# The Role of Technology in Shifting the Institutional Structure of Markets

**Panel Session** 

Presentation at OJK-ADB International Seminar *"Navigating Financial Stability in an Evolving Global Economic System", Bali* on 14 July 2017 Aznan Abdul Aziz

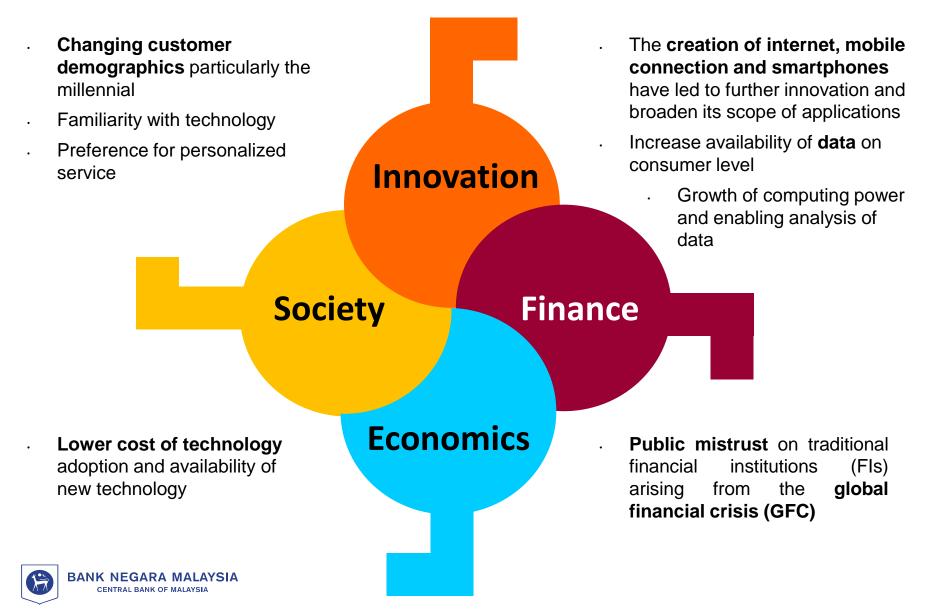


### While the idea of fintech is not new, its scope of application is now more pervasive

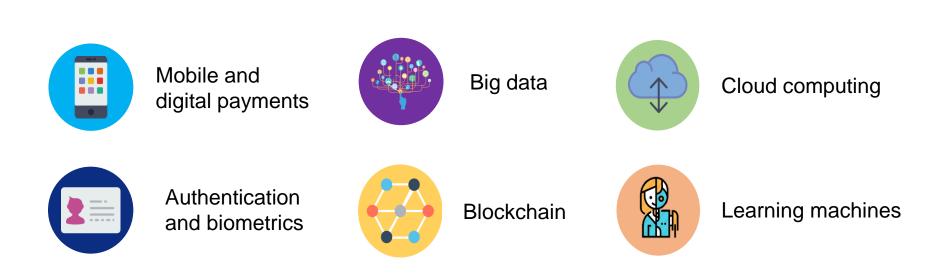




#### **Recent surge in fintech – The Drivers**



## New technologies to leverage on for improved financial services delivery capability





## Potential benefits that may be harnessed by leveraging on new technology



**Provide value added and customer focus services** through the delivery of customised solutions (e.g. biometric technologies, big data and predictive analytics)



**Serve "untapped markets"** which would not otherwise be cost-effective.



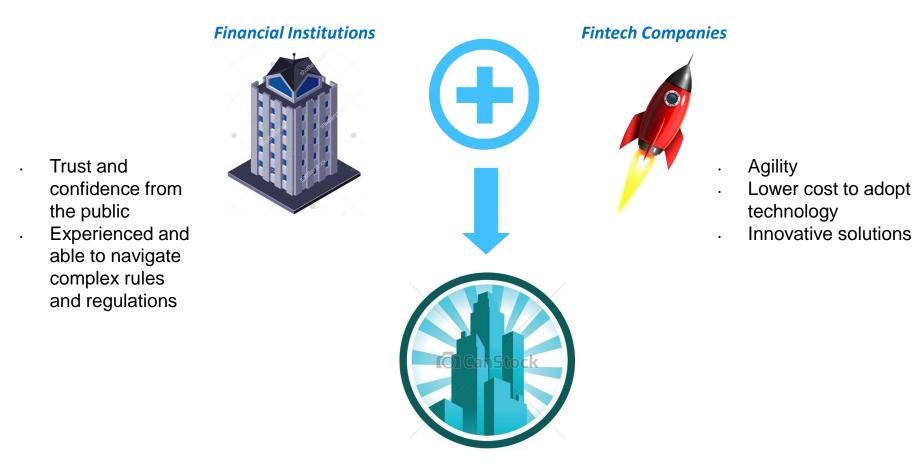
**Improve market and system efficiency** through the use of predictive analytics to undertake real time risk simulation and management



Enhance compliance and regulatory productivity to meet compliance and reporting obligations



#### **Exaggerated forecast of financial institutions' demise**

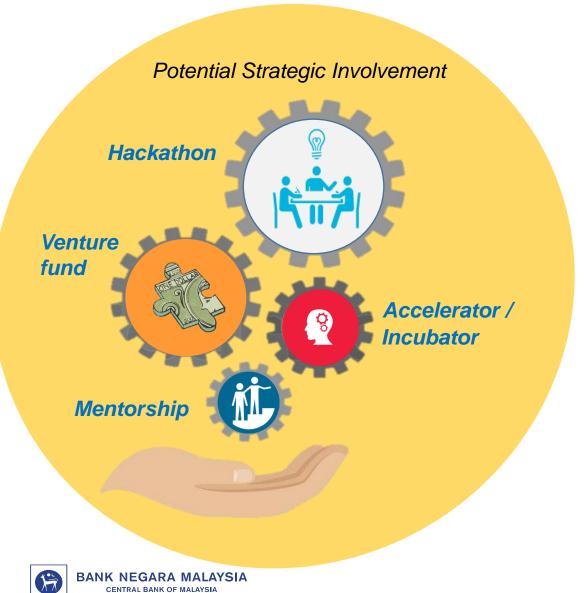


A vibrant financial system



BANK NEGARA MALAYSIA CENTRAL BANK OF MALAYSIA

#### **Embracing the fintech revolution**



Mindset shift

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Responsive and agile

Talent investment / development

Innovation catalyst

# Regulatory Sandbox allows innovation of fintech to be deployed and tested in a live environment, within specified parameters and timeframes

Sandbox complements the Bank's proportionate regulatory regime

#### **Motivation**



Remove regulatory barriers or uncertainty and allow us to review our regulations



Lower cost of testing new ideas and faster time to market

Fine-tuning of products/solutions prior to launch



Evaluate impact and monitor unintended consequences

Reduce risk, contain the consequences of failure and protect financial stability

#### **Features**



Build (almost) anything you want

In a safe environment, with clear boundaries and safeguards

We may relax some (but not all) of our rules

Consequences of failure can be contained



#### Key features of Financial Technology Regulatory Sandbox Framework



- Regulatory sandboxes cannot be used to circumvent existing regulations, and are therefore not suitable for activities/solutions that are already allowed under existing regulations.
- Regulatory Sandbox does not serve as an endorsement tool for fintech solution.
- In addition to regulatory sandboxes, the Bank will also provide 'informal steer' to guide individual FIs/Fintech companies.



#### Applications to Sandbox are from diverse range of fintech services

Four has been approved to commence testing



**GoBear** metasearch online insurance product aggregator



GetCover online insurance product aggregator



WorldRemit end-to-end e-remittance solution incorporating digital verification process



MoneyMatch peer-to-peer currency exchange and remittance platform

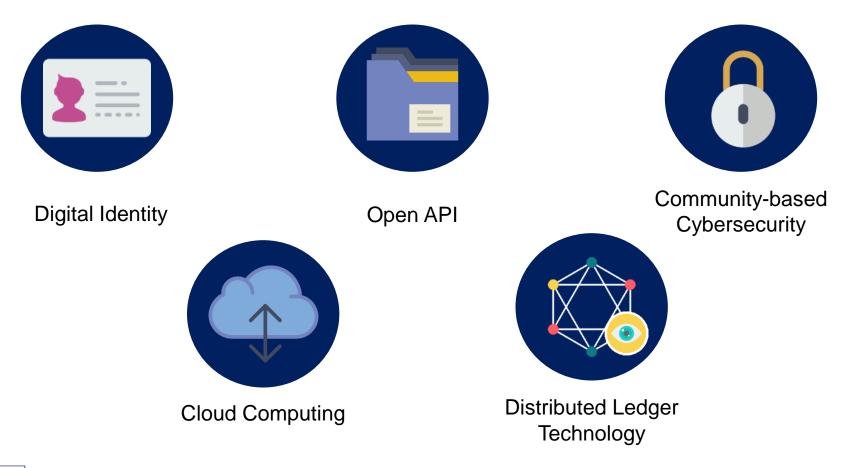
#### 4 more on the way.....





#### Beyond Sandbox, key areas to look forward to

The Bank has identified 5 key enablers to develop vibrant fintech ecosystem:



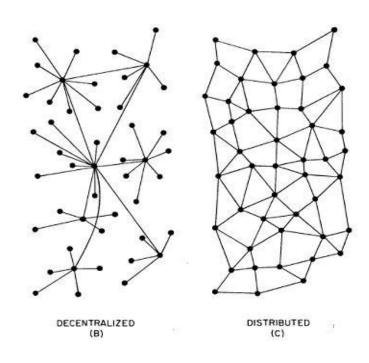


### Implications on Structure of Markets and Regulators



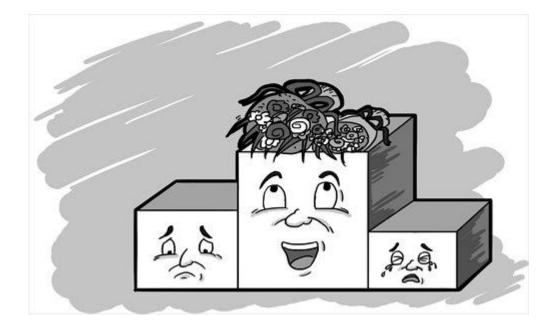
#### 1. Disintermediation and effectiveness of policy transmission







#### 2. Winner takes all and concentration of markets







#### 3. More Information = More Exclusion?



#### **Concordat and Moratorium on Genetics and Insurance**

Data model should take account of biases

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4. Do we evolve from supervising people and behaviour to regulating codes and algorithms?







5. High time for Privacy 2.0?







### Thank you

