ก้าวสู่โลก ของ การเปิดข้อมูล:

ทำไม่ได้ หรือ ไม่ได้ทำ?

Towards the World of Open Data:

Unlikely Or Unwilling?

TMB

ดร.เบญจรงค์ สุวรรณคีรี

I am… NOT

a banker
a math nerd
a husband
a son
just an economist

a lawmaker
a policy maker
generating any
data
a data scientist

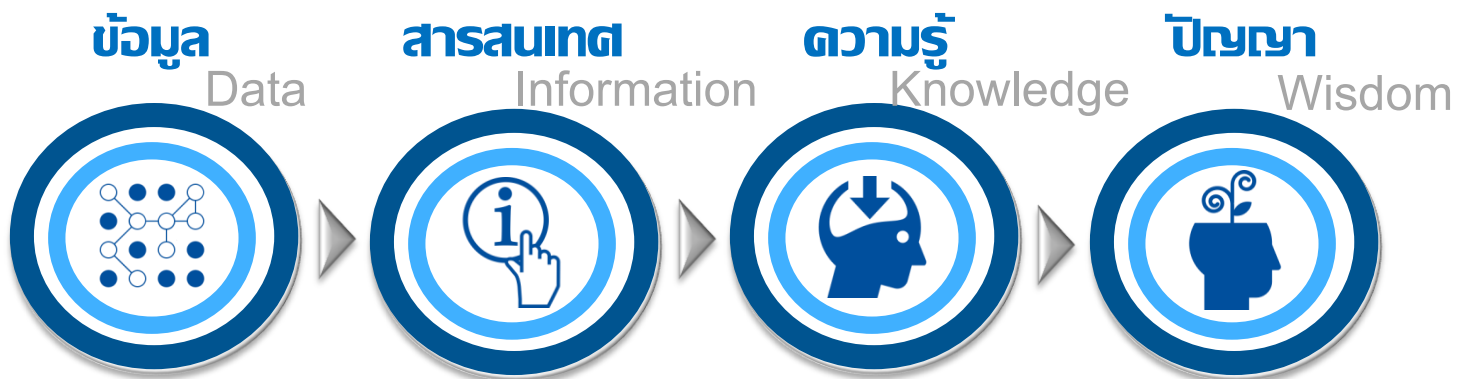How **likely** and **important** is the scenario?

How **well can** we **describe** the scenario?

3

Economics: How we fare?

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Describes well

Micro Economics

price
oligopoly
taxes
externalities
sustainability
costs demand
micro
efficiency imperfect
monopolistic revenues
elasticity
income
market
equilibrium paribus
consumption shift
perfect
substitute
asymmetric
collusion
inferior

Will rarely

happen

Happens

constantly

Aggregate
Economic
Fiscal
Reserve Demand Decision Cost
Technology Opportunity Making
Trade Cost
Cycles
Federal
Monetary
Debt Growth
Productive
Productivity
Scarcity Systems
Money Rights Institutions
Deficits Incentives
Inflation
Cost-Benefit
vs Specialization Labor
Employment
Interdependence Property
Supply Real
GDP Unemployment
Budget Nominal
Exchange
Public

Me

Macro Economics

Describes terribly

4

Benefits of Data

ข้อมูล
Data

สารสนเทศ
Information

ความรู้
Knowledge

ปัญญา
Wisdom

Picture: TheNounProject.com

Benefits of **Data**

ข้อมูล
Data

สารสนเทศ
Information

ความรู้
Knowledge

ปัญญา
Wisdom

Know

Understand

Anticipate

Manage

รู้

เข้าใจ

คาดการณ์

บริหารจัดการ

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Picture: TheNounProject.com

3 Layers
of Risks

Sensitive Personal Information

Sensitive Personal Information:

- Health Records
- Sexual Preference
- Criminal Records
- Religious Affiliation
- Political Affiliation

Protect against
Reputation Risk
Discriminatory Risk

Identifiable Personal Information

- Citizen ID
- Fingerprint/ Voice pattern
- Picture/ Facial Features
- Education
- Financial records & status
- Employee records
- Marriage status and certificate
- Detailed personal tax records

Protect against misuse of Personal Information

Identifiable Personal Information

Sensitive Personal Information

Include all types of information

- Information from GIS & GPS
- Transport information
- Tax revenues and spending in each province
- Tourist arrivals and departures, real time
- Trade and border trade
- Weather data
- Foreign investment data
- Electricity, utility usage and spending
- Education data

Non-personal Information

Identifiable Personal Information

Sensitive Personal Information

Open Data in Thailand

"เป็นที่เพ่งดูราชกิจ"

พ.ศ. ๒๔๔๒

พ.ศ. ๒๕๔๘

พ.ศ. ๒๕๕๙

ราชกิจจานุเบกษา

ราชกิจจานุเบกษา

http://www.mratchakitcha.soc.go.th/

มาตรา ๗ หน่วยงานของรัฐต้องส่งข้อมูลข่าวสารของราชการ...

ลงพิมพ์ในราชกิจจานุเบกษา

Governing uses of Data: Can be better?

Citizen Rights to Information

Freedom to Information Law
พ.ร.บ ข้อมูลข่าวสารราชการ พ.ศ. 2540
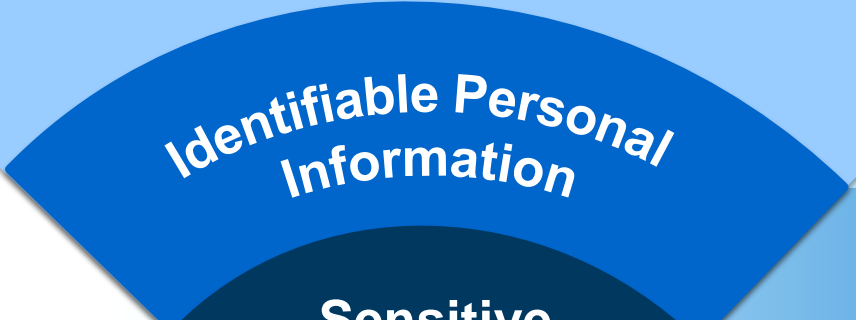
พ.ร.บ ข้อมูลข่าวสารสาธารณะ

Non-personal Information

Identifiable Personal Information

Sensitive Personal Information

Citizen Rights to Privacy

Privacy Law
พ.ร.บ ข้อมูลส่วนบุคคล พ.ศ. ....

Open Data under Data Governance

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Citizen Rights to Information

Non-personal Information

Identifiable Personal Information

Sensitive Personal Information

Citizen Rights to Privacy

10 Principles of Open Data

1. Completeness
2. Primacy
3. Timeliness
4. Ease of Physical and Electronic Access
5. Machine Readability
6. Non-discrimination
7. Use common standard
8. Licensing
9. Permanence
10. Usage Costs

By Purpose:
- For Research and Statistics
- For Benefits of Owners
- With Consent

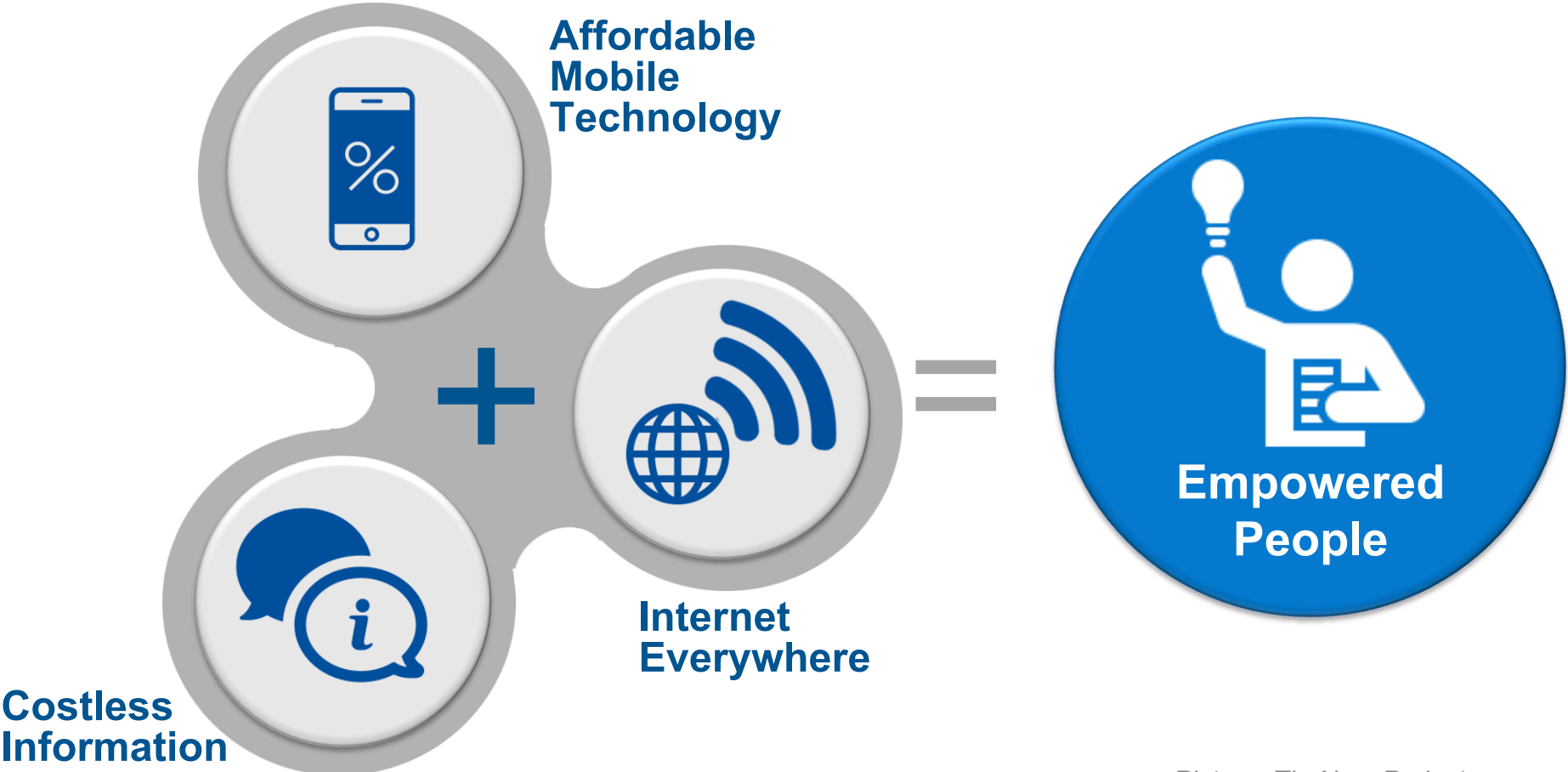*Anonymization to remove identifiability?*

We need

Data Governance

Because it's *NOT*

about the Data

Foundations of **the Digital Economy**

Affordable Mobile Technology

+

Internet Everywhere

Costless Information

=

Empowered People

18

It's about **People!**

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People who <u>use</u> the data

- Citizens
- Academics
- Business
- Government

People who <u>hold</u> the data

- Business
- Government

People who <u>own</u> the data

- Citizens
- Business
- Government

More **innovative** & **responsible** business

More **accountable** & **transparent** government

More **empowered** citizens

Thank you