Recent developments in payment systems

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The views expressed in this presentation are those of the author and do not necessarily reflect those of the BIS
BIS key objective

- Promoting monetary and financial stability

- Standing committees located at the BIS support central banks and authorities in charge of financial stability
  - Committee on Payments and Market Infrastructures (CPMI)
The Committee on Payments and Market Infrastructures (CPMI)

- Promotes the safety and efficiency of payment, clearing, and settlement systems (PCSS) and related arrangements
  - Monitors and analyses PCSS developments both within and across jurisdictions
  - Forum for CB cooperation in PCSS matters
  - Global standard setter
    - strengthening PCSS regulation, policy and practices worldwide
  - Cooperation with other standard setters: IOSCO, BCBS, CGFS, IOSC and public sector bodies
The CPMI Red Book and other payment statistics publications

- The Red Book
  - Reference works on PCSS in the CPMI countries
  - Published (annually) since 1980
- Other publications on PCSS
  - The "Blue Book" by the ECB
  - The "EMEAP Red Book" by the Executives' Meeting of East Asia Pacific Central Banks
  - The "Green Book" by the SADC
  - The "Silver Book" by the Commonwealth of Independent States Payment and Securities Settlement Initiative
  - The "Yellow Book" by CEMLA and the World Bank
Statistics available in the CPMI Red Book

- Settlement media used by banks and non-banks
- Indicators of retail payment instruments
  - payment cards
  - terminals
- Wholesale systems used among banks
  - Interbank funds transfer systems (IFTS)
  - SWIFT
- Securities and derivatives trading platforms
- Central counterparties (CCPs), clearing houses and settlement systems
- Systems used to perform cross-border transactions
Characteristics of the Red Book statistics

- Long time series
  - Each Red Book covers the past five years
  - Annual data starting in 1987 are available:
    - Published in pdf format on the BIS website
    - Upon request, the BIS provides data starting from 2000 in electronically downloadable format
- Cross-country comparative tables
- Qualitative information available on a cross-country basis on interbank funds transfer systems, exchanges and trading systems, central counterparties, clearing houses and central securities depositories
Some examples of Red Book data uses

- Currency in circulation outside banks
- Cashless payment transactions by non-banks
- Cards issued per inhabitant
- Number of ATMs per million inhabitants
Currency in circulation outside banks

As a percentage of GDP

Graph 1

Advanced economies: high usage

Advanced economies: low usage

Emerging markets: high usage

Emerging markets: low usage

Source: BIS statistics on payment, clearing and settlement systems in the CPMI countries.
Cashless payment transactions by non-banks

Cashless payment transactions by non-banks: total number of transactions

Number per inhabitant

Graph 2

Advanced economies: high usage

Advanced economies: low usage

Emerging markets: high usage

Emerging markets: low usage

Source: BIS statistics on payment, clearing and settlement systems in the CPMI countries.
Cards issued per inhabitant

Cards issued in the country

Number per inhabitant

Advanced economies: high usage

Advanced economies: low usage

Emerging markets: high usage

Emerging markets: low usage

Source: BIS statistics on payment, clearing and settlement systems in the CPMI countries.
Number of ATMs per million inhabitants

Terminals located in the country: total number of ATMs

Number of terminals per million inhabitants

Graph 4

Advanced economies: high equipment

- Canada
- Belgium
- Australia
- Japan

Advanced economies: low equipment

- Sweden
- Italy
- Netherlands

Emerging markets: high equipment

- Korea
- Brazil
- Russia

Emerging markets: low equipment

- India
- China
- Mexico

Source: BIS statistics on payment, clearing and settlement systems in the CPMI countries.
Latest Red Book is available under:

http://www.bis.org/cpmi/publ/d155.pdf