MF-IFSTTAR Seminar

Local and Global Urban

Logistics

October 16, 2018

Paris, France





The Local/Global Challenge of Urban Freight
LOCAL AND GLOBAL URBAN LOGISTICS

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Pavillon de l'Arsenal Paris, France, October 16, 2018



IFSTTAR

Parcel deliveries in Seoul Metropolitan Area

2018, 10, 16

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Commerce Trends Changing in Korea





- eCommerce sales, any sales for services excluded, keep growing
 - total sales : \$30 billion → \$42 billion
 - sales per transaction : \$22 → \$27

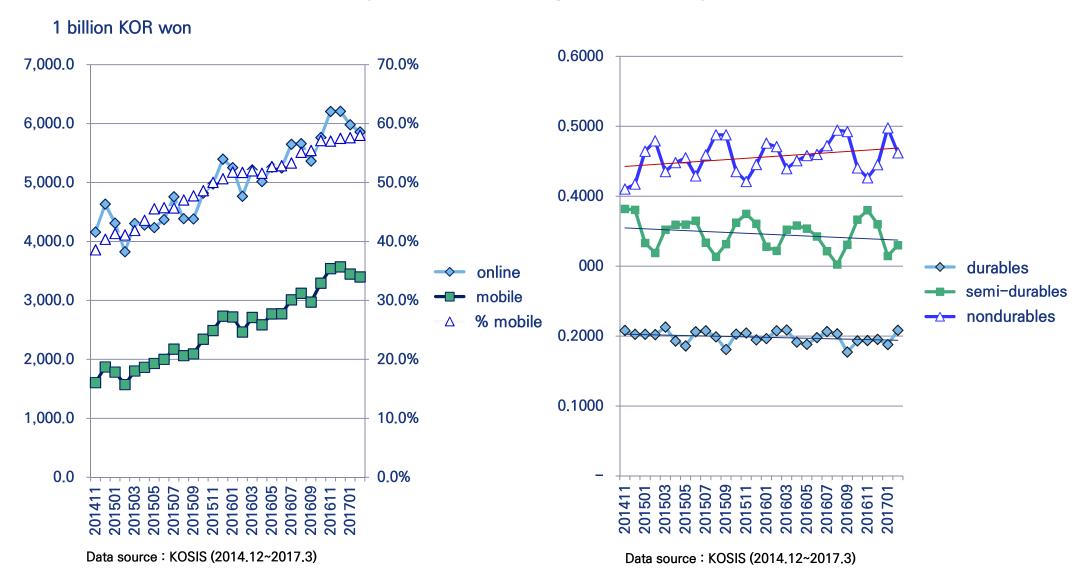


Data source: KOSIS (2014.12~2017.3) and KOILA's parcel delivery service DB for the same period

Korean Commerce Trends Changing



- mobile shopping sales growing fast
- sales of nondurable goods relatively increasing



Recent trends in parcel delivery market





- parcel delivery service market rapidly growing
 - introductory stage in early 2000s, another growth stage thanks to rapid growth of mobile shopping and open market since 2015
 - 0.8 billion+ packages in 2007, 2 billion+ in 2016, 2.3 billion+ in 2017

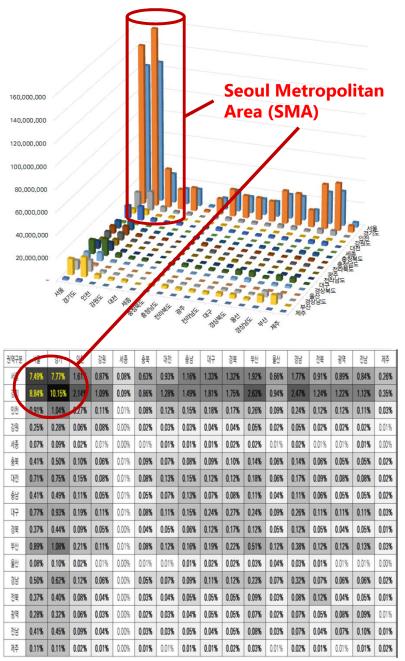


Data source: KOILA (2016) and Seo and Lee (2017)

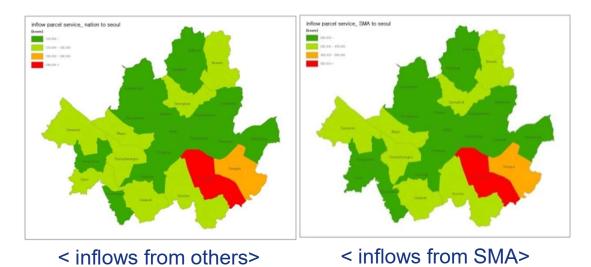
Seoul is a Hotspot of parcel deliveries

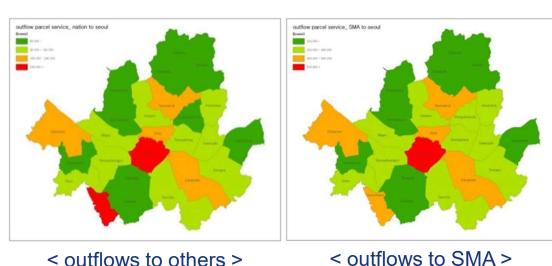






- Seoul Metro Area is HOTSPOT
- variations within the city of Seoul





< interregional flows of parcel freight in Korea >

Growing new logistics demands





consumption behavior changed, faster delivery demand growing



- Sources: Brochures of Mesh Korea and Baemin Fresh, etc.
- new logistics business model developed
 - On-demand logistics services platform / omnichannels
- fulfillment services, last-mile delivery services getting significant

























Relocating warehouses, distribution centers with THE KOREA INSTITUTE







Relocating warehouses, distribution centers





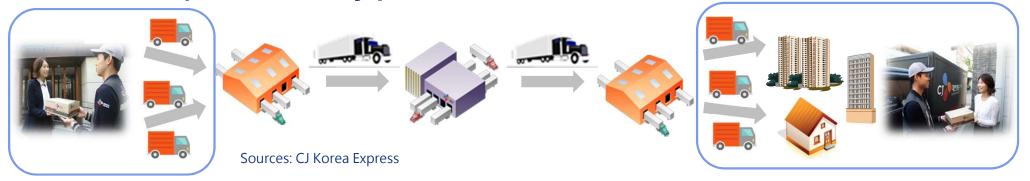


Diversifying last-mile delivery strategies





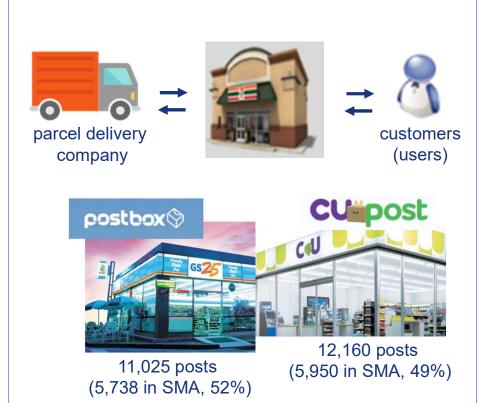
Traditional parcel delivery process



Rockers



Convenience Stores



Diversifying last-mile delivery strategies





- Biz model 1: Doorman Parcel Delivery
 - DOORMAN LOGIS
 - pick up and drop off packages on behalf pf customers
 - deliver the stored packages on time and to the designated place customers want
 - Buy and deliver grocery









Sources: doorman.co.kr, Korea Logistics News

Diversifying last-mile delivery strategies





Biz model 2: HOMEPICK





customer orders

pick up

consolidated within 1 hour at a gas station parcel service

delivered by

customer receives







사진제공=줌마

Source: Zoomma, "HOMEPICK" Brochure

Delivering faster and faster



- next day delivery
 - coupang "Rocket Delivery"







Source: chosun.com, July 18, 2017

- instant delivery
 - "Quick Service" by motorcycles



Delivery via subway

Delivering faster and instantly



METROFREIGHT

- automatic wheel sorters introduced
 - faster delivery by shortening sorting time (▽1~2hours)
 - 2-time round trips for delivery possible
 - more packages delivered within a day



Growing market



- More diverse items delivered
 - durable and nondurable goods including all kinds of grocery and food (inc. ingredients)
 - Instant delivery systems









- Linked with other services
 - laundry cleaning and delivery
 - warehousing and delivery



















Storage



Cloud

KOTI enriches the future by securing harmony among humans, the environment and transport.



Any Questions, email Jee-Sun LEE at jeeslee@koti.re.kr

KOTI: http://www.koti.re.kr