

Experience Sharing Session:

Introduction of Hong Kong's Innovation Statistics

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Background

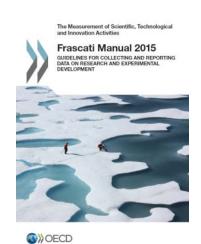
- The Hong Kong Government has made substantial investment to enhance Hong Kong's innovation and technology (I&T) ecosystem
- Innovation and Technology Commission (ITC) was set up in Hong Kong in year 2000 to promote I&T and implement I&T policies
- Census and Statistics Department (C&SD) has been commissioned to compile statistical indicators for measuring the development of I&T in Hong Kong

Survey of Innovation Activities (SIA)

- Conducts annually as from 2002 (for reference year 2001) to collect information from business sector
- Mandatory survey conducted under Part III of Census and Statistics Ordinance (Chapter 316)
 - Business firms sampled for SIA are required to complete the questionnaire
 - Information collected should be kept in strict confidence and not be released to any unauthorised parties, including Government departments

International guidelines

Frascati Manual of OECD (for research and development (R&D) statistics)



Oslo Manual of OECD and Eurostat (for innovation statistics)



Data items covered

- General information: nature of business, persons engaged, business receipts, etc.
- **R&D information**: R&D personnel, expenditure on R&D activities, funding sources, etc.
- Innovation information:
 - Product and process innovations: number of innovations, manpower, expenditure, factors hampering product and process innovations
 - Organisational and marketing innovations: type of innovation, objectives of innovation



Coverage of SIA

- The main sampling frame for SIA is the Central Register of Establishments (CRE), which is a comprehensive register maintained by C&SD and updated by reference to records of the Business Registration Office
- Some industries with relatively small economic contribution and presumably not so involved in R&D / innovation activities are not covered in SIA on cost-effectiveness and operational considerations



Coverage of SIA

- Sample contains:
 - Establishments identified as potential R&D / innovation performers
 - Other establishments are selected using stratified random sampling design by industry group and by employment size group
- Sample size for 2018 SIA: About 6 000 establishments

Data collection

- Questionnaires with explanatory notes are sent to the selected establishments in February / March of each survey period
- Field officers of C&SD visit / telephone respondents to assist them in completing the questionnaires if necessary, or verify the information contained in the completed questionnaires

Key Statistics

R&D activities

	2012	2017
➤ Gross domestic expenditure on R&D (GERD)*	HK\$ 14.8 billion	HK\$ 21.3 billion
Of which: business sector	HK\$ 6.6 billion	HK\$ 9.4 billion
> Ratio of GERD to GDP	0.73%	0.80%

^{*} Covering business, government and higher education sectors.

Key Statistics

Innovation activities in the business sector

		2012	2017
h	No. of business establishments aving undertaken innovation ctivities	30 761	34 400
	% share in the business sector	10%	12%
	Business expenditure on product and process innovations	HK\$ 15.8 billion	HK\$ 29.5 billion

~Thank you~