ENABLING TRUSTED DATA SHARING FOR THE DIGITAL ECONOMY

Lee Chein Inn
Deputy Director, Trusted AI & Data
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TRUSTED DATA FLOWS – FOUNDATION OF DIGITAL ECONOMY

IMDA’s Approach to Growing SG’s Data Ecosystem & Global Data Flows

• Facilitating responsible cross border data flows

• Building trust through accountability-based personal data regime

• Catalyzing business innovation thru data

Trusted Data Sharing

• Increases data flow – greater access to data

• Builds trust – responsible practices when sharing data

• Supports innovation – multiplier effect when data is shared across geographies, sectors and organisations
PAIN POINTS WHEN BUSINESSES SHARE DATA WITH ONE ANOTHER

- Establishing **trust** between partners
- Ensuring **compliance** to regulations, e.g. PDPA
- Overcoming **hurdles during negotiation** e.g. valuing data to be shared, legal agreements
- Operationalising **data sharing arrangements**
TRUSTED DATA SHARING FRAMEWORK

• Addresses businesses’ pain points, developed in consultation with industry

• Systematic approach for businesses to use, when establishing trusted data sharing arrangements with each other

• Helps users:
  • Appreciate the benefits of data sharing
  • Understand key considerations to enable data sharing
  • Gain clarity from the information and illustrations presented in the Framework
  • Kick-start their data sharing journeys
TRUSTED DATA SHARING FRAMEWORK

- Includes **business, legal & technical** considerations and tools
- Embeds the **trust element** throughout the process
- Provides examples on data sharing concepts, **tools and resources**
- Example of included resource: **Guide to Data Valuation for Data Sharing**
  - Tool for businesses to establish a common baseline for valuing data to be shared
TRUST AS A FOUNDATION FOR INNOVATION IN THE DIGITAL ECONOMY

For Businesses

- Increase in knowledge on responsible data sharing practices
- Reduce time in establishing data sharing arrangements

➔ Access to datasets to enable innovation

For Consumers

- Assurance that data is handled responsibly
- Greater confidence in service providers

➔ Access to innovative & personalised products & services

• Singapore’s contribution to global practices on trusted data innovation, following AI Governance Framework

• Asia’s First Comprehensive Framework for Trusted Data Sharing
CASE STUDY: PUBLIC-PRIVATE COLLABORATION ON DATA SHARING

• Addressing data sharing challenges amongst public and private data contributors

• Roles of different stakeholders:
  - **Government and Regulator**: Boost confidence to participate & resolve regulatory uncertainty
  - **Business Decision Makers**: Business outcomes
  - **Data Scientists, Business Units, Technical Teams**: Feasibility, data, technical details
  - **Legal Representatives**: Early involvement to expedite agreement drafting

• Key lessons:
  • Strong alignment of objectives
  • Technical interoperability – data standards, common identifiers
  • Data sharing mechanisms – e.g. anonymisation and fusion process using the regulatory sandbox, risk assessment
  • Legal framework – e.g. regulatory clarity
  • Data service intermediary with trusted platform
GOVERNMENT DATA TO EMPOWER BUSINESS INNOVATION AND NEW SERVICES

**DATA.GOV.SG**
Open data for public consumption and business use

- >1,800 datasets
- Real-time APIs for developing new applications
- Enables requests for new data from any agency

**MYINFO**
Consent-based access to citizens personal data

- Data available:
  - Personal
  - Contact,
  - Income,
  - Education,
  - Family
  - Vehicle,
  - Property, etc

- Integrated with >300 business digital services & >50 government digital services

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**MyInfo**
YOUR PERSONAL DATA PLATFORM for faster, easier online transactions

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**SG:D**
EMPOWERING POSSIBILITIES

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**INFOCOMM MEDIA DEVELOPMENT AUTHORITY**

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COMING SOON: DATA PORTABILITY

• Increase access to data for innovation

• **Support individuals’ request** for a copy of their data held by an organisation to be transmitted to another organisation in a machine-readable format

• **Spur the development of new products and services** that can better utilize historical transactional data

• Provide **clarity and specificity for data transfer** (e.g. technical, business service levels)
  • Address industry concerns, needs and requirements of different sectors
  • Enable interoperability
THANK YOU

lee_chein_inn@imda.gov.sg