



Intellectual Capital for  
Communities  
In the Knowledge Economy



# Innovation Platform Building

~ Intangible Agenda and Economic Growth ~

Yoshiaki TOJO

New Energy & Industrial Technology  
Development Organization (NEDO)

- 
1. Japanese Innovation System in Transition
    - Changing Landscape
    - New STI Policy Framework
  2. New Intangible Agenda
    - Knowledge Network & Dynamics
    - Innovation Platform Building
  3. New IC Manifesto ?

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# Changing Landscape

~ Impact of 3.11 ~



## Fukushima Dai-ichi Accident & Energy Shortage

- Drawing attention to Risk & Accountability of STI
- Re-thinking 20<sup>th</sup> Century Social Infrastructure

## Supply Chain & Japan Risk

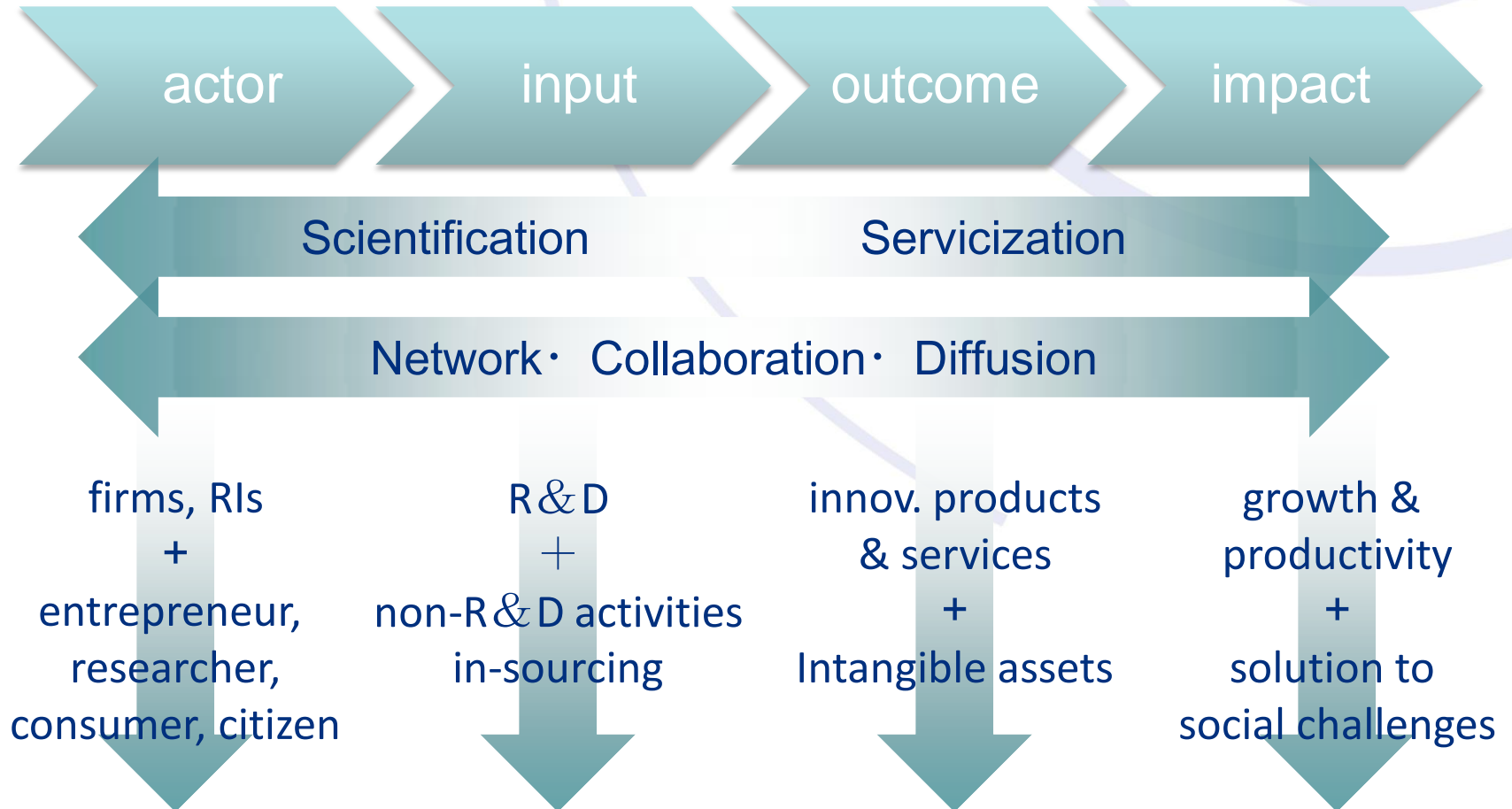
- Accelerating Globalization
- Growing needs for STI

## Human Bondage

- Preparing for Social & Local Innovation

# Changing Landscape

~ Open & Democratized Innovation ~



31 May 2012

The World Conference on Intellectual Capital  
for Communities, 8th Edition

# New STI Policies

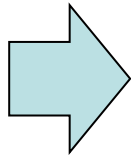
~ 4th S&T Basic Plan (2012-17) ~



Mission-oriented R&D

Innovation Focus

STI System Reform



- 3 Social Goals: Green, Life, Resilience
- S&T Innovation HQ
- Open Forum, Roadmap
- IP & Standardization Strategy

# New STI Policies

~ New Growth Strategy (2010-20) ~



- **Global Market, BoP**
- **Local Development**

New Frontier

Innovation for  
Societal Challenge

Growth Platform

- **Green Innovation**
- **Life Innovation**

- **S&T · ICT**
- **Human Resource**

Sustainable  
Growth

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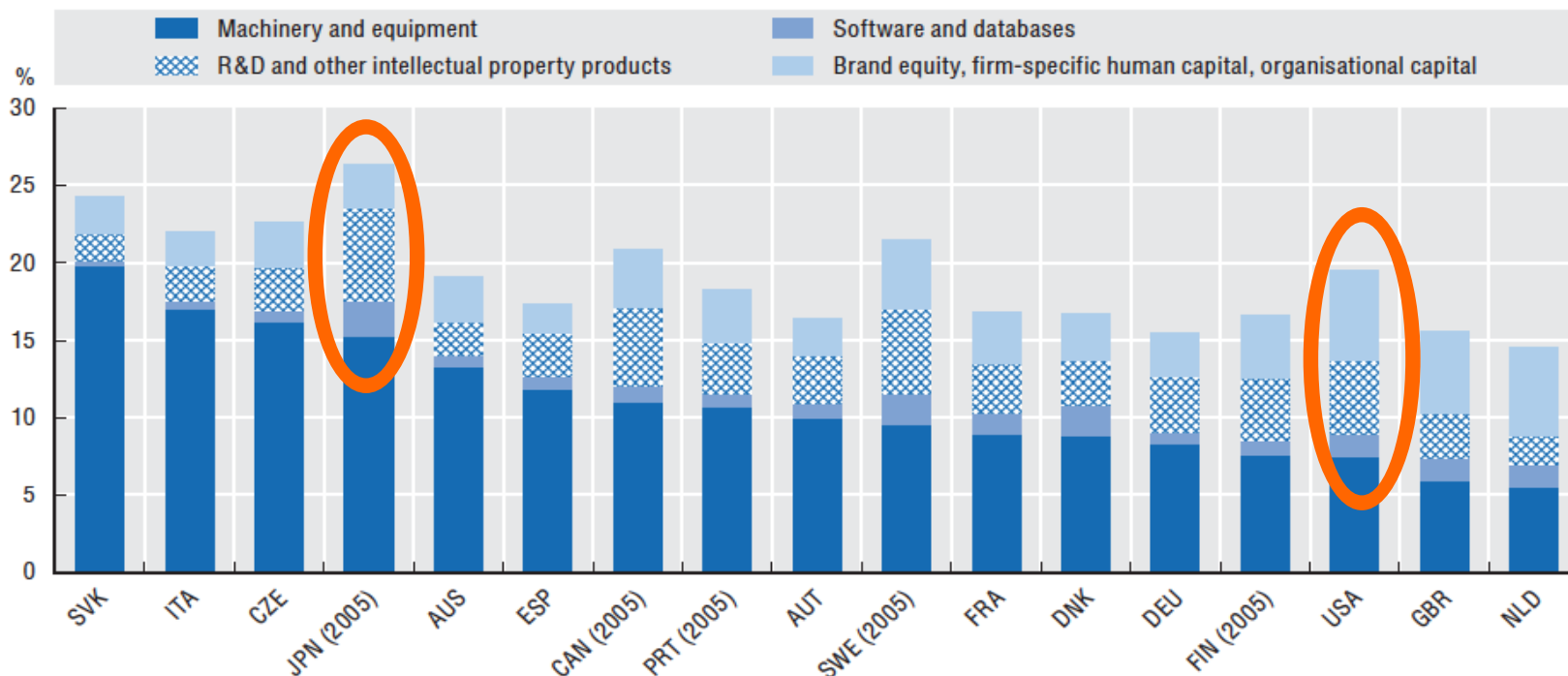
# Knowledge Network & Dynamics

~ for the better use of intangible assets ~



*We start to recognize intangible investments ...*

**Investment in fixed and intangible assets as a share of GDP, 2006**



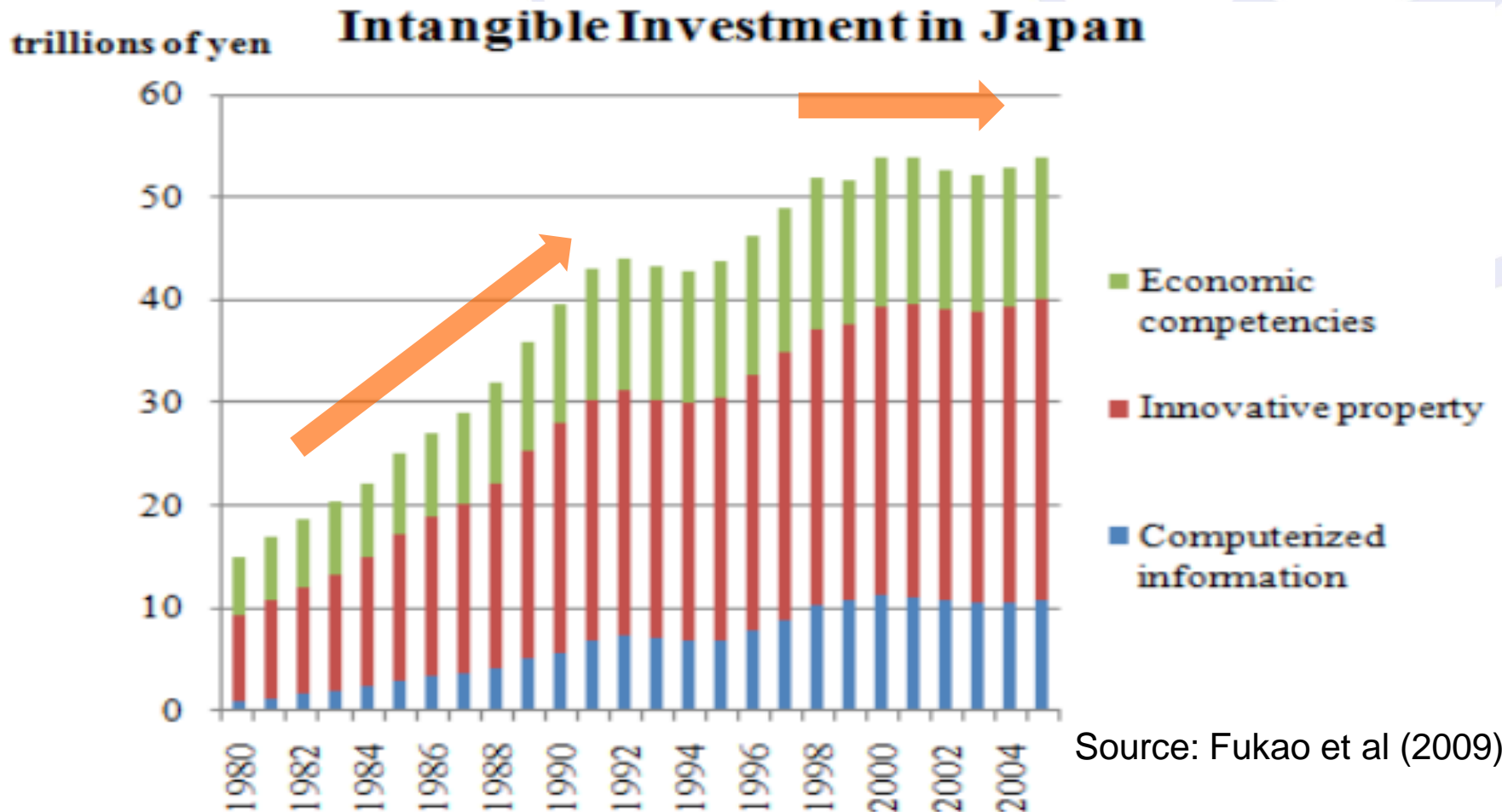
Note: Estimates are based on national studies. They do not reflect standardised methods and definitions.

Source: OECD, data on intangible investment are based on COINVEST, [www.coinvest.org.uk](http://www.coinvest.org.uk) and national estimates by researchers. Data for fixed investment are OECD calculations based on OECD, Annual National Accounts and EU KLEMS Databases, March 2010. See chapter notes.

StatLink <http://dx.doi.org/10.1787/888932484854>

# Knowledge Network & Dynamics

~ for the better use of intangible assets ~



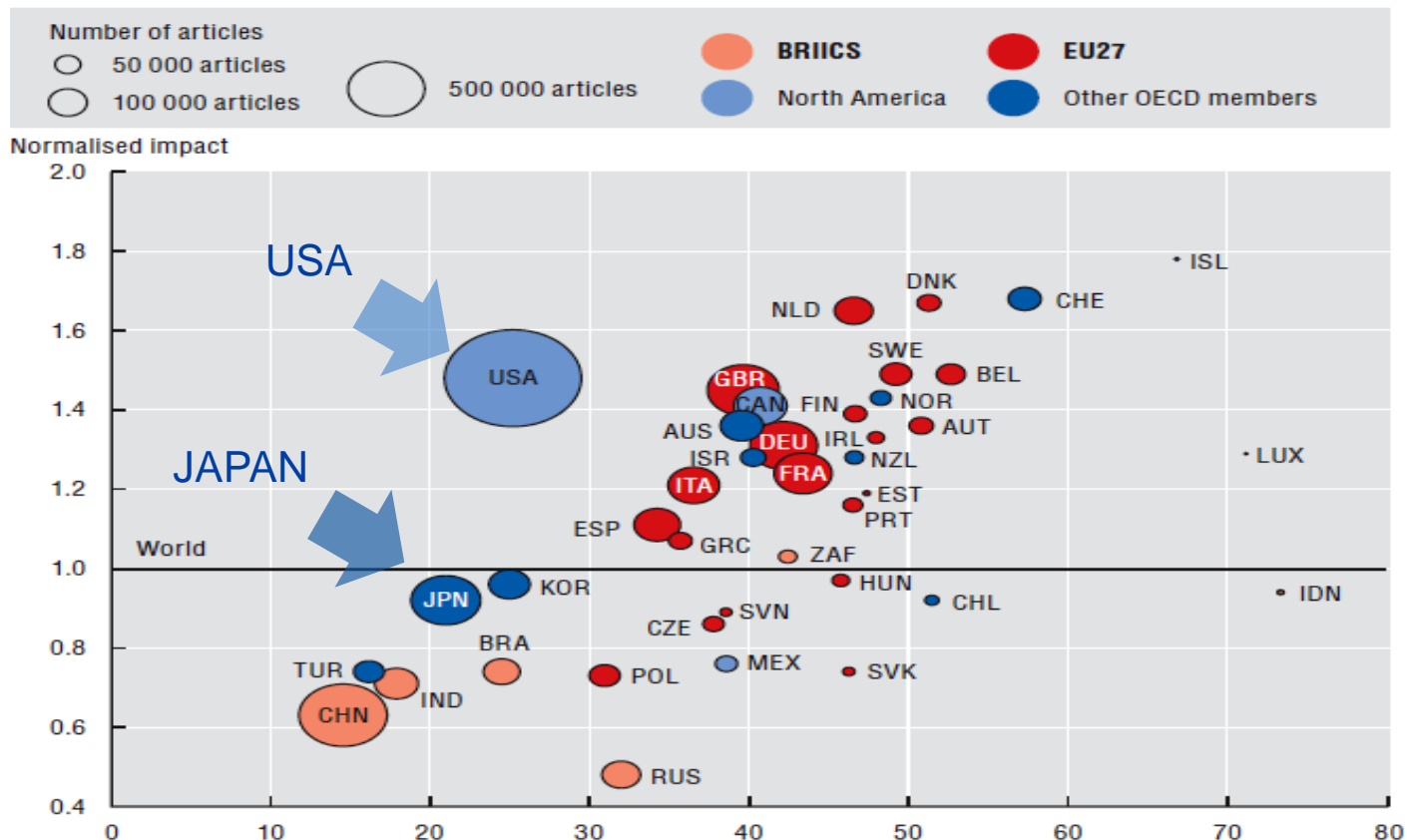
# Knowledge Network & Dynamics

~ for the better use of intangible assets ~



*... but less for knowledge network and its dynamics.*

**The impact of scientific production and the extent of international scientific collaboration, 2003-09**

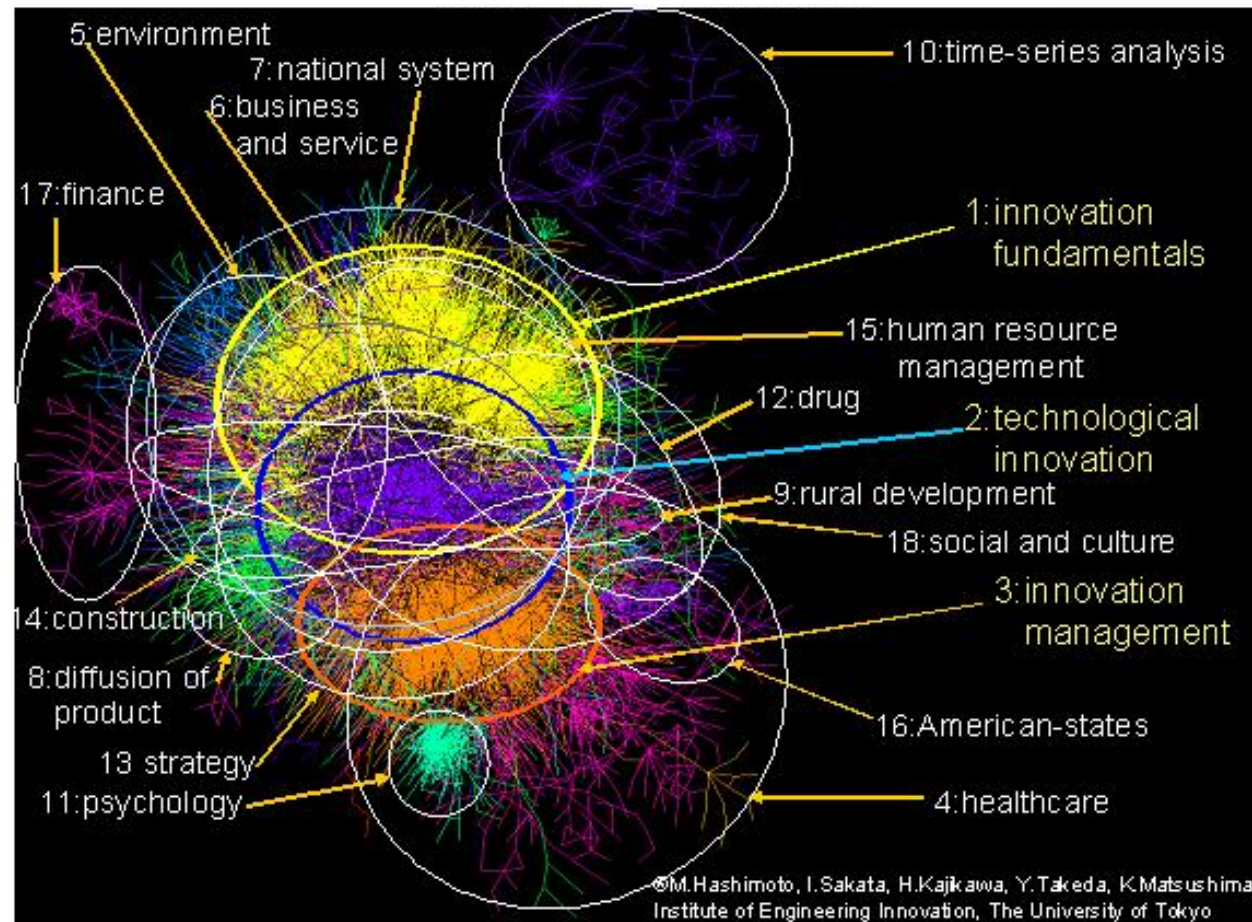


# Knowledge Network & Dynamics

~ for the better use of intangible assets ~



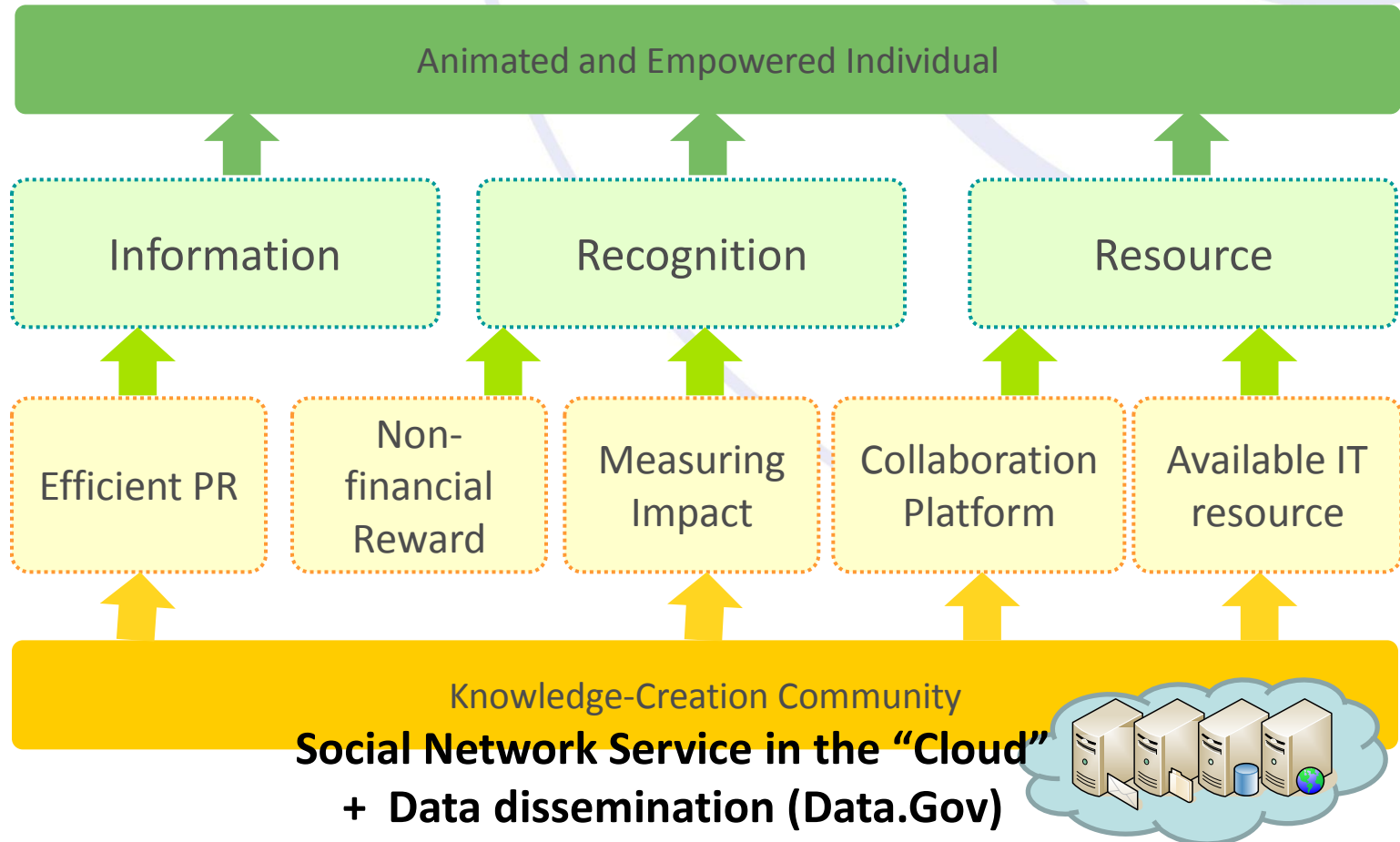
## Academic Landscape of Innovation Research



Source: Sakata et al (2011)

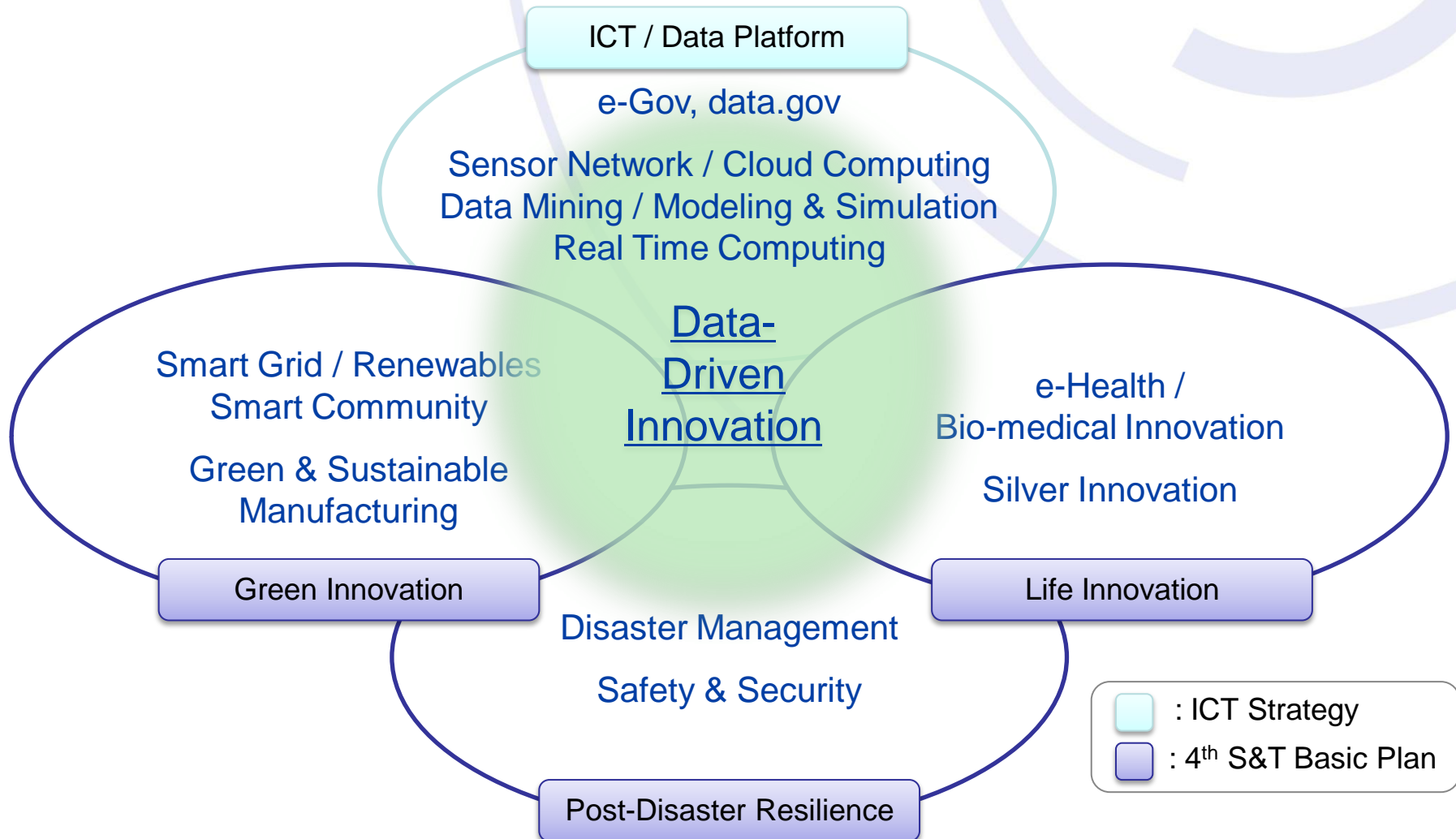
# Innovation Platform Building

~ Open Gov / Data Gov ~

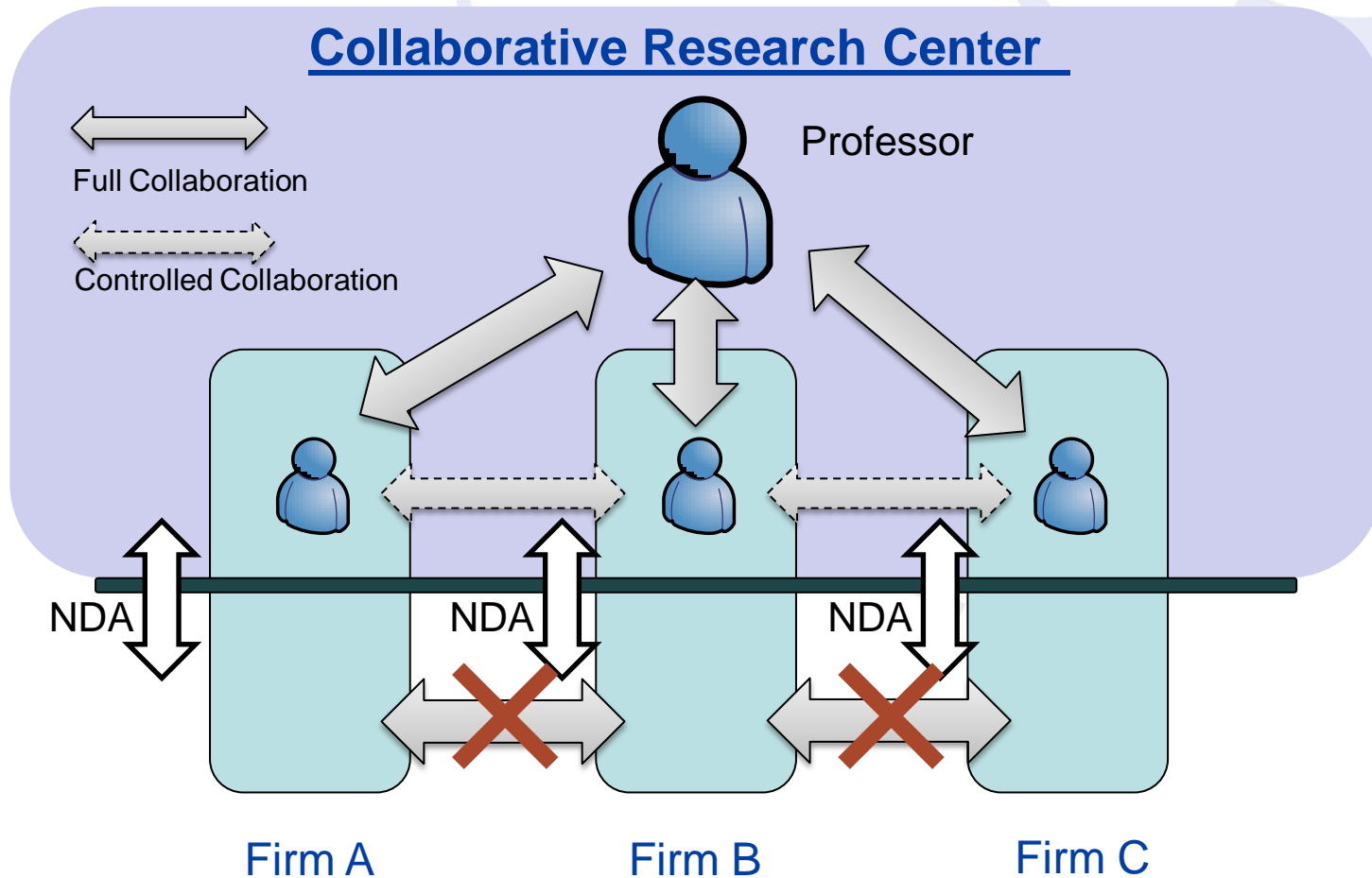


# Innovation Platform Building

~ Open Gov / Data Gov ~



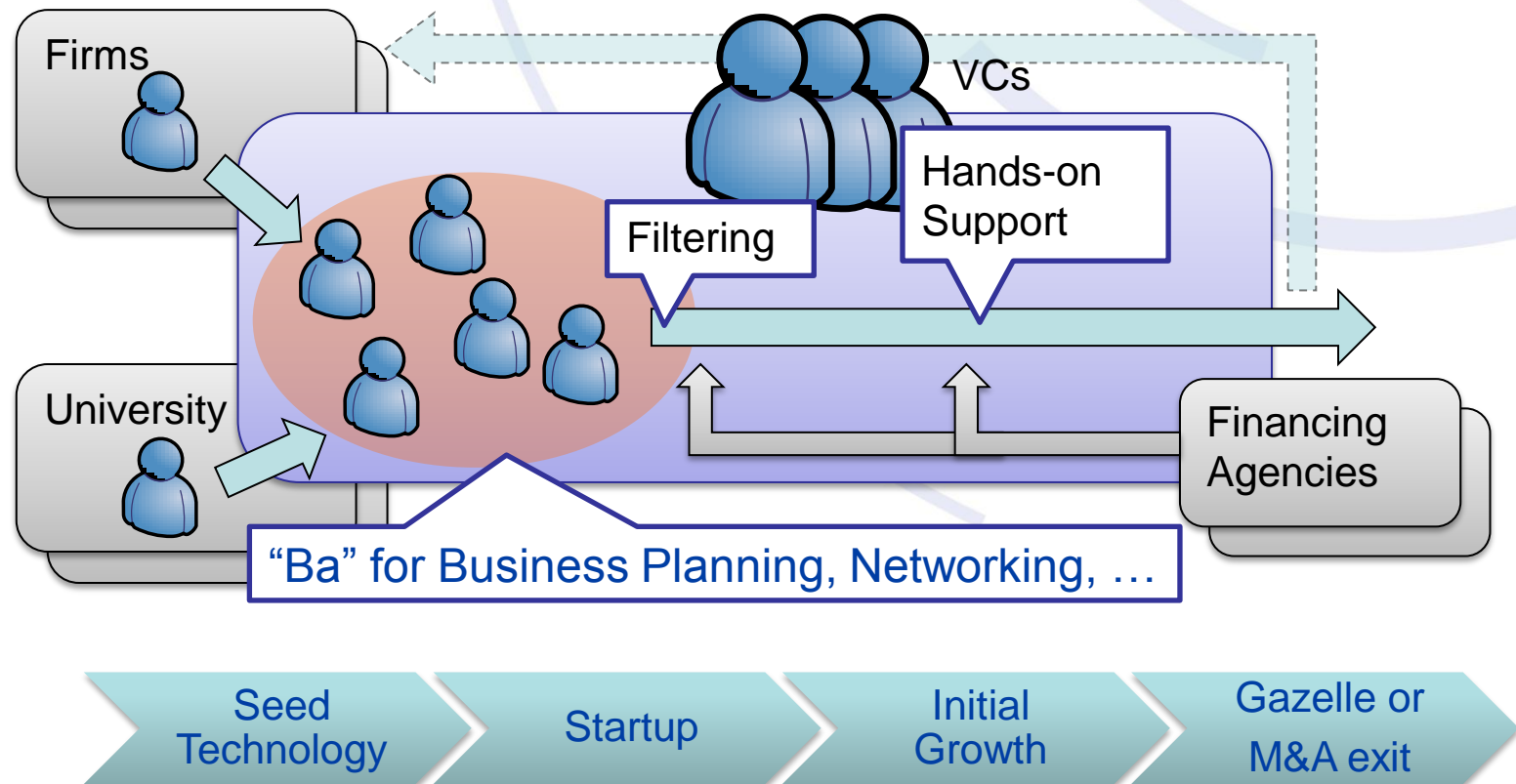
# Innovation Platform Building ~ Collaborative Research Center ~



# Innovation Platform Building ~ Startup Accelerator Initiative ~



## Startup Accelerator Platform





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    - Knowledge / Innovation Dynamics
    - Platform Building for Innovation
  3. New IC Manifesto ?

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***“Knowledge is the key resource in society  
and knowledge workers are the dominant  
group in the workforce.”***

***--- Peter Drucker***

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***“Knowledge is the key resource in society, and all individuals shall be **empowered** and **animated** to be **knowledge workers** and/or **knowledge citizens**. ... Let them be the dominant group in your society.”***

***--- Yoshi TOJO @ IC6***

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***“Knowledge is the key resource in society, and all individuals shall be **empowered** and **animated with ubiquitous and timely information feedbacks** to be **knowledge workers and/or knowledge citizens**. ... Let them be the dominant group in your society.”***

***--- Yoshi TOJO @ IC7***

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***“Knowledge is the key resource in society, and all individuals shall be **empowered** and **animated** within his/her professional and social networks to be **knowledge workers** and/or **knowledge citizens**. ... Let them be the dominant group in your society.”***

***--- Yoshi TOJO @ IC8***

Thank you.

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