

From Renovation to Innovation

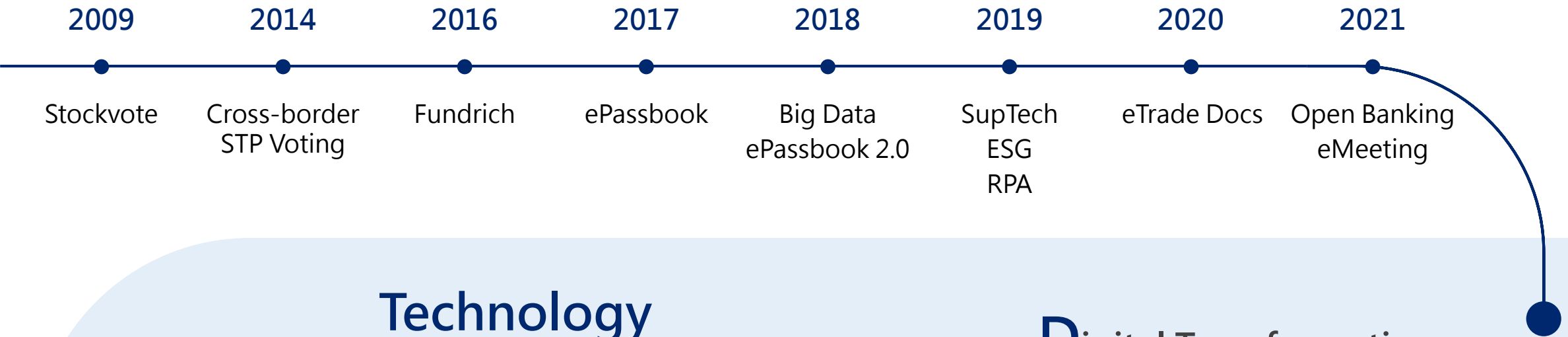
TDCC's journey toward an innovative, resilient and sustainable future.

Gary Huang

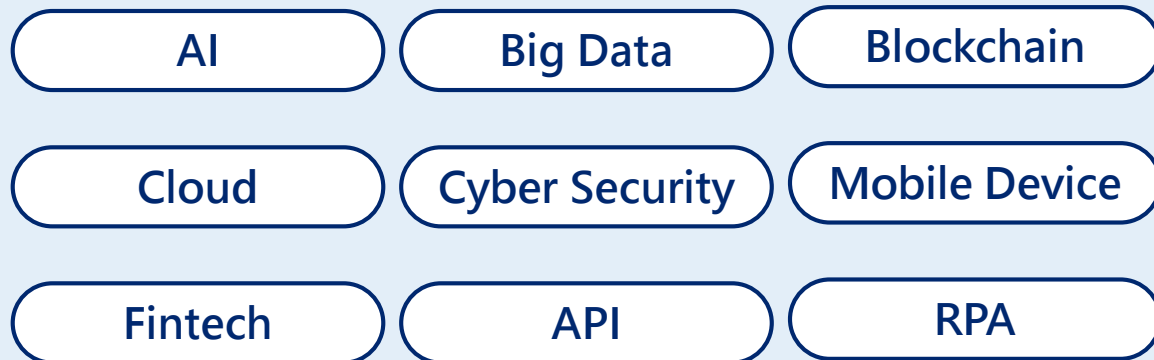
Equity Services Department, TDCC

2022.11.8

Innovation Journey of TDCC



Technology



Digital Transformation

Reshape Business

Investors Connectivity

From Renovation

Start from Renovation | Solutions to pain points

Market Pain Points

- **Paper Passbooks Replacement**
 - Breakpoint in online account opening process
 - Multiple securities accounts management for investors
- **Inefficiency of Shareholders Meeting**
 - Over-concentration of meeting date
 - Meeting process is costly and time consuming
 - Lack of digital channels in communication with shareholders



Solutions



- **ePassbook App in 2017**
 - Electronic passbook with multiple accounts into one APP
 - Aggregation of assets information under TDCC custody
- **Stockvote Platform**
 - Participating meeting electronically through website in 2009 and mobile devices in 2014
 - Embedded to ePassbook in 2017

Milestone of ePassbook App

Asset Aggregation

Data Visualization

Push Notification

- Participation in Open Banking
- Offshore fund asset included

2021

- Onshore fund asset included
- Asset trend graphs

2019-
2020

2018
ePassbook
2.0

- Asset pie chart
- Market information

2017
ePassbook

- Multiple accounts in one App
- Direct access to e-Voting

2022

3.5mn Account users

500k MAU

85% New investors
Registration



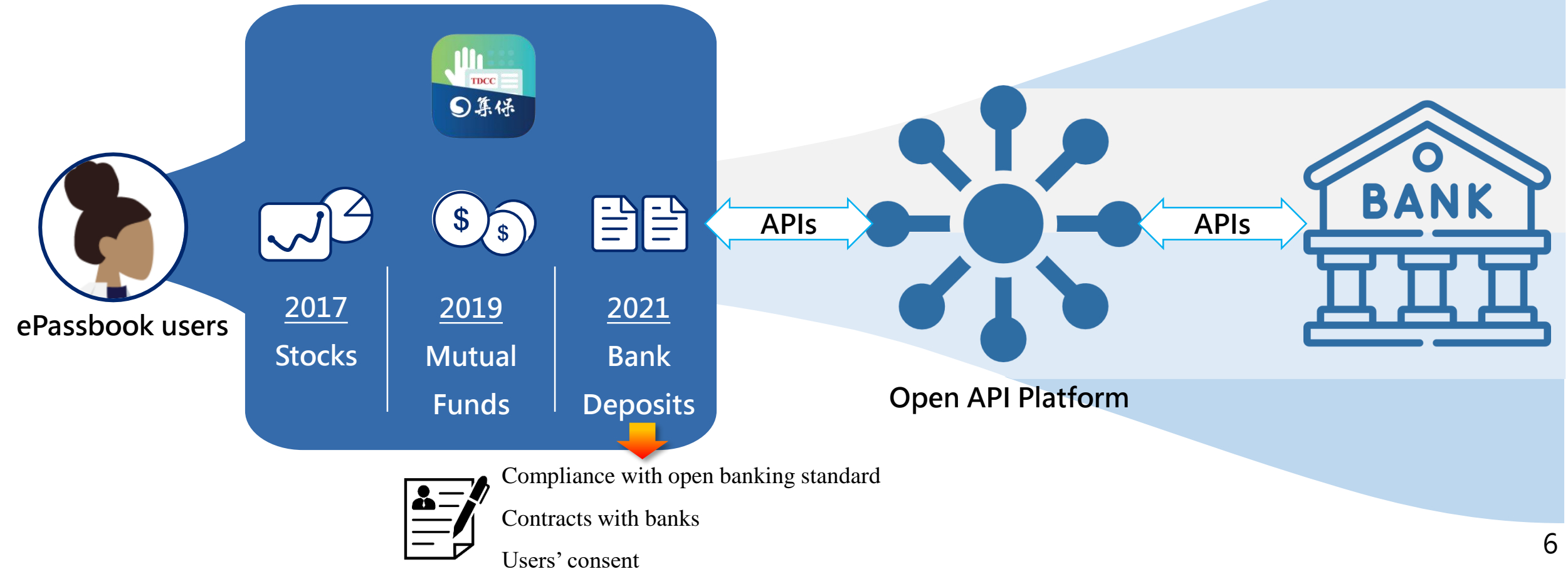
The Bridge of Securities Market

ePassbook has become the bridge between market participants and investors



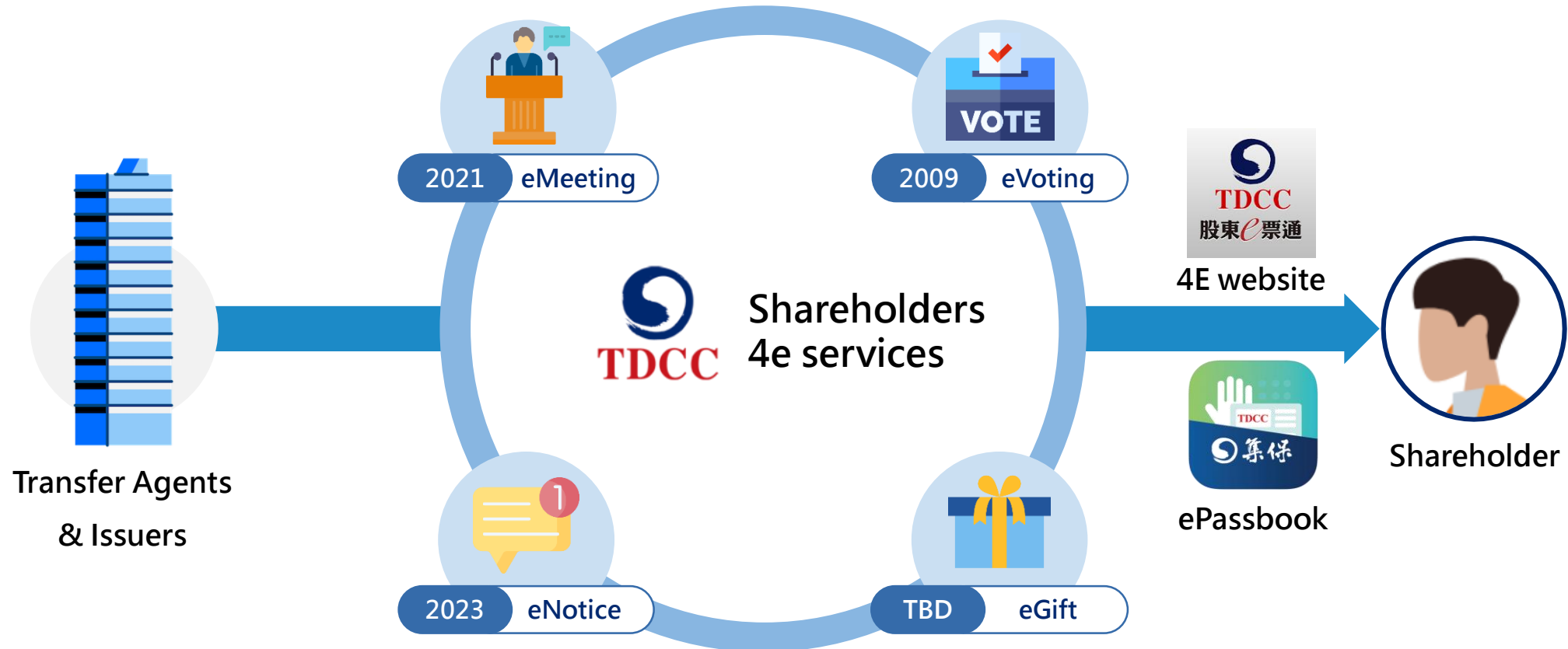
ePassbook asset aggregation

- In response to Open-banking Policy
- TDCC served as a TSP to cooperate with banks
- Partnered with 14 banks, accounts for 80% of market share



4e issuer services

- Shareholder activities are completed electronically & efficiently
- eVoting rate: 60%; Foreign investors' electronic voting rate: 98%
- Reduce operational costs of shareholders activities



ESG solution

Background

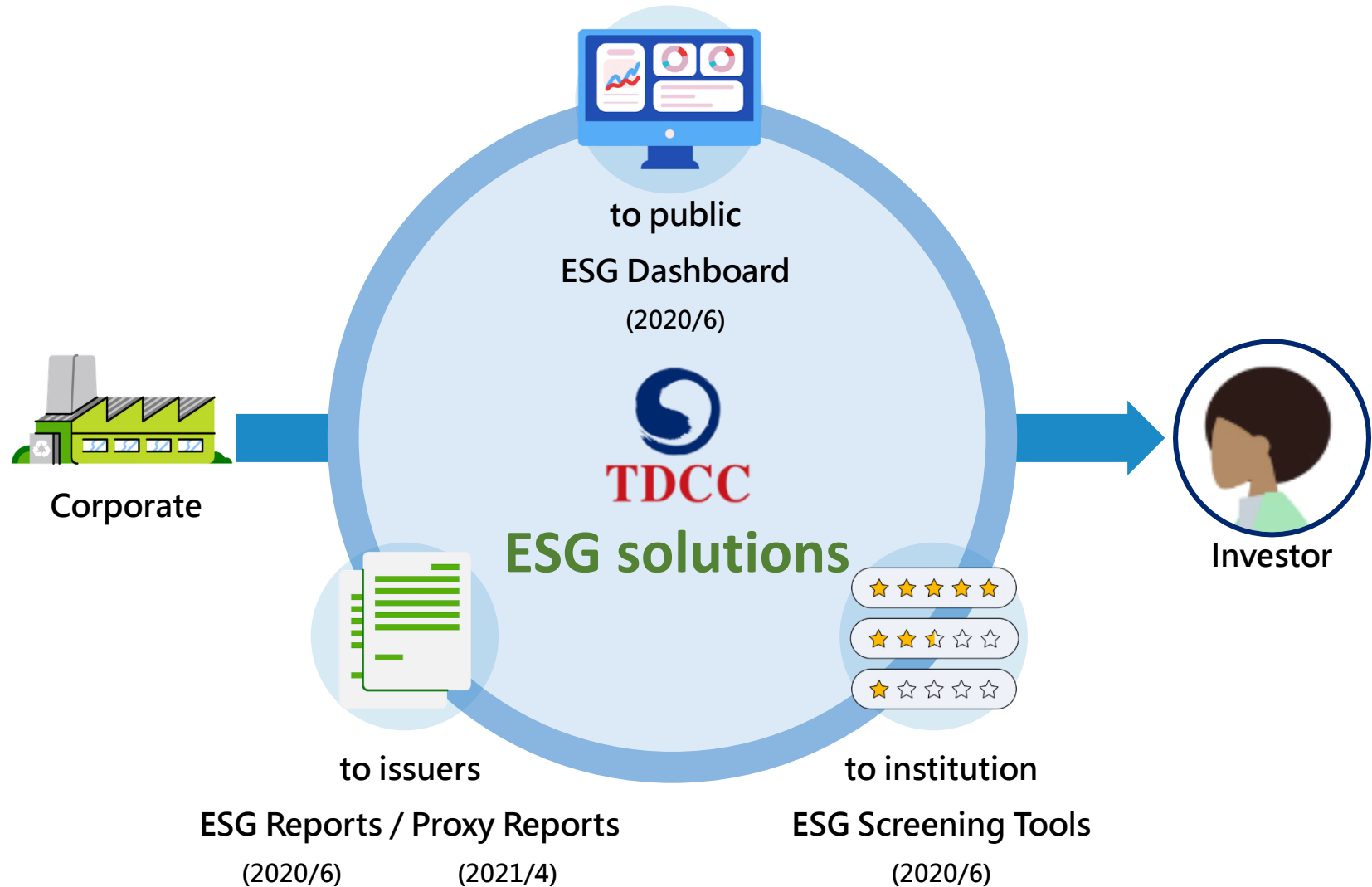
- Mainstream of ESG sustainable investment
- ESG solutions with 3 Pillars launched in 2020

Benefits

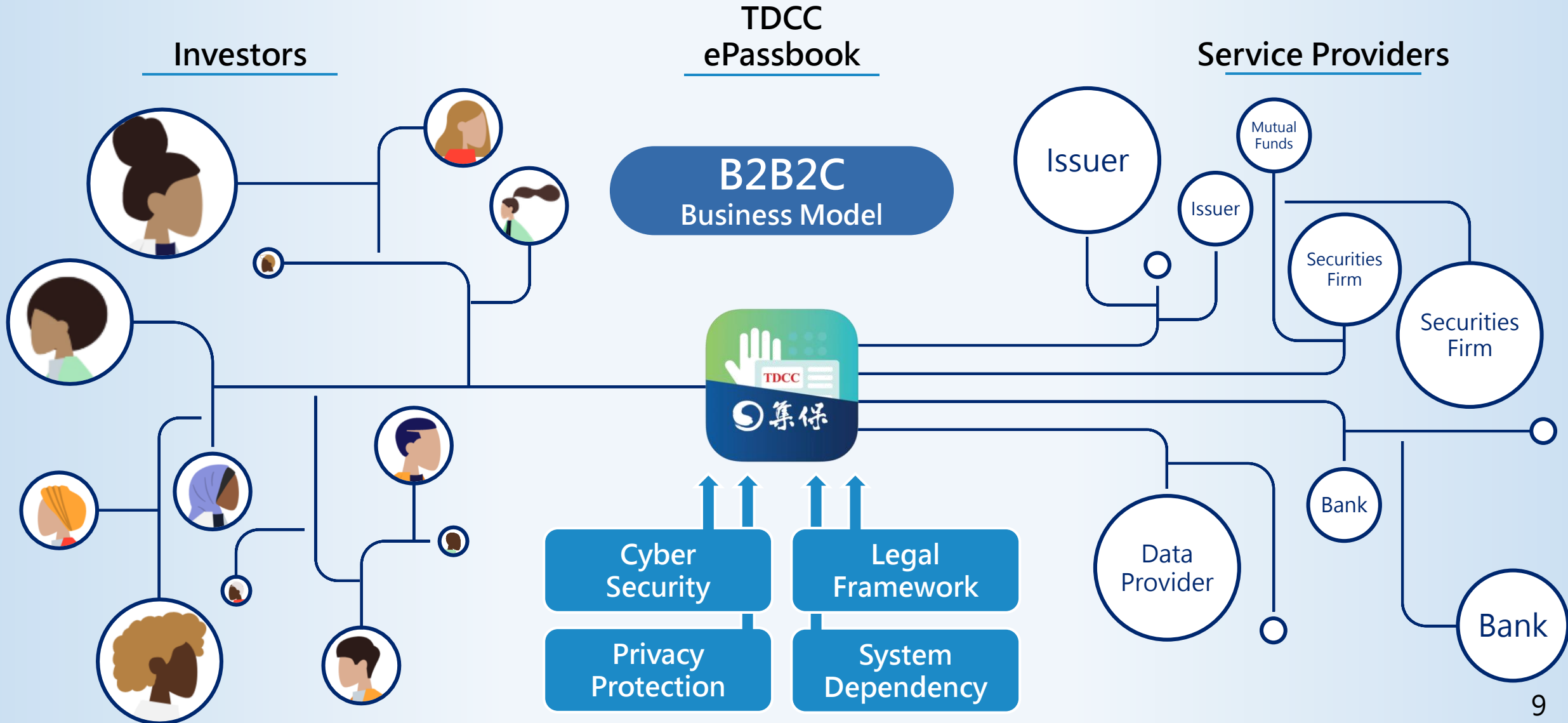
- Booster of public accessibility on ESG
- Improvements of ESG disclosure quality

TBD

- Voting disclosure
- Performance reviews of sustainable investment portfolios
- Climate reports



One Channel, Multi-Functions



Strategic direction of TDCC

Innovation

Resilience

Sustainability



- **Energetic, Agile, Responsive and Inclusive**
- **Ability to persist and face uncertainties in future**
- **Facilitate open finance and financial inclusion**



TDCC

Innovation, Resilience & Sustainability

Thank you

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