International Recovery Forum 2022
Redesigning Systems for Resilience through Recovery:
Assessing Progress and the Unfinished Agenda
at the Midpoint of the Sendai Framework

Progress and achievements in
“Build Back Better” since 2015

2022/01/19

TAKEYA Kimio  Takeya.kimio@jica.go.jp
Distinguished Technical Advisor on DRR/JICA
/Visiting Professor/International Research Institute of Disaster Science, IRIDeS, Tohoku University
Serious regret from past experience

過去の苦い経験

What happened after Sumatra Tsunami in Ache?

スマトラ津波大被災地のアチェで何が起こったか？
Impact of Sumatra Tsunami

・The first internet era’s mega disaster, which gave the reality by the disaster and gave huge impact to people.

By SP Metro TV, Indonesia
Land use plan to avoid reborn same risk again

Recovery Master Plan proposed from JICA

JICAが提案した復興計画
Uncontrollable “inappropriate risk knowledge good will” caused vulnerability reborn again in same place

制御不能な“善意の支援”が同じ場所に著しい脆弱性の再現を起こした
After big regret of Sumatra Tsunami. Sprout of “Build Back Better” concept, 2006, Central Java Earthquake Recovery

スマトラ津波復興の苦い経験の後、ビルド・バック・ベター思想の萌芽と最初の成功 2006年ジャワ島中部地震の復興支援

Enforcing “Build Back Better “

ビルド・バック・ベターを強制化
Strengthened brick house

- JICA propose simple enforcement technique
- Deliver recovery fund only using this enforcement technique
- In order to realize, established housing permission system with on site support by government more than 300 staffs in every village

After the system established, Over 100,000 strengthened houses were built within one years, miracle achievement

Concept is to prevent same vulnerability reborn through reconstruction, but not defined “Build Back Better” terminology

Build Back Better の概念化は未了
JICA tried to realize “Build Back Better” concept for world standard using 3rd UN World Conference on DRR in Sendai in 2015 together with other country, like Philippine.

2013 Typhoon Yolanda case in Philippine.

2013年のフィリピン台風ヨランダの復興.
Government First document for Recovery shows clearly the concept of “Build Back Better”, by JICA support

第一次復興計画の表紙にはJICAとの強い説得と政策合意でビルド・バック・ベターのキャッチフレーズを打ち出す

RECONSTRUCTION ASSISTANCE ON YOLANDA

Build Back Better

JICA lauds gov’t officials on Yolanda rehab efforts

20 days ago, ANC

The Japan International Cooperation Agency lauds the Philippine government’s rehabilitation efforts for Yolanda survivors. At a press conference JICA’s visiting senior adviser Doctor Kimio Takeya compared government’s efforts with those of other countries'.
Not only protection sea wall but also for revitalization of local industry from primitive fishery to more productive & sustainable fishery

防潮堤による防御だけでなく、主要産業である漁業のより持続可能且つ高度化、高収益化により、よりレジリエントな社会構造を構築する
From production to market reconstruction and new jobs, every livelihood is being restored through production and sales of local products. This includes cultivating milkfish and oyster in Tanauan and growing milkfish in Basey. These efforts are supported by supplying raw material from slaughters, such as Mayorga, Mercedes, Guiuan, and Dulag. Processing facilities are being reconstructed in Tolosa to produce local agro-fishery products.

The entire study area is benefitting from these initiatives, where added value is being created through processing. This starts from milkfish production in Basey and Tanauan, charcoal from fallen coconut trees in Mercedes, to processing local agro-fishery products in Tolosa. The value chain is being strengthened, ensuring a sustainable and community-driven recovery process.
Build Back Better concept was proposed from Japanese government to Sendai Framework

ビルド・バック・ベターという概念は仙台枠組みに向けて日本政府から提案したもの

• Build Back Better was the common sense in Japan & JICA, but not in the world

Build Back Better は日本・JICAの常識だが世界的な常識ではなかった

• Many lucky situations could lead “Build Back Better” to the world standard in Sendai Framework

多くの幸運によりビルド・バック・ベターは国連仙台枠組みにより世界標準に出来た
### Priorities for action, National and local context

1. **Priority 1; Understanding risk**
2. **Priority 2; Strengthening Governance**
3. **Priority 3; Standards Development**
4. **Priority 4; Preparedness for Response**
5. **Priority 5; Social, Economic and Environmental Resilience**

→ not connected to Risk Reduction
→ prevention is more important than response
→ final goal and not the action

<table>
<thead>
<tr>
<th>優先行動１</th>
<th>リスクの理解</th>
</tr>
</thead>
<tbody>
<tr>
<td>優先行動２</td>
<td>ガバナンス強化</td>
</tr>
<tr>
<td>優先行動３</td>
<td>標準化開発</td>
</tr>
<tr>
<td>優先行動４</td>
<td>発災対応準備</td>
</tr>
<tr>
<td>優先行動５</td>
<td>社会、経済、環境のレジリエンス</td>
</tr>
</tbody>
</table>

→ 直接災害削減につながらない
→ 発災対応よりも事前防止がより重要
→ 最終到達目標でありアクションではない
The “Build Back Better” concept is generally understood to utilize disasters as an opportunity to create more resilient nations and societies than before them through the implementation of well-balanced disaster risk reduction measures, including physical restoration of infrastructure, revitalization of livelihood and economy/industry, and the restoration of local culture and environment.
Contents

PART I: Achieving build back better in recovery and reconstruction

7 Recovery and reconstruction: an opportunity for sustainable growth through “build back better”

RYO MATSUMARU AND KIMIO TAKEYA

8 Lessons from promoting “build-back-better” in the post-tsunami recovery of Aceh

KUNTORO MANGKUSUBROTO

PART II: Increasing the role of stakeholders

9 Community empowerment and good governance: the way forward for DRM in developing countries

111

10 The role of the private sector in disaster risk management following anthropophagic events

116

11 Disaster risk governance and the principles of good governance

125

PART III: Tools and technologies for disaster risk reduction

12 National disaster databases: an essential foundation for disaster risk reduction policies and disaster-related sustainable development goals and targets

141

13 Disaster intelligence: using geospatial technology to improve resilience in developing countries

159

Summary

271

Index

291
Made Japanese standard to the World Standard

日本の防災の常識を世界の常識にした

Priority 1
Understanding disaster risk

Priority 2
Strengthening disaster risk governance to manage disaster risk

Priority 3
Investing in disaster risk reduction for resilience

Priority 4
Enhancing disaster preparedness for response, and to “Build Back Better” in recovery, rehabilitation and reconstruction

優先行動1
災害リスクの理解

優先行動2
災害制御の為のリスクガバナンスの強化

優先行動3
レジリエンスのための災害削減への投資

優先行動4
発災対応の強化と再度被害を防ぐ復興“Build Back Better”
Sendai Framework, Logic of the Priority Action
国連仙台枠組み優先行動の論理的関係

**Governance**

P2. Strengthening governance to manage disaster risk

**Leadership/Governance/Management**

- P2. Strengthening governance to manage disaster risk
- P3. Investing in disaster prevention and mitigation as an asset for sustainable development
- P4. Preparing for effective response
- P4. Recovery and Reconstruction for a resilient society

**Disaster management cycle**

- Understanding Disaster Risk
- Knowledge/Evidence/Science

**Disaster**
After Sendai Framework for DRR agreed, did world Reconstruction situations changed? “Build Back Better” realized?

“Build Back Better” gives hope for the future to the affected people

ビルド・バック・ベターは被災者に未来への希望を与えるコンセプトである
First Mega disaster after Sendai, 2015 April, Nepal Earthquake

Everyone respect Sendai Framework. Discuss how to realize Build Back Better, it was drastic change before & after Sendai

仙台枠組み策定後最初の大災害
2015年4月ネパール大地震

仙台枠組みは周知でビルド・バック・ベターは当然、どうやって達成するか、がメインの議論
仙台枠組み前後で劇的な変化
In Philippine, after disaster activities enhanced by the Act

After disaster happened, President of Philippine publish the “Executive order” to act as Build Back Better concept and task force

MALACAÑAN PALACE
MANILA

BY THE PRESIDENT OF THE PHILIPPINES

EXECUTIVE ORDER NO. 120

STRENGTHENING REHABILITATION AND RECOVERY EFFORTS IN TYphoon-HIT AREAS THROUGH THE CREATION OF THE BUILD BACK BETTER TASK FORCE
Prevent same kind of recovery like Ache, Indonesia government did their best with Build Back Better concept with JICA support.

インドネシア政府はアチェの教訓も踏まえて、JICAの支援も得ながら、ビルド・バック・ベターの実現に最大限の努力を行った。
We are responsible to these spirits, written on the board of refugee camp

“Build Back Better” gives hope to the affected people and connect to the future “Disaster Risk Reduction” and Sustainable Development!

我々は、被災者のこういった希望に応える責任がある

ビルド・バック・ベターは被災者に将来への希望を与え且つ、将来の同種災害被害の削減とSDGsに直結するもの！
Today we can learn a lot of practical experiences base on Sendai Framework “Build Back Better” concept through this seminar!

今日はこのセミナーを通じて、仙台枠組みのビルド・バック・ベター思想に沿った各国の実践的な取組を学べることが楽しみです