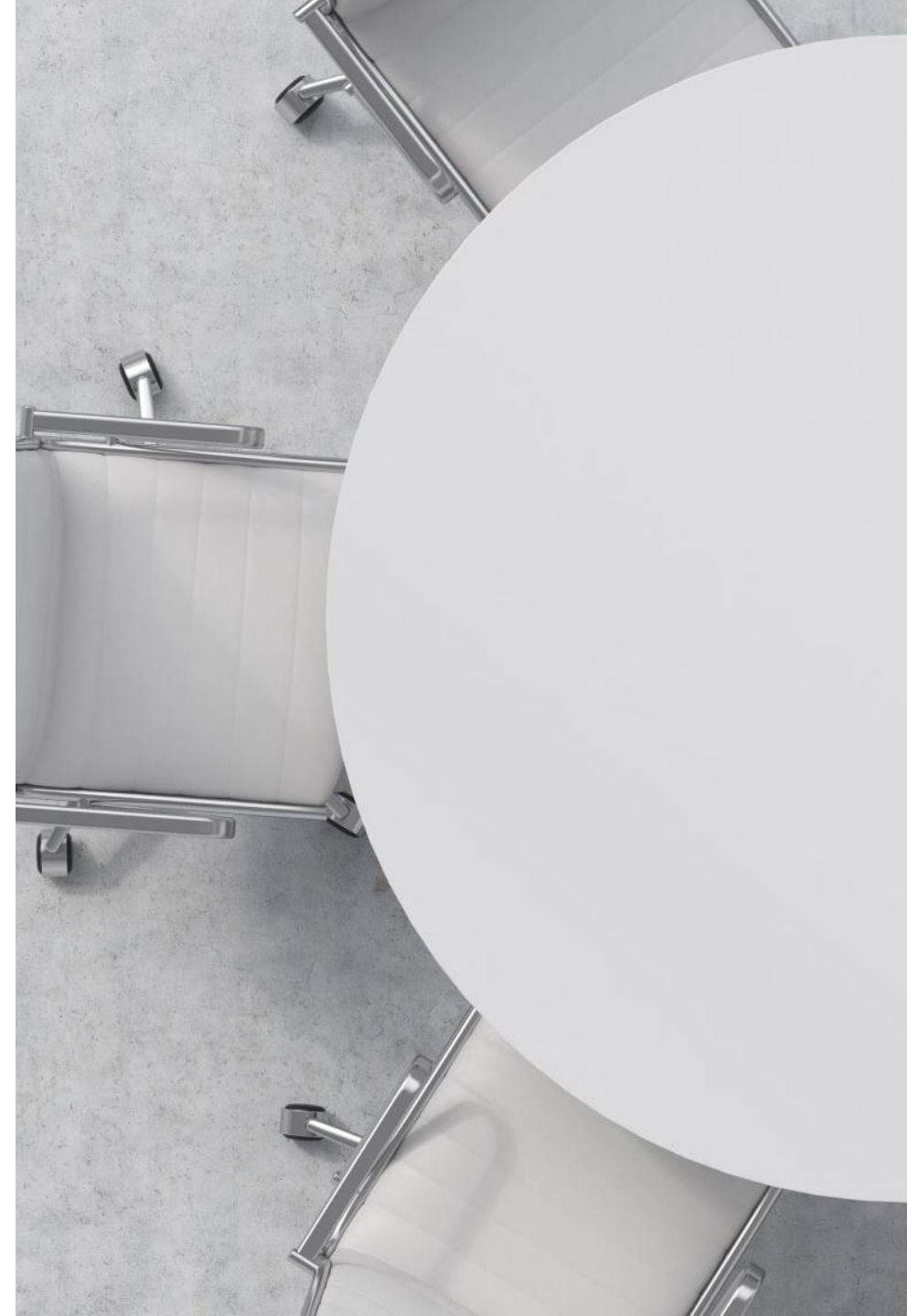


CLASS TALK #2:
WHAT WILL THE
CORE OF FUTURE
REGULATION?

EE431



Innovation in Financial Sector



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How PeerPower works

We're not a bank; We connect business owners with investors through a trusted platform.



Borrower

Uses loans for business purposes; working capital, expansion, refinancing; and repays loans

PeerPower

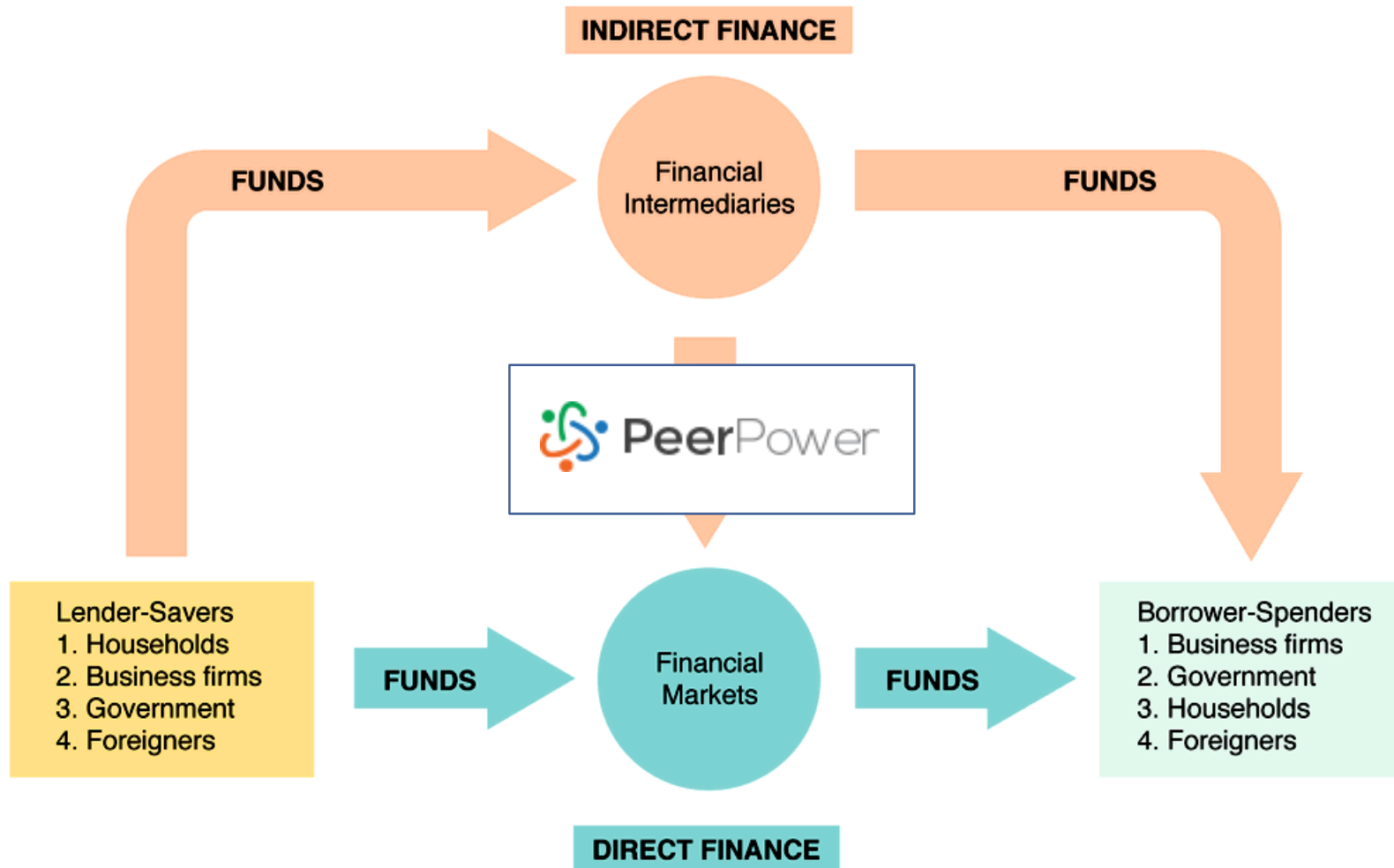
Screens borrowers through credit scoring and offers a loan quote

Investor

Earns monthly cashflows and diversifies your investment portfolio

<https://www.peerpower.co.th/en>

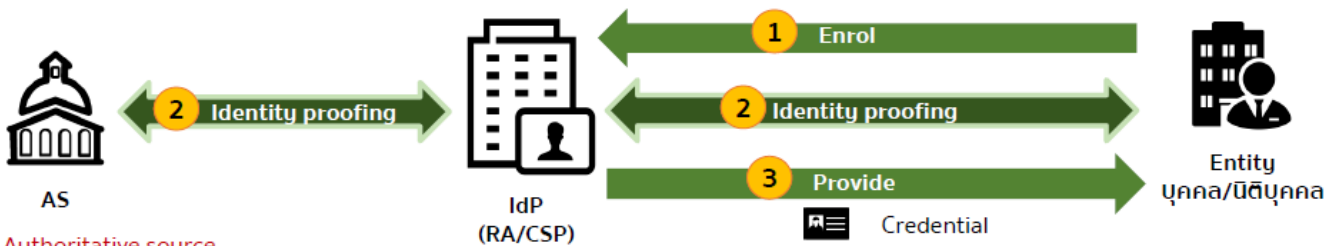
Innovation in Financial Sector





Enrolment & Identity Proofing

IdP = Identity provider
ผู้ให้บริการอัตลักษณ์ (IdP) คือ เอนทิตีที่นำเชื่อกิตซึ่งทำหน้าที่สร้าง และบริหารจัดการอัตลักษณ์และข้อมูลยืนยันตัวตนของผู้ใช้บริการ



AS = Authoritative source
หน่วยงานหรือเอนทิตีที่สามารถเข้าถึงข้อมูล
ที่เชื่อถือได้ ทั้งนี้ เอนทิตีนี้อาจเป็นเจ้าของ
ข้อมูลเองได้

NATIONAL DIGITAL ID



WHAT IS **DIGITAL IDENTITY**?

A digital identity is a type of identity format where an individual's identity is represented through digital means.

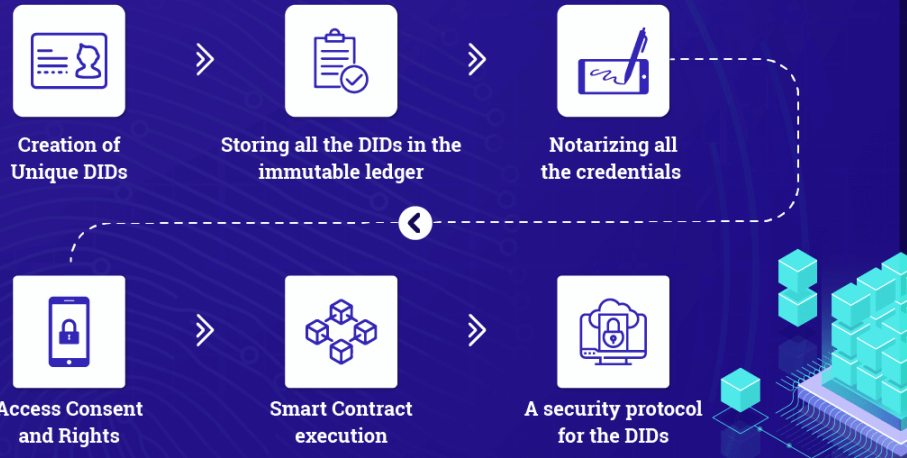
WHAT IS **SELF-SOVEREIGN IDENTITY (SSI)**?

A self-sovereign Identity is actually a form of digital identity that solely belongs to the individual or organization. It means that the owner will have full control over the data and sharing ability.

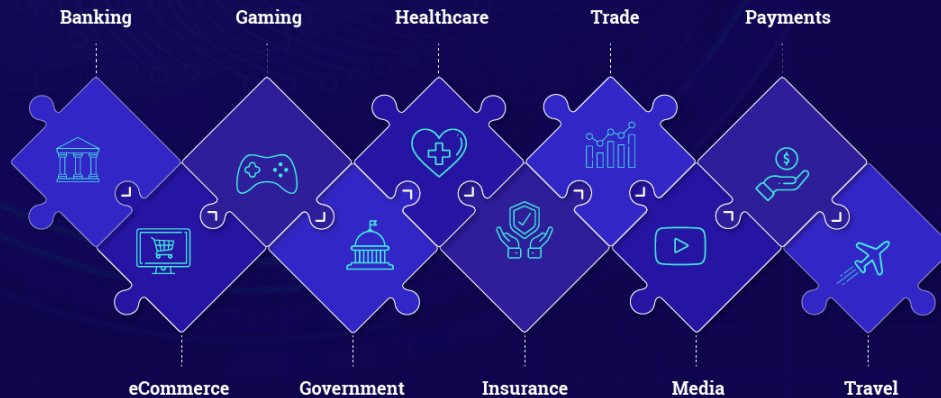
ISSUE OF **TYPICAL IDENTITY MANAGEMENT SYSTEM**

- Bad Password Combination
- Failure due to Manual Provisioning and De-Provisioning Process
- No regulations for access restriction
- Low Security for identities in devices and browser
- Applications not being up to date
- Not utilizing security measures
- Multiple administrative models for multiple application creates inconsistency
- Lack of device management with an identity In BYOD
- Same Repetitive KYC or registration process
- Identity risk
- Weak Authentication Protocols
- Only Centralized servers giving out identities
- Companies can easily mishandle personal information
- Persistent identity hack or theft

HOW CAN **BLOCKCHAIN HELP** FOR DECENTRALIZED IDENTITY?



USE CASES OF **DECENTRALIZED DIGITAL IDENTITIES**



NATIONAL DIGITAL ID



Thailand to test central bank digital currency with 'Project Inthanon'

Caroline Preece | Crypto, News on Jun 7th, 2018 at 3:20 pm

CENTRAL BANK DIGITAL CURRENCY

Money

Crypto

Cash/Coin
s



e-money



Central Bank
Digital Currencies
(CBDCs)

Wholesale



Retail



Privately-issued
cryptocurrencies

Payment-like

Utility Settlement Coin

J-Coin



Asset-like / Utility

omise^{go}

Decentralized
cryptocurrencies

bitcoin

ethereum

litecoin

CENTRAL BANK DIGITAL CURRENCY

Class talk #2



What will happen to the financial system of the future?



What is needed in regulating innovation in financial sector?



Will Thailand be able to cope with these changes?

Class talks

- Students should arrange into 8 groups.
- There will be **two** talks on issues related to JEP articles and content in class.
- At each talk, each group summarizes related JEP articles, **one** page for **each** article, and submit to the lecturer.
- At each talk, each group present your own idea about the topic of the talk with Powerpoint (or something similar) not exceeding **three** pages. The presentation can cover anything related to the topic.
- At each talk, **four** groups will be selected to present their own idea about the topic of the talk.
- After that, class will discuss about current development and what will happen in the future.