

# TECHNOLOGY AND FINANCE: NEW RISKS PLUS NEW CHALLENGES OR TRADITIONAL RISKS IN NEW SUITS?

**Ángel Estrada**

Director General, Financial Stability, Regulation and Resolution

CITY WEEK “MEETING GLOBAL CHALLENGES THROUGH INNOVATION”

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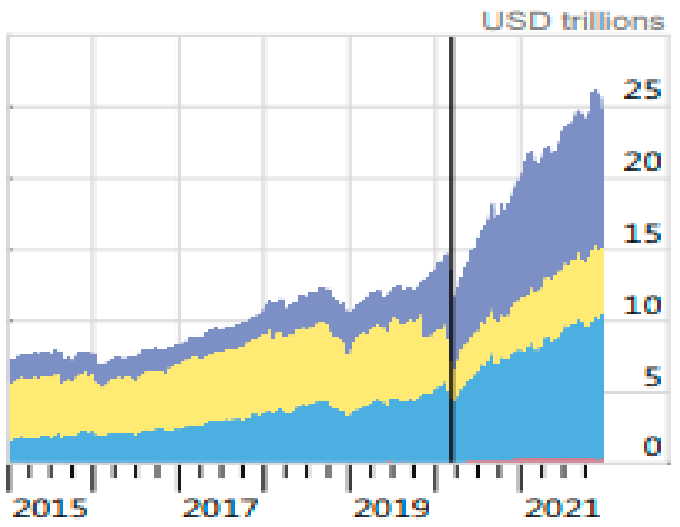


- 1. Introduction**
- 2. How technology is changing the financial system**
- 3. Key risks plus levers to address them**
- 4. Conclusion**



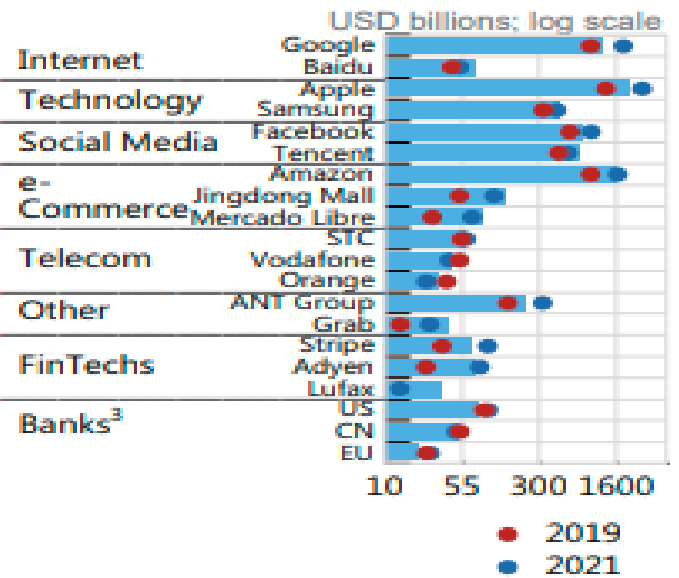
## Performance of BigTechs, FinTech and incumbents during Covid-19 Graph 1

Shares in US equity markets<sup>1</sup>

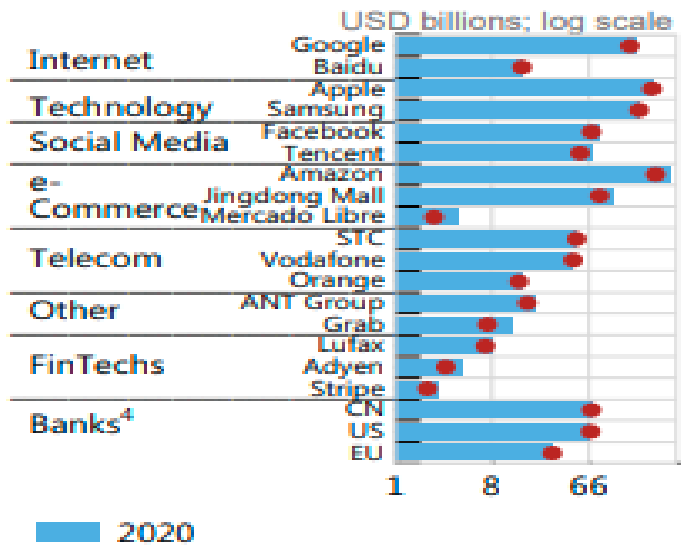


Market capitalisation of US:  
■ FinTechs    ■ Financials  
■ BigTechs    ■ Other<sup>2</sup>

Market capitalisation of selected BigTechs, FinTechs and banks



Revenues of selected BigTechs, FinTechs and banks



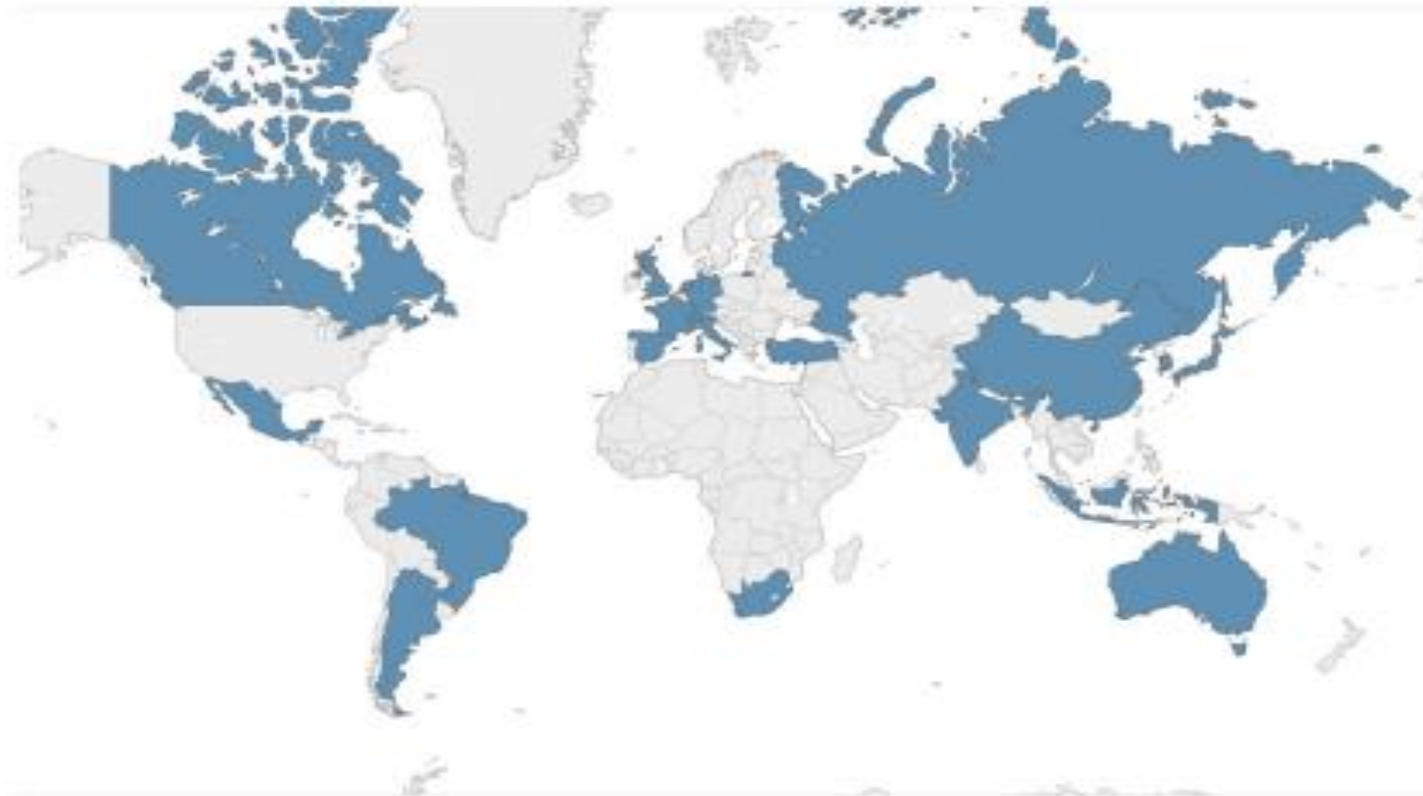
<sup>1</sup> The vertical line denotes 11 March 2020, when the WHO characterised Covid-19 as a pandemic. <sup>2</sup> Calculated as the market capitalisation of S&P 500 and Nasdaq minus the market capitalisation of FinTechs, BigTechs and financials. <sup>3</sup> Many FinTechs are not publicly listed. In these cases, data on market capitalisation and revenues are drawn from news sources. <sup>4</sup> Average market capitalisation of banks in the S&P 500 index, EuroStoxx Banks index and Shanghai Composite index. <sup>5</sup> Average revenue, weighted by market capitalisation, of banks in the S&P 500, EuroStoxx Banks index and Shanghai Composite index.

Sources: Bloomberg, Eikon, S&P Capital IQ; FSB calculations.

## Prevalence of data, innovation, RegTech, and SupTech strategies amongst supervisors

Authorities with one or more strategies in place are shaded in blue

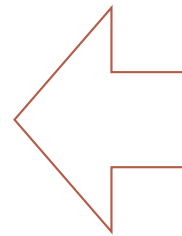
Graph 4



Source: FSB survey

- Cost-benefit analysis:
  - First obstacle, data scarcity: need for international cooperation across relevant authorities
- Potential benefits, including:
  - Financial inclusion, deeper reach to underserved customers
  - Efficiency gains, lower costs, time-saving solutions
  - Enhanced data analytics, combining big data with AI/ML

- **Crypto-assets:**
  - Unbacked crypto-assets
  - Stablecoins
  - Tokenised traditional assets



## Levers

- Warnings to customers/investors
- International – FSB principles for Global SC
- European – MiCA Regulation
- EU COM pilot regime

➤ *CBDC developments could have important implications for the financial system and would warrant a dedicated keynote speech*

- Exposure to crypto-assets
- Operational risk (including third and fourth-party dependencies)
- AI/ML explainability and accountability

## Levers

- BCBS prudential treatment of crypto-asset exposures
- PSMOR/POR and EU DORA
- Risk management and supervisory guidance and oversight



- Competition
- Business model sustainability
- Digital fraud
- **Macro perspective: lack of a broad toolkit**



## Levers

- Entities vs activities regulation
- Same business, same risk, same rules
- Cyber-risk controls, financial and digital education for customers

- Rapid development, cost-benefit analysis is needed, including how regulation can mitigate risks. Need to fill in data gaps for the monitoring and identification of risks.
- Efficiency gains, but also risks.
- Traditional risks such as liquidity runs, with higher systemic risks as a result of the use of technology (higher speed and coordination).
- Same business, same risk, same rules, plus a cautious initial approach.
- Need to keep up with the pace of developments on the regulatory and supervisory side, including from a macroprudential perspective.
- But risk management and industry awareness will continue to be key.

Thank you for your attention

