



GRIPS

政策研究大学院大学
NATIONAL GRADUATE INSTITUTE
FOR POLICY STUDIES

DII seminar series ▪ DII セミナーシリーズ

G R I P S

Overview ▪ 概要

| | |
|----------------|---------|
| Michiko Iizuka | 飯塚倫子 |
| Gerald Hane | ジェラルド羽根 |
| Izumi Suzuki | 鈴木和泉 |

1. Conceptual mapping 概念図

Disruptive innovation
破壊的なイノベーション

DISRUPTIVE INCLUSIVE
INNOVATION

破壊的・インクルーシブ・イノベーション

DII



Inclusive innovation

インクルーシブ・イノベーション



2. Case studies · Community
ケース・スタディ・コミュニティ

3. Policy relevant insights
より良い政策のための洞察

What is needed to deploy Science and Technology to potential users to solve problems?

社会課題を解きうる科学技術を潜在的利用者に届けるには何が必要か？

Societal issues

社会的課題

Understanding different country/sector context and common agenda

セクター間、国ごとに異なる現状把握・共通にある問題を理解

Technology

技術

Introducing advanced tech. (AI, Robotics, IoT) / Select & Develop suitable tech, Business model for diffusion & transfer

最先端の技術(AI,ロボット,IoT) 導入、技術の選択と開発、伝播・導入のためのビジネスモデル

HR

人材

Training to use new technology/entrepreneurship

新しい技術を習得、活用できる人材・起業家育成

Finances

資金

When, Where, How to get finance and how to recover them, What sort of mechanism are necessary?

いつ、どこで、だれに、どのように資金提供、回収するのか、どのような仕組みが必要か？

Institutions & regulations

制度・規制

What is necessary and what is inhibiting ?

何が足りなくて、何か邪魔なのか？

Collaboration among actors

アクター間協働

What kind of formation, timing, mechanism is necessary?

どのような体制、タイミング、仕組が必要なのか？

Value

価値

Creation of value (social and economic), how to understand and share value to pursuit goals?

価値の創造(社会、経済的), 目指しているものを理解、共有し目的を推進するには？

1 TICAD and the Trends in Digital Agriculture in Africa (Aug. 28th, 2019)

In AFRICA,

Speakers: Kemi Afun-Ogidan & Atsuko Toda, AFDB

Discussant: Manabu Yasuhara, MAFF

- Potentials and needs for **digital technology** are present to enhance Agricultural Productivity.
- Rapid digitalization (internet and mobile) took place in last decade
- Technology needs to be **adopted to local context**
- **Public interventions, Public-Private collaboration and good coordination are needed for:**
 - Capacity building, infrastructure and creating good business eco systems and finances. Digital agriculture is progressing towards “bundling up” different services with a platform (along the value chain).
- Newly presented Japanese scheme, **Agriculture Innovation Platform in Africa (AIPA)** be a solution?
 - Emphasis on **digital solution, building critical mass** of JPN firms, targeting areas where services are needed

Comment on inclusivity: It was not clear what was inclusive. Providing Access to solution??

- Issue on Inclusiveness: 果たしてインクルーシブとは?: 多くの人が解決策にアクセスできるようにすること

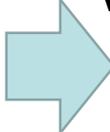
2 Modern tools for complex business and societal challenges/opportunities

(Sept, 24th, 2019)

Daniel Goldman, Todd Porter CO founders of EDGEof
& Toni Lai, Founder and Chairman, Legal.io

- **Daniel Goldman, CO founders of EDGEof**

- Modern Tools for simulation of future to foresee risk and to prepare effectively.
Planetary Insight Center: enable to experience
- Virtual reality, AI to simulate, test, experience to provide better solution

 **Visionary Insight**
Virtual reality, AI
New experience

- **Toni Lai, Founder and Chairman, Legal.io**

- DSIL design the community of collaboration drawing experts knowledge at global and local level. Collaboration generates the organic entity of connected people
- Digital technology

 **Community**
Global Local
Wisdom sharing

- **Todd Porter CO founders of EDGEof**

- Creating architecture for interaction, scaling up to generate greater impact
- TEDEX

 **Dynamism**
Building
mechanism

Disruptive and inclusive solutions using new technology, business model or idea

Comments: Emerging trends of using frontier technology for problem solving—wanted see more practical example 最新技術を駆使して社会問題解決に使われている-モダンツールの可能性 ケースを知りたい

3. Global Trends and Challenges of Social Impact Investment (Nov, 6th, 2019)

Vineet Rai, Aavishkaar Group, Beau Seil,

Patamar Capital, Akira Sato, INCJ

- **Akira Sato, Director, INCJ: Still early days in Japan**
 - Social impact investment (social challenges with economic return) is growing in Japan but it has minor presence (0.6% with US\$ 3.2 billion US\$ of total US\$ 228 billion, 300 funds in 2017) in the world (N.America and EU dominance). He sees 3 problems:
 - Shortage of capital (It suffers from myth of lower profitability while it has IRR 17%)
 - Shortage of experienced fund managers(HR & capability)
 - **Lack of connectivity among players (eco systems)**
- **Vineet Rai, Founder Aavishkaar Group: Complex problem & understanding needs**
 - **Solving complex problem**, unrelated to entrepreneur, having innovative solutions, hacking deal with unique Indian situation (understanding needs) **Evaluating the social impact**
 - **Employ technology that are already proven.** **Both said it needs to be proportionate to the scale of investment.**
 - **Building eco systems are important but still difficult.** **Expand their business elsewhere**
 - **Digital technology**
- **Beau Seil, CoFounder, Patamar Capital: Targeting Market Potentials**
 - **Social impact investment with market potential:** Providing (missing)services to **Mass market, Small & Medium Enterprise and lower middle income class**
 - Operate in the **South East Asia and South Asia**, market with great potentials, especially with **digital technology**
 - Investing in **entrepreneurs** at any stage to keep his/her idea, employed seed investment, microfinance

How to deploy Science and Technology to potential users for solving their problems?

どのように科学技術を潜在的利用者が社会課題解決に活用できるようにするのか?

Reaching SDGs

SDGsの達成

TECHNOLOGY FOR THE LAST MILE: Lean experimentation and impact measurement

Social challenges
社会課題解決

Human Resources
人材

Technology
技術

Collaboration among actors
アクター間協働

Value
価値

Slides are uploaded at(<https://gist.grips.ac.jp/research/iizukla/dii.html>) .

Scheduled topics/ 今後予定されているテーマ

1. Africa's digital agriculture

Kemi Afun-Ogidan, Atsuko Toda, AfDB

アフリカのデジタル農業

Kemi Afun-Ogidan, 戸田敦子, アフリカ開銀

2. Modern tools for complex business and societal challenges/opportunities

Daniel Goldman, Todd Porter CO founders of EDGEof & Toni Lai, Founder and Chairman, Legal.io

複雑な社会的課題・ビジネスチャンスを生かす新しい手法

ダニエル・ゴールドマン, トッド・ポーター共同創設者EDGEof & トニー・ライ創設者 & CEO Legal.io

3. Global Trends and Challenges of Social Impact Investment

Akira Sato, Director, INCJ, Vineet Rai, CEO Aavishkarr-Group, Beau T.Seil, Co-founder Patamar Capital

社会的インパクト投資の世界的トレンドと可能性

佐藤哲 ディレクターINCJ、ビニート・ライ, CEOアービシュカーグループ, ボー・シール共同創設者, パタマーキャピタル

4. Technology for the Last Mile Lean Experimentation and Impact Measurement

Takatoshi Nakamura, Co-founder & CEO, Kopernik
Masanori Kurisu, Director office for STI, JICA
(November, 13)

ラストマイルで必要とされるテクノロジーとは～ 実証実験による検証とインパクトの計測～

中村隆俊, 共同創設者&CEO, コペルニク

栗栖昌紀氏 (独) 国際協力機構 社会基盤・平和構築部 STI室 副室長(11月13日)
未定

5. TBC