Layered Architecture and Data Ownership
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Taipei, Taiwan

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http://www.soc.kyoto-u.ac.jp/en/divisions/social_info_network/\market_and_organizational_informati\on_systems/

#whois mois.asia
Domain ID:D787490-ASIA
Domain Name:MOIS.ASIA
Domain Create Date:01-May-2008 14:56:52 UTC
Domain Expiration Date:01-May-2017 14:56:52 UTC
Domain Last Updated Date:25-Apr-2016 10:46:20 UTC
Registrant Name:Mac Yokozawa
Registrant Organization:MOIS LABORATORY
Registrant Address:Yoshidahoncho
Registrant City:Kyoto
Registrant State/Province:Kyoto
Registrant Country/Economy:JP
Registrant Postal Code:6068501
Registrant Phone:+81.16506532501
Registrant E-mail:m-yokozawa@i.kyoto-u.ac.jp
Freedom of movement

Country-to-country net migration (2010-2015)

http://metrocosm.com/global-immigration-map/
Freedom of safe use

https://cybermap.kaspersky.com/
Pacific Network Architecture
Unharmonized policies for Digital Traders

US Digital Surveillance
EU-US Privacy Shield
EU GDPR
Arabic Countries Restrictions on the use of the Internet
Russia Localization Restriction on Contents
China Great Firewall Cyber Sovereignty Cyber Security Law
Vietnam Data Localization
Thailand Restriction on the Internet
Japan Privacy Protection Law Reform

Freedom on the Net 2015
https://freedomhouse.org/
Right to own your own data.

- Who owns your personal data matters.
  - Is that your Internet provider, bank, mobile phone operator, eCommerce provider, government or yourself?
  - My photo taken by my friend .... Who is the owner?
  - Anonymized health record of my disease in hospital, who is the owner?

- Fundamental structure of digital economy
Who is your trustable partner of ownership?

• Data Brokers?
• Government?
• Bank?
• Cloud Service Providers?
• or .....None?
Data Ownership Trust Architecture

- Data Processor
- Data Controller
- Individual

Expectation of Right to Expect Proper Protection of Personal Data

Expectation of Right to Control Personal Data

CONTROL

Controllability
Responsibility
Own Data
Expectation of Human Rights in Data Ownership

必要だと思うコントロールの内容

- Right to Stop Using
- Right to be forgotten
- Right of Deletion
- Right to set Sharing Privileges
- Right to Modify
- Right to use by owner
- Right to access to own data

Post process Control
Self Control of personal data

Essential Generally important
APEC/Cross Border Privacy Rules

http://www.cbprs.org/

The APEC Cross Border Privacy Rules (CBPR) system, endorsed by APEC Leaders in 2011, is a voluntary accountability-based system to facilitate privacy-respecting data flows among APEC economies. It has four main components:

1. recognition criteria for organisations wishing to become an APEC CBPR system certified Accountability Agent;
2. an intake questionnaire for organisations that wish to be certified as APEC CBPR system compliant by a third-party CBPR system certified Accountability Agent;
3. assessment criteria for use by APEC CBPR system certified Accountability Agents when reviewing an organisation’s answers to the intake questionnaire; and
4. a regulatory cooperative arrangement (the CPEA) to ensure that each of the APEC CBPR system program requirements can be enforced by participating APEC economies.