

FinTech and the Four Horsemen: Building Stable, Resilient, Inclusive, Sustainable Financial Systems

Douglas W. Arner

Kerry Holdings Professor in Law & RGC Senior Fellow in Digital Finance

University of Hong Kong

Douglas.Arner@hku.hk

- [FinTech and the Four Horsemen of the Apocalypse by Douglas W. Arner, Ross P. Buckley, Dirk A. Zetsche :: SSRN](#)
- https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4211974

Central bank / financial regulatory objectives: Evolution

- Early 1900s – early 1970s: monetary stability (gold standard), financial stability (lender of last resort)
- 1982-2008: monetary stability (inflation, fiat, independence), prudential regulation, efficiency / market development, consumer / depositor / investor protection / fairness
- Post 2008: financial stability (micro / macro), monetary stability, market integrity, consumer / depositor / investor protection / fairness
- Post 2020: Resilience, sustainability

Central bank and regulatory objectives: Pre 2020 focus

- Monetary stability
- Financial stability
- Payments
- Macroeconomic policy
- Consumer / investor / depositor protection / fairness
- Efficiency / market development
- Market integrity

Covid impact

- Digitization
- Payments and payments infrastructure: G20, central bank digital currencies
- RegTech / SupTech
- Digital identification: individual / business
- BigTech / concentration / data

Looking forward: Major Themes

- Technology
- Sustainability
- Globalisation vs fragmentation

Sustainability and Covid: Resilience

- Finance in 2008
- Finance in 2020
- Financial inclusion pre 2008
- Financial inclusion post 2020
- Sustainability and other crises: disease, famine, disaster, war

Sustainability post Covid

- SDGs
- Risks
- Mitigation
- Transition
- Innovation

Central bank objectives post Covid

- Monetary stability
- Financial stability
- Resilience / Inclusion / Sustainable development

- Payments
- Consumer / depositor / investor protection
- Market integrity

Lessons

- Digital inclusion
- Infrastructure: payments, accounts / wallets, IDs
- Regulation: proportional graduated risk-based approach, regtech / supotech / digital financial infrastructure, sandboxes / piloting / test-and-learn
- Ecosystem: data, R&D, human capital, innovation hubs