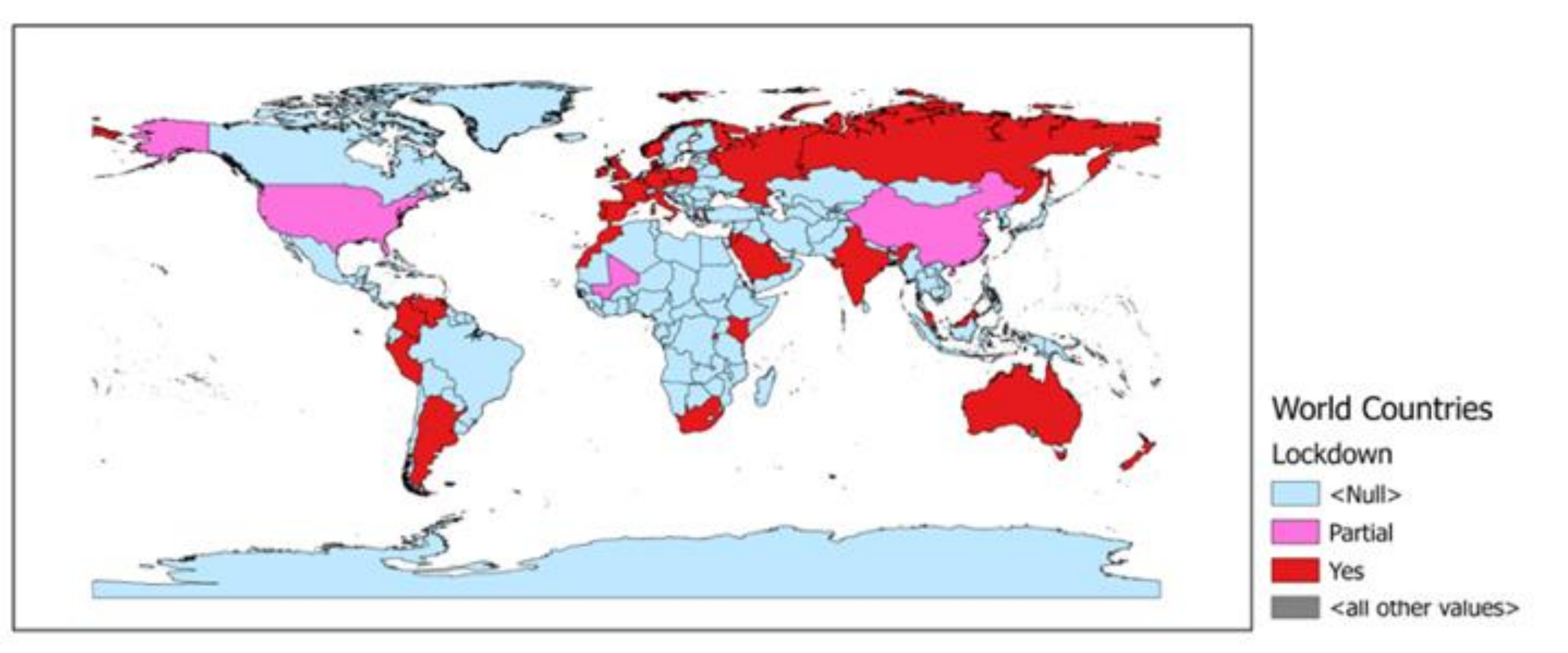
2 **Lockdown** — Governments around the world impose **lockdown, isolation or quarantine order**

3 **New Normal** — Work, Learn, Shop, Meet **from Home**

4 **Lifestyle** — **Physical distancing** and its Ramifications

5 **Vulnerabilities** — Social, Technical, Trusts, Governance **Vulnerabilities**

GLOBAL LOCKDOWN MEASURES PER APRIL 2020



RESPONSES TO THE PANDEMIC

Massive responses to the Pandemic had depleted the existing resources

Lockdown Deployment

Governments deploys police and military forces for movement restriction, lockdown, surveillance, curfew, quarantine and border control

Massive Campaign

The effort requires active participation of all segments of public. Covid-19’s threat is a bottom-up process, not a top-down one.

Public spending

Massively required for medical treatment, public screening, medical research, public awareness, economic stimulus, forces deployment as ell as other contingencies

EMERGING RISKS

Data exploitation through illicit requests of personal data for online services, Apps, etc;

Fraud and scam via fake accounts begging for donation, fake charities, etc.

Misinformation: Rise of citizen news portals with unaccountable stories – a test-bed for phishing attacks.

Unsecured online platforms prone to personal data breaches (online shopping, online meeting, social media, etc).

Rise of private surveillance

Technical Vulnerabilities

Critical system and infrastructures are at stake as they become a hot pot for both security and public health management system.

Window for Cyber Criminals?

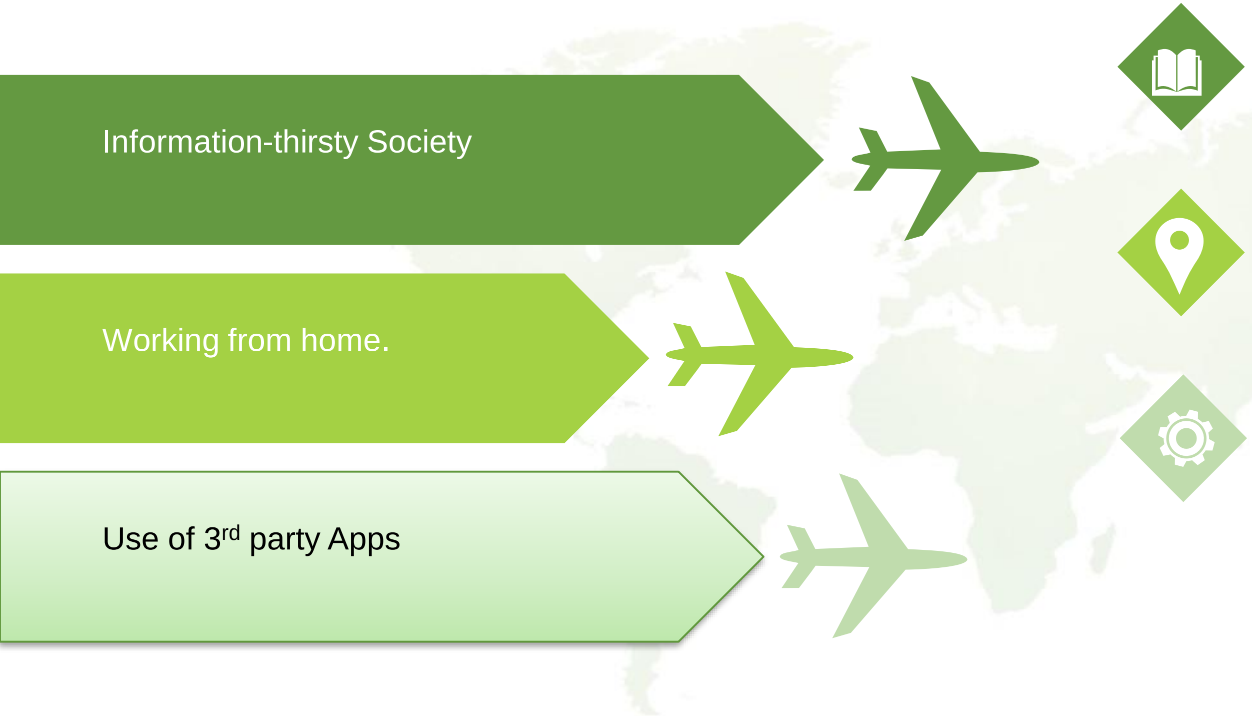
We witness how malicious minds potentially used this Covid-19 crisis as a window to exploit our vulnerabilities.

Critical Infrastructure Protection

The concept of national critical infrastructure need to be relooked so as to accommodate this threat to national and public health as one critical security objectives.

VULNERABILITIES OF THE INFORMATION SOCIETY

A Window for Cybercriminals?



Information-thirsty Society

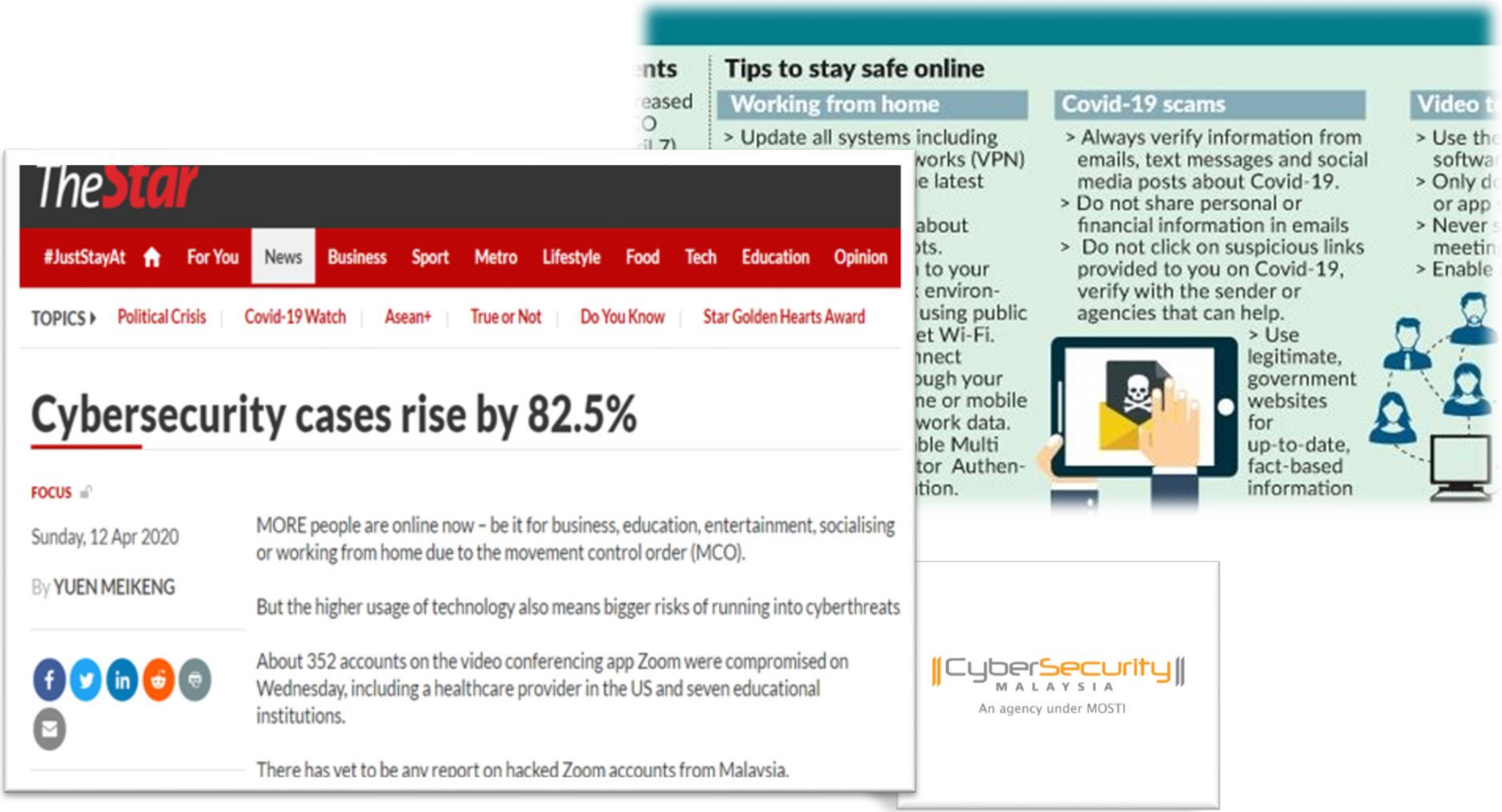
People tend to collect information about the Pandemic, click on links and web pages, spreading the information with poor exercise of fact-checking

Working from home.

People work on official documents using home-based computers, not subject to a security protection and support as they have in office.

Use of 3rd party Apps

Apps for social networking, e-shopping, e-meeting, e-learning and cloud services are mushrooming and widely used, but may not adequately equipped with rigorous security and privacy measures or policies.



Cybersecurity cases rise by 82.5%

FOCUS

Sunday, 12 Apr 2020

By YUEN MEIKENG

MORE people are online now – be it for business, education, entertainment, socialising or working from home due to the movement control order (MCO).

But the higher usage of technology also means bigger risks of running into cyberthreats

About 352 accounts on the video conferencing app Zoom were compromised on Wednesday, including a healthcare provider in the US and seven educational institutions.

There has yet to be any report on hacked Zoom accounts from Malaysia.

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Tips to stay safe online

Working from home

> Update all systems including
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using public
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ne or mobile
work data.
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tor Authen-
tion.

Covid-19 scams

> Always verify information from emails, text messages and social media posts about Covid-19.

> Do not share personal or financial information in emails

> Do not click on suspicious links provided to you on Covid-19, verify with the sender or agencies that can help.

> Use legitimate, government websites for up-to-date, fact-based information

Video t

> Use the
softwa

> Only do
or app

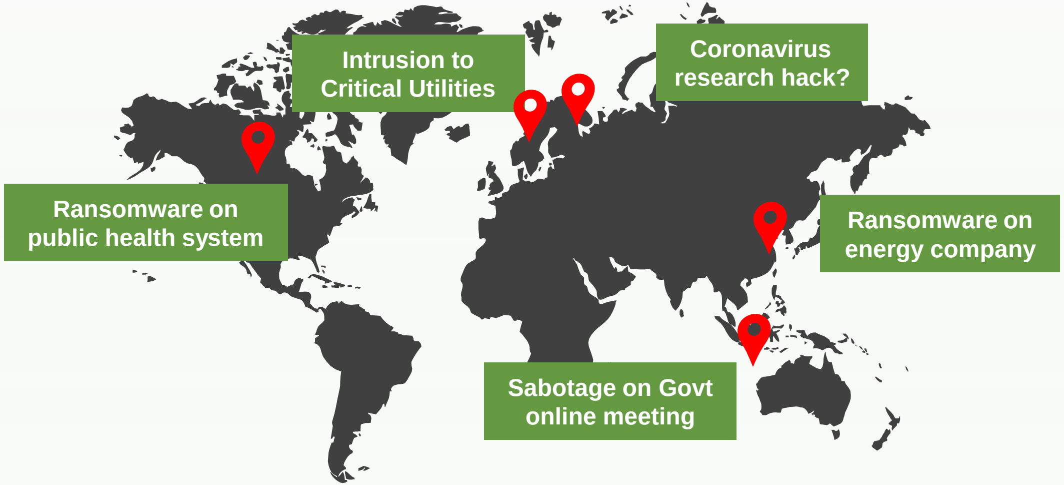
> Never s
meetin

> Enable

CyberSecurity MALAYSIA
An agency under MOSTI

EXPLOITATION OF CYBER INFRASTRUCTURE (CIIP)

What had happened in the Cyberspace during Covid-19 Crisis?



Intrusion to Critical Utilities

Coronavirus research hack?

Ransomware on public health system

Ransomware on energy company

Sabotage on Govt online meeting

Terrorists and cybercriminals are always interested to exploit cyberspace vulnerabilities. The activity of cyber terrorism does not relax during Covid-19. Several cyber attacks do target a critical information infrastructure (CII), a traditional target for cyber terrorism.

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ACTIVATE OUR CYBERLAWS

LAW AGAIINST COMPUTER MISUSE

Criminal laws against illegal intrusion, Unauthorised modification, computer sabotage, interception, etc

PERSONAL DATA PROTECTION LAW

Laws to protect online privacy, personal data misuse, unauthorised data collection, breach of data security, etc.

LAW AGAINST CYBER FRAUD

Online fraud, impersonation, social media hijacking, identity theft, online payment scam, etc.

CYBER SECURITY LAW

Laws to protect and encourage encryption, data security breach notification, data due diligence, cyber-terrorism law, etc.

E-COMMERCE LAW

Laws to protect online contract, electronic transaction, online payment methods, e-commerce consumer protection, mediation, etc.

WHERE TO START?

Understanding the vulnerabilities, Taking right actions

- Strengthen the Leadership & Governance
- Enhance social awareness
- “Distributed Security”
- Public-private Partnership

THANK YOU

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