



Virtual Event 15-18 June 2020  
**2020 Asia-Pacific  
Statistics Week**

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## **SWOT Analysis to Reviewing Business Characteristic (BCS) Survey 2019 for Integrating business and ICT Data in Indonesia**

Action Area C. Integrated statistics for integrated analysis (SC2)

**Which way now on the journey towards integrated statistics?**

Authors:

**Dimas HS; Aris R; Undich SS; Andri YS**  
*Statistics Indonesia*

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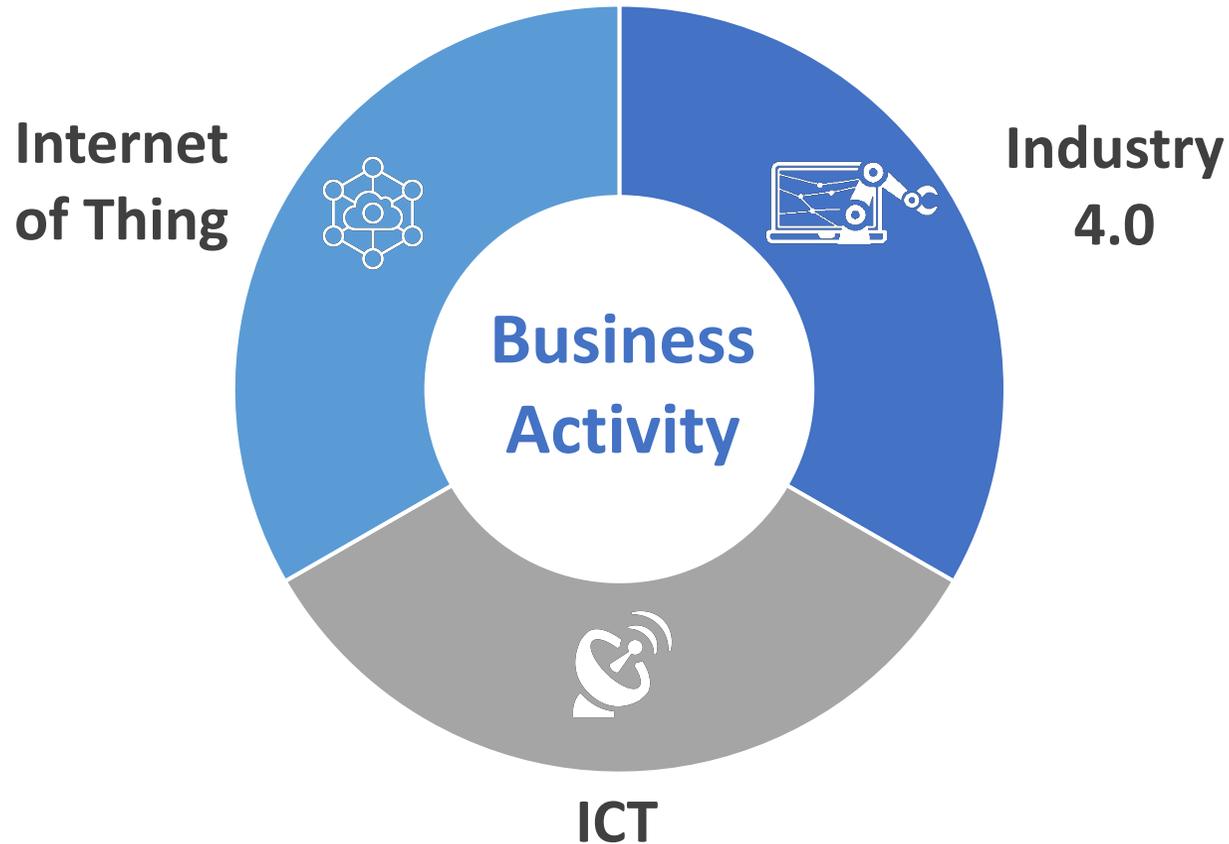
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# Indonesia's Business Activity Today



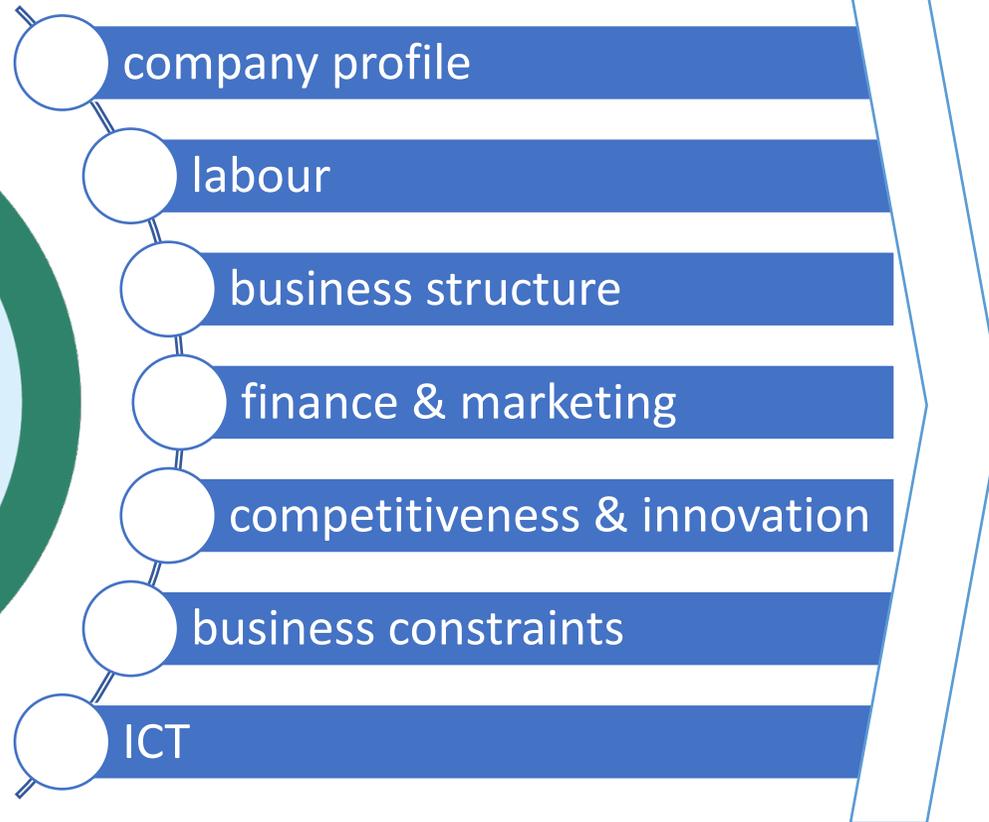
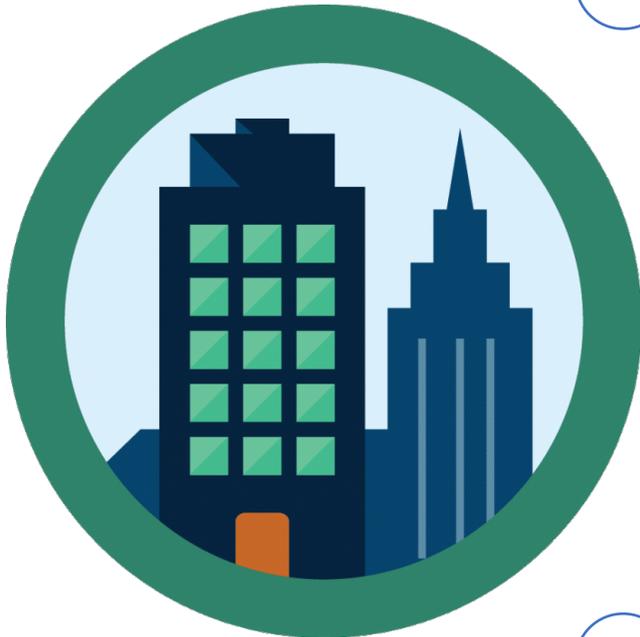


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## Business and ICT Data



*decision making*



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# Statistics Indonesia and Business & ICT Statistics



ICT Use and Utilization  
Survey (Businesses Sector)



Information and  
Communication Businesses  
Survey



Science, Technology, and  
Innovation Survey



prior 2019



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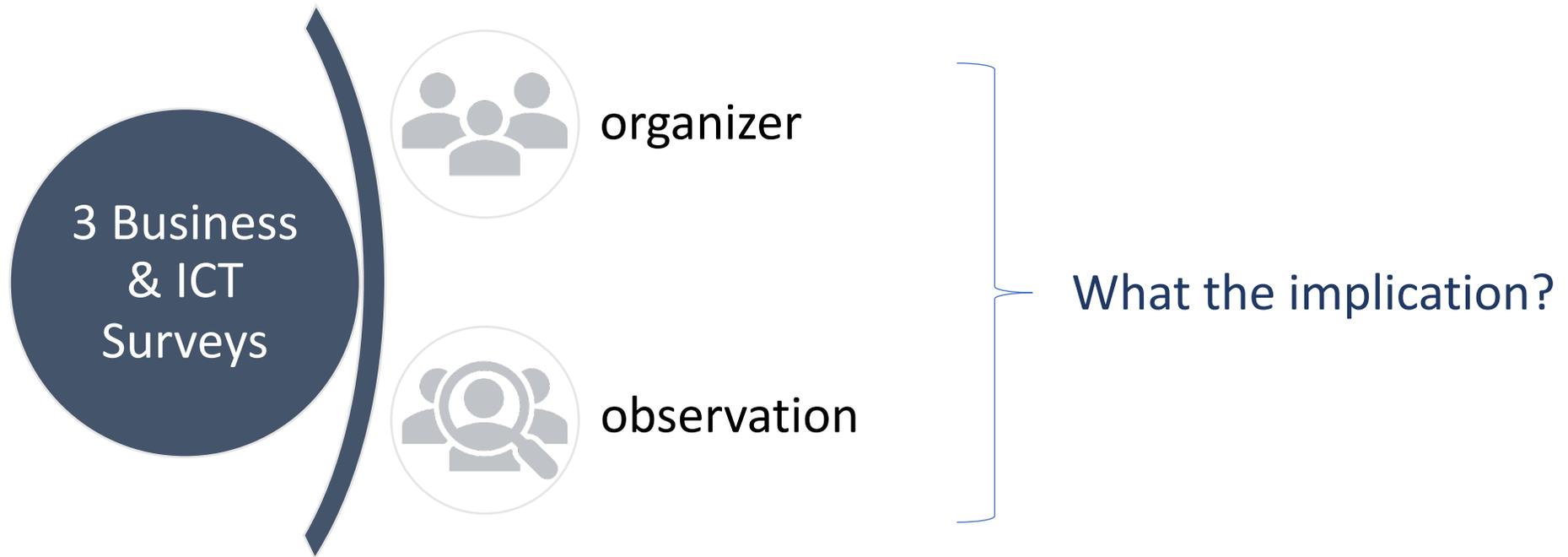


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## Problem: the Similarities

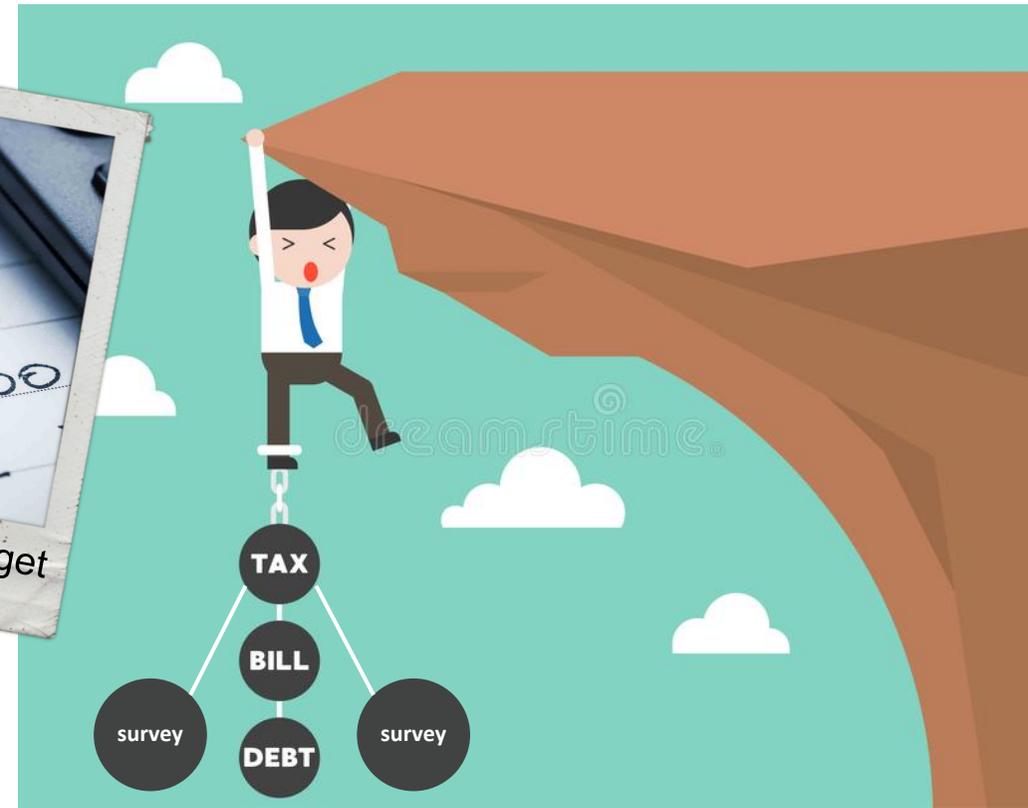




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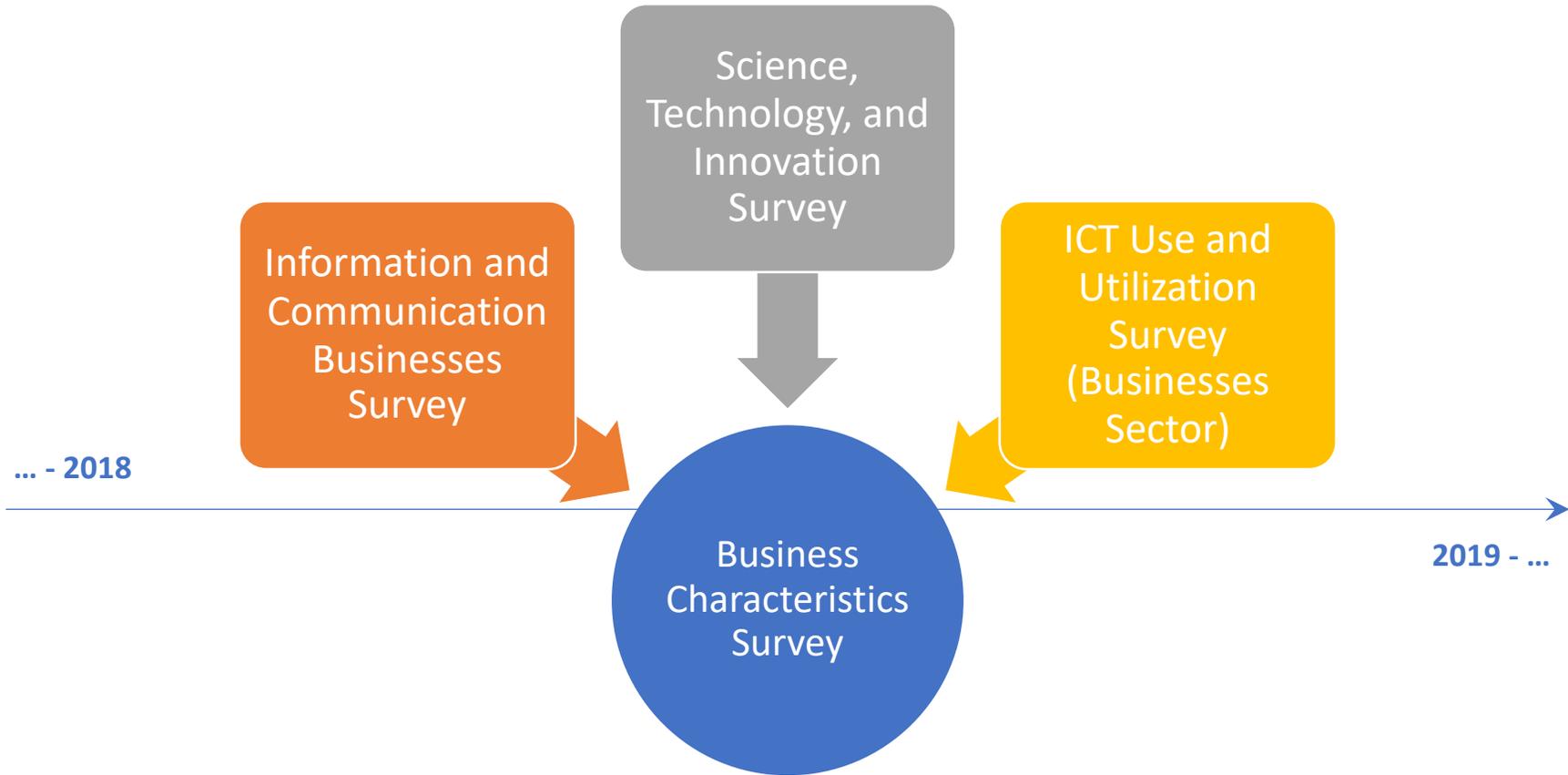
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# Implication: Inefficiency & Respondent Burden





# Solution: Integrated Business & ICT Survey





# What the BCS 2019 Provides?

Business  
Characteristics  
Survey

low respondent/provider  
burden

efficient process

high quality data



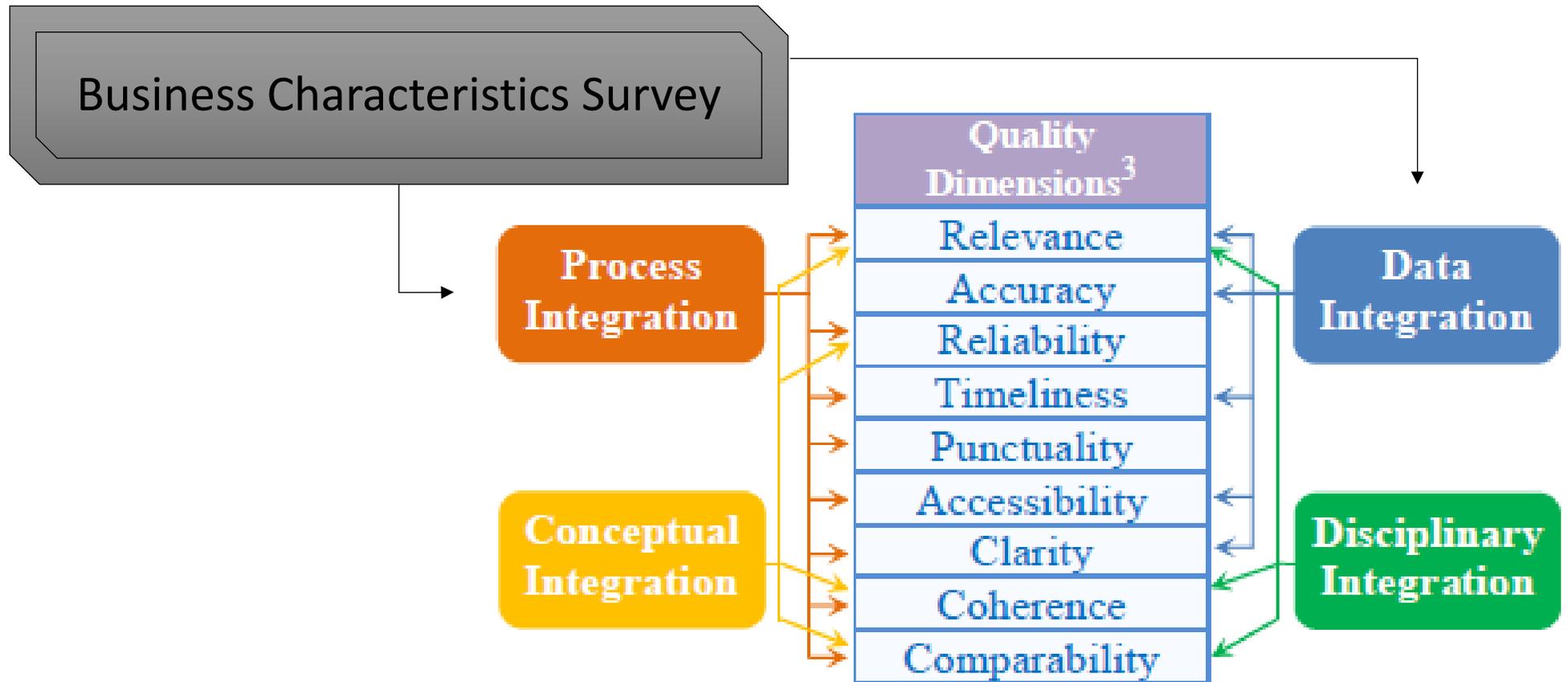
# 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation



# The BCS 2019 and The Dimension of Integrated Statistics





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## Integrated Survey: More Strength & Opportunity?

1

Whether the Business Characteristics Survey (BCS) as one example of an integrated survey in Indonesia has more strength and opportunity to be continued or not?

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2

In what aspects the BCS shows both its internal strengths and opportunity and its external opportunity and threats?

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# Business & ICT Survey in Indonesia

Surveys	Year	Coverage	Samples	Response Rate (%)	Manpower	Budget (1000 USD)	Budget Efficiency (USD/samples)
P2TIK	2018	129 D 34 P	4537	79.48	500	300	52.45
INFOKOM	2018	29 P	290	83.90			
IPTEK & INOVASI	2018	29 P	894	78.61	154		
BCS	2019	165 D 34 P	8300	84.49	831	400	48.19

*P: Province; D: District*

*Source: Statistics Indonesia*



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# The SWOT Matrix Result

### Strengths

1. Strong commitment to reducing respondent and provider burden
2. Increasing Response Rate
3. Systematics Enumerators Training
4. Technical Assistance Support by ABS
5. Good Government Support
6. Using ICT support (CAPI and CAWI)
7. Sample representativeness for estimating national statistics

### Weakness

1. The enumerator's capability in using ICT support is varied
2. Some obstacles of IT Use in BCS 2019
3. Poor other macro data references
4. Lack of preparation and experience in implementing an integrated survey
5. Poor readjustment of instrument related to technical Assistance Bias

### Opportunity

1. The trend of ICT use and internet users in Indonesia is promising
2. The number of stakeholders using BCS data is increasing
3. The Development of Medium Enterprise Directory as a sample framework through Statistical Business Register

### Threats

1. A promising trend of Big Data usage by private Data Science Provider





# The BCS 2019: Strength

## Strengths

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## Weakness

1. The enumerator's capability in using ICT support is varied
2. Coverage of ICT use in BCS 2019
3. Differences in experience in internet survey instrument related to
4. Data usage by private

1. The trend of ICT in Indonesia is promising
2. The number of statistics is increasing
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# The BCS 2019: Weakness

## Strengths

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# The BCS 2019: Opportunity

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# The BCS 2019: Threat

## Strengths

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3. Systematics Enumeration
4. Technical Assistance
5. Good Government
6. Using ICT support
7. Sample representative national statistics

## Weakness

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## Threats

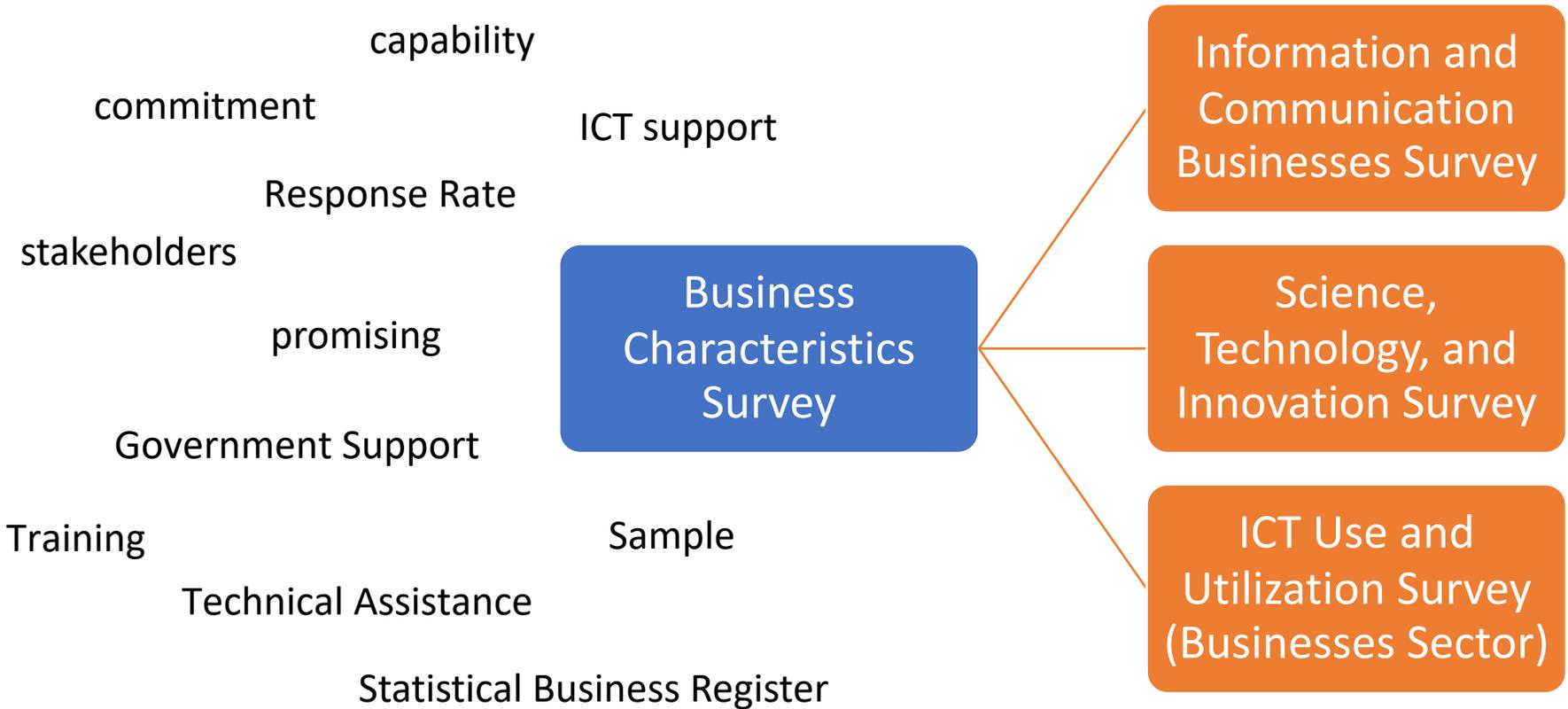
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## Opportunities

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# Conclusions: More Strength & Opportunity





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# Recommendations: Continued & Expanded

2019  
BCS, Middle & Big Enterprises Industry Survey\*,  
Prices Statistics Survey\*

2020: BCS, Middle & Big Enterprises Industry  
Survey, Prices Statistics Survey

2021: BCS, Middle & Big Enterprises Industry Survey,  
Prices Statistics Survey, other new integrated survey

**\*) Pilot Project**

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