

### **Plenary Session : Census Shapes Nation's Future**

### Unlocking the Value of Data in Public Service Delivery Transformation

Dr. Yusminar binti Yunus

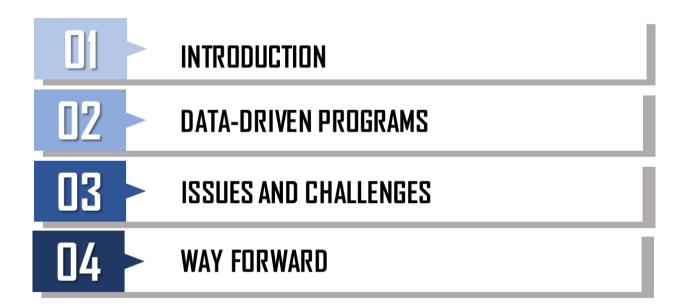
Malaysian Administrative Modernisation and Management Planning Unit (MAMPU)

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### <sup>th</sup> Malaysia Statistics Conference

## AGENDA



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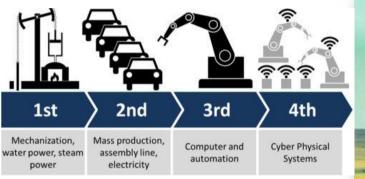
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# 'The world's most valuable resource is no longer oil.... but data'.







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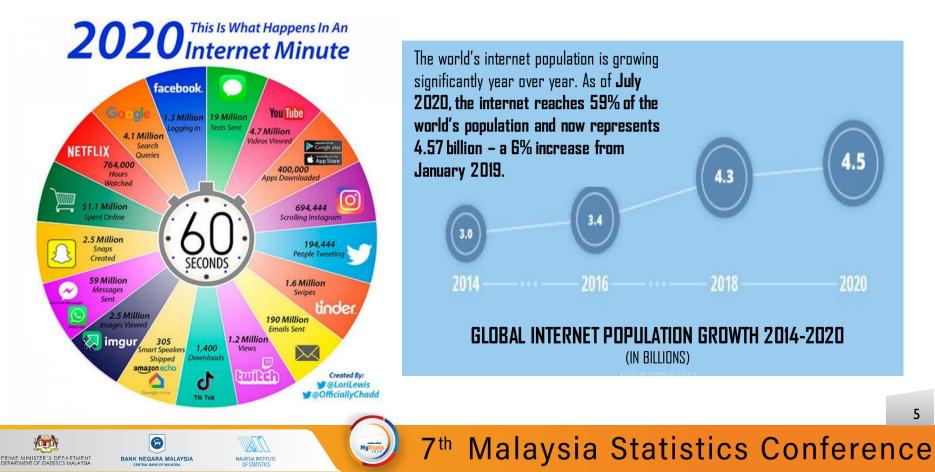
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data driven industries growing rapidly data is one of the key success factor in IR4.0

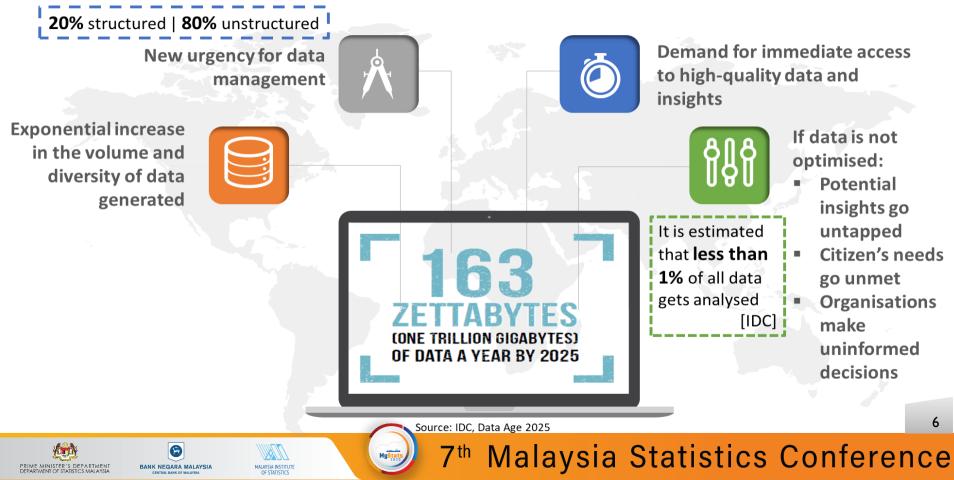
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## **DATA NEVER SLEEPS**



## THE DATA LANDSCAPE





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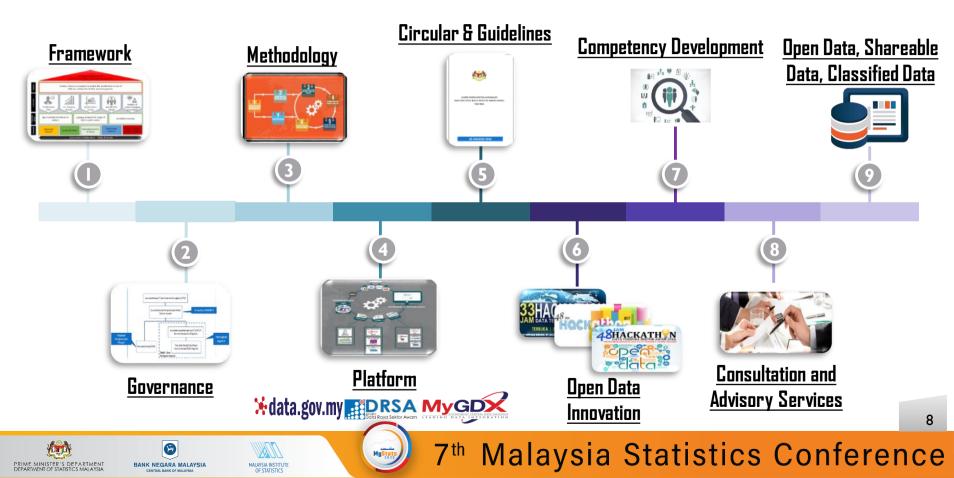
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## **DATA-DRIVEN PROGRAMS**



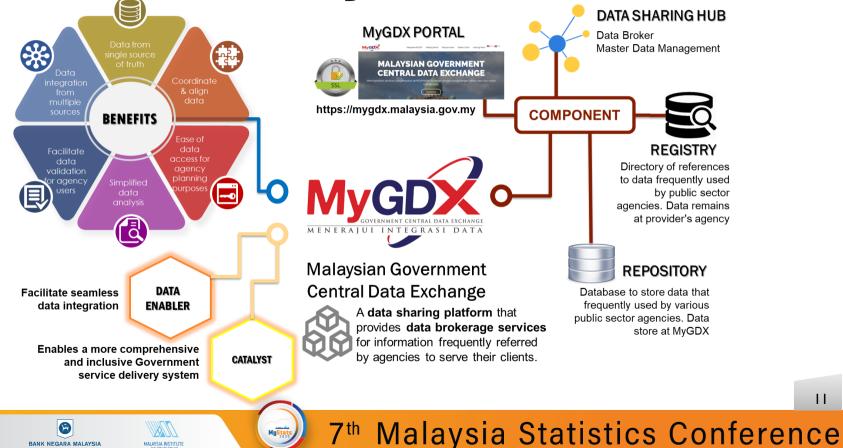
## **OPEN DATA**



## **PUBLIC SECTOR BIG DATA ANALYTICS**



### **MALAYSIAN GOVERNMENT CENTRAL DATA EXCHANGE** (MyGDX)



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## **ISSUES AND CHALLENGES**



Agencies (data owners) reluctant to share data due to no overarching data sharing policy



The level of awareness on the importance and potential of BDA as a strategy in government service delivery – low to moderate



Insufficient resources and expertise in data science and other related fields

Less commitment from Subject Matter Experts/Domain Experts



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## **CRITICAL SUCCESS FACTORS**



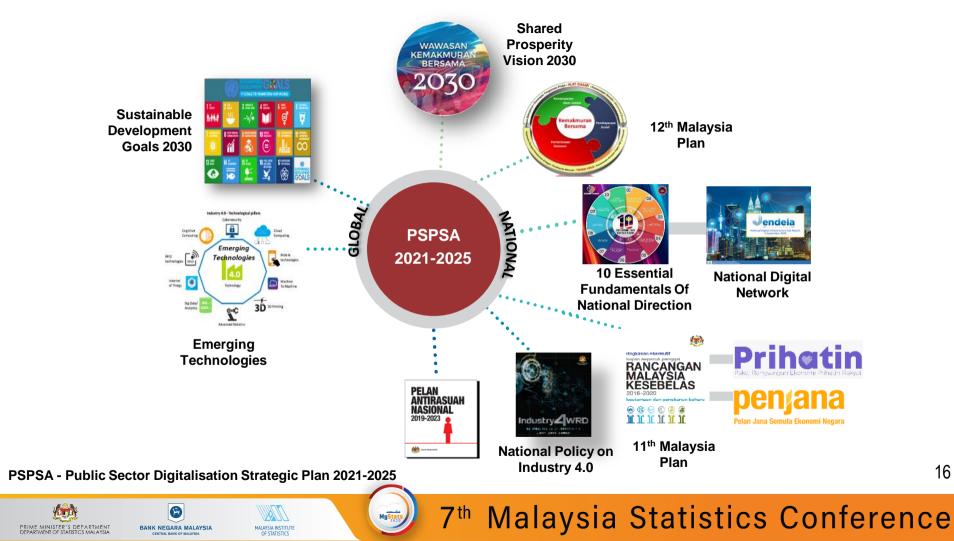


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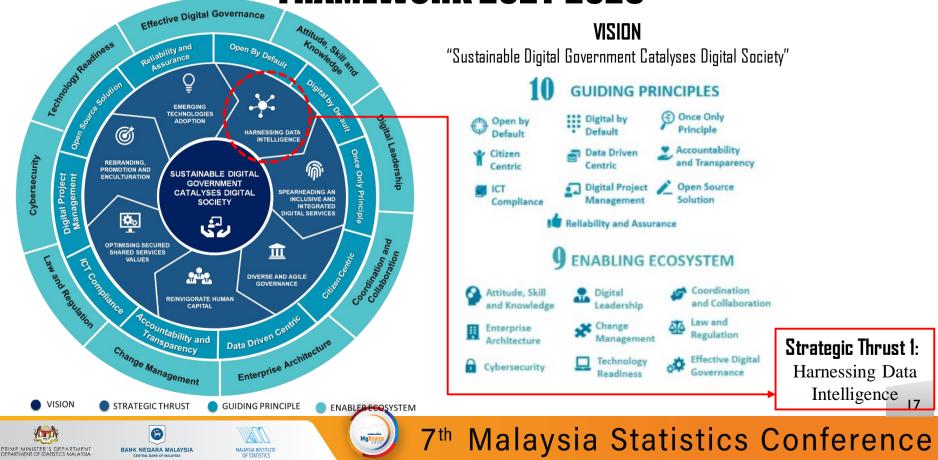
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### PUBLIC SECTOR DIGITALISATION STRATEGIC FRAMEWORK 2021-2025





### **OVERVIEW STRATEGIC THRUST 1- HARNESSING DATA INTELLIGENCE**

**STRATEGY 1** 

#### T1 HARNESSING DATA INTELLIGENCE

#### **Objectives:**

- Strengthen data management and coordination at the national and public sector level
- 2. Foster planning, policy development and decisionmaking based on data intelligence



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REINFORCEMENT OF DATA MANAGEMENT AND COORDINATION

#### P1 EMPOWERMENT OF DATA GOVERNANCE AND STRUCTURE

A1. Establishing an entity that spearheads the implementation of national data initiatives

A2. Establishing national data governance

A3. Formulating national data strategy

A4. Establishing a special division in the ministries/agencies for data management and implementation initiatives

#### P2 STRENGTHEN ACT, STANDARD, POLICY AND GUIDELINES FOR DATA INITIATIVES

A1. Conducting requirement study on act, standards, policies and guidelines on data initiatives

A2. Strengthening act, standards, policies and guidelines on data initiatives

#### P3 EMPOWERMENT OF DATA SHARING AND MANAGEMENT HUB

- A1. Strengthening the Government's data sharing hub
- A2. Enhancing data management and migration of data sharing hub portal

A3. Enhancing integration services and web services (APIs)

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### **OVERVIEW STRATEGIC THRUST 1- HARNESSING DATA INTELLIGENCE**

**STRATEGY 3** 

## HARNESSING DATA

#### STRATEGY 2

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#### REINFORCEMENT OF OPEN DATA INITIATIVES

#### P1 EMPOWERMENT OF OPEN DATA

A1. Strengthening quality data publication mechanism in line with international standards

A2. Strengthening the national open data innovation development centre for data product development starting from brainstorming, development, testing and commercialization

A3. Applying the practice of Open Contracting Data Standard (OCSD) and Open Contracting For Infrastructure Data Standard (OC4IDS)

A4. Establishing an open data performance framework based on Open Data Barometer

A5. Developing Malaysia Open Data Index and strengthen Open Data Infrastructure platform

A6. Participating and adopting the principles of Open Data Charter

#### P2 ENHANCEMENT OF STRATEGIC COLLABORATION

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A1. Enhancing strategic collaboration with industry, academia and the Malaysian Open Data Community

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A2. Reinforcing the sustainability of international strategic collaborations

#### EMPOWERMENT OF GOVERNMENT SERVICE DELIVERY USING DATA INTELLIGENCE

#### P1 REINFORCEMENT OF PUBLIC SECTOR BIG DATA ANALYTICS INITIATIVES

A1. Assessing and identifying high impact public sector data products

A2. Developing high impact public sector data products

A3. Expanding high impact public sector data products across the public and private sector

#### P2 DEVELOPMENT OF PUBLIC SECTOR BIG DATA ANALYTICS AND ARTIFICIAL INTELLIGENCE

A1. Conducting readiness studies on the implementation of big data analytics and artificial intelligence in the public sector

A2. Developing big data analytics and artificial intelligence initiatives in the public sector

A3. Implementing studies on the effectiveness and impact of big data analytics and artificial intelligence towards making informed decisions

A4. Providing consultancy services and become point of reference in the field of big data analytics and artificial intelligence at the public sector level

A5. Conducting research on data analytics and data intelligence innovation

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# THANK YOU Banci Malaysia

#### 7.7.2020 - 21.12.2020 (e-Census)

#### 20.1.2021 - 6.2.2021 [Face To Face]





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