

BUILD BACK BETTER ANALYSIS

Location: Kaikoura

Country: New Zealand

Date of Visit:
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What is Build Back Better?

Building Back Better (BBB) is a holistic concept aimed at using the post-disaster reconstruction and recovery as an opportunity to improve a community's physical, social, environmental and economic conditions to create a more resilient community in an effective and efficient way. A framework (Figure 1) developed by Mannakkara and Wilkinson (2014) presents a holistic approach to reconstruction and recovery identifying it as a three-pronged approach including Disaster Risk Reduction, Community Recovery, and Effective Implementation.



Figure 1: Build Back Better Framework © Mannakkara and Wilkinson, 2014,2016

Purpose of the study:

To determine the recovery status of Kaikoura using the recently developed Build Back Better tool, identify areas that needs improvement and suggest best practices to enhance the recovery process.

Data Collection:

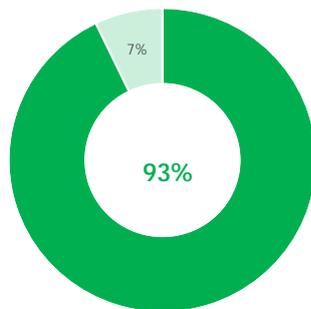
A tool developed by Neeraj, Mannakkara and Wilkinson (2018) based on the above BBB framework (Figure 1) was used to collect data on the recovery process. The BBB tool was presented to experts to rate the indicators based on the current recovery status of Kaikoura after the 2016 Kaikoura Earthquake. Along with the BBB tool ratings, the researcher conducted interviews, and reviewed official documents on recovery to have a better view of the recovery process.

Did Kaikoura Build Back Better?

Yes!

The analysis below will help you understand how Kaikoura is performing under the three dimensions of the BBB framework. The BBB Rating is calculated using the ratio of actual recovery related to ideal recovery.

Disaster Risk Reduction



Disaster Risk Reduction

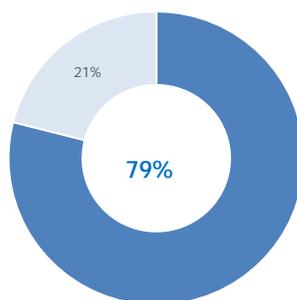


The Disaster Risk Reduction dimension of the BBB framework was ranked number 1 in terms of complying with BBB principles. Multi-hazard based Land-use planning (MH) and Early warning and DRR education (EW4) had a BBB Rating of more than 90%, while Structural Resilience (SR) was just below 90%. Please find below recommendations to improve the recovery process further in-line with BBB:

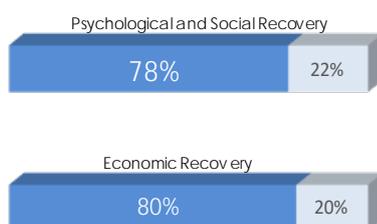
Recommendations:

- **SR8-Improve redundancy and transitional arrangements** – Plan and put in place redundancies and transitional arrangements prior to disasters to relieve pressures on fast and reactive rebuilding activities (e.g. transitional accommodation, alternative travel routes etc.)
- **EW4 – Support and Training** – Provide training and resources to organisations on preparing business continuity plans and establish partnerships with other organisations to improve resilience.

Community Recovery



Community Recovery



Psychological and social recovery (PR) of the Community recovery dimension had a BBB Rating of 80% while Economic recovery (ER) had a rating of 78%. Please find the below recommendations to improve the recovery process further in-line with BBB:

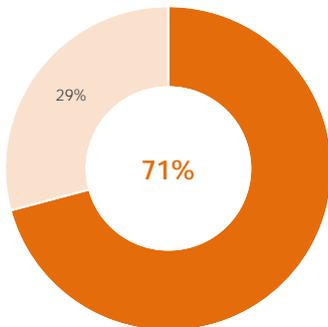
Recommendations:

- **PR3 - Psychological support and counselling services** - Organise and put in place accessible psychological support and counselling services for the community.
- **PR7 - Community input** – Empower the community by incorporating grass-roots methods for recovery. E.g. Creating/utilising community groups to get community input for planning, decision-making and various aspects of implementation of rebuild and recovery
- **PR9 – Transparency** - Maintain full transparency with affected communities with regards to recovery decisions.

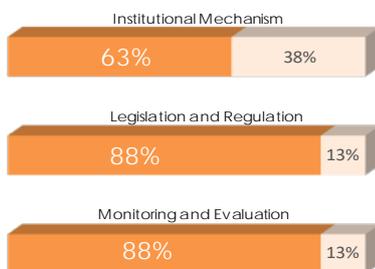
- **ER3 - Alternative livelihood options** - Introduce new livelihood options utilising local resources if possible and provide opportunities for upskilling to cater to skills shortages.

ER5 - Tracking economic recovery - Adopt an effective measurement tool to track economic recovery progress.

Effective Implementation



Effective Implementation



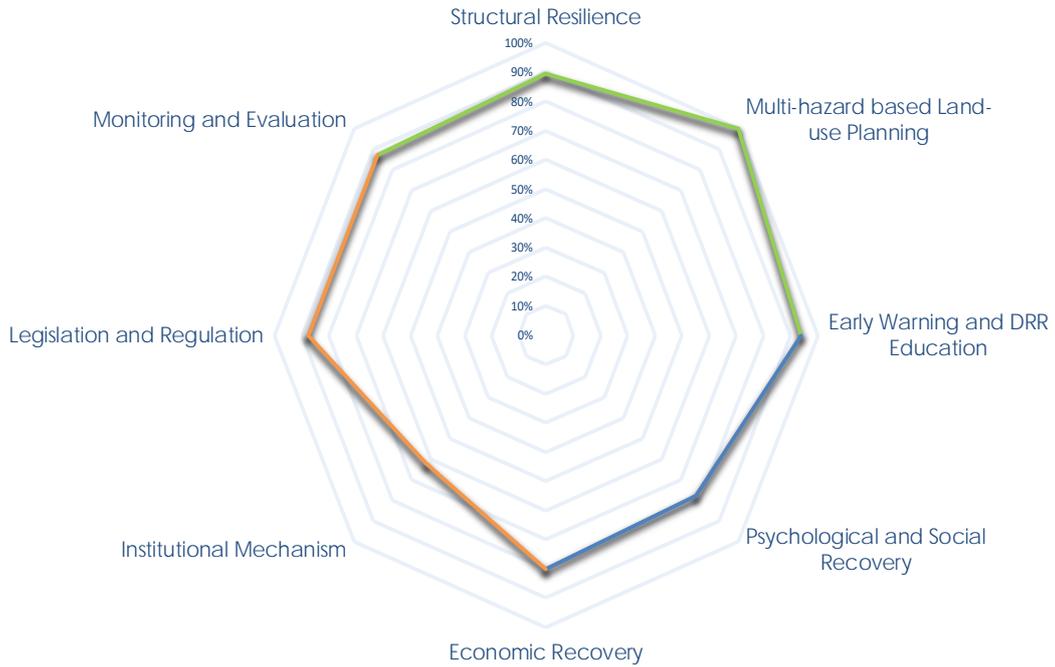
Although Effective Implementation dimension scored a low BBB Rating compared to the other dimensions. It achieved more than 85% in Legislation and Regulation (LR) and Monitoring and Evaluation (ME) principles of the framework, however, Institutional Mechanism (IM) stood last amongst the other principles of the Framework with a score of 63%. Please find the below recommendations to improve the recovery process further in-line with BBB:

Recommendations:

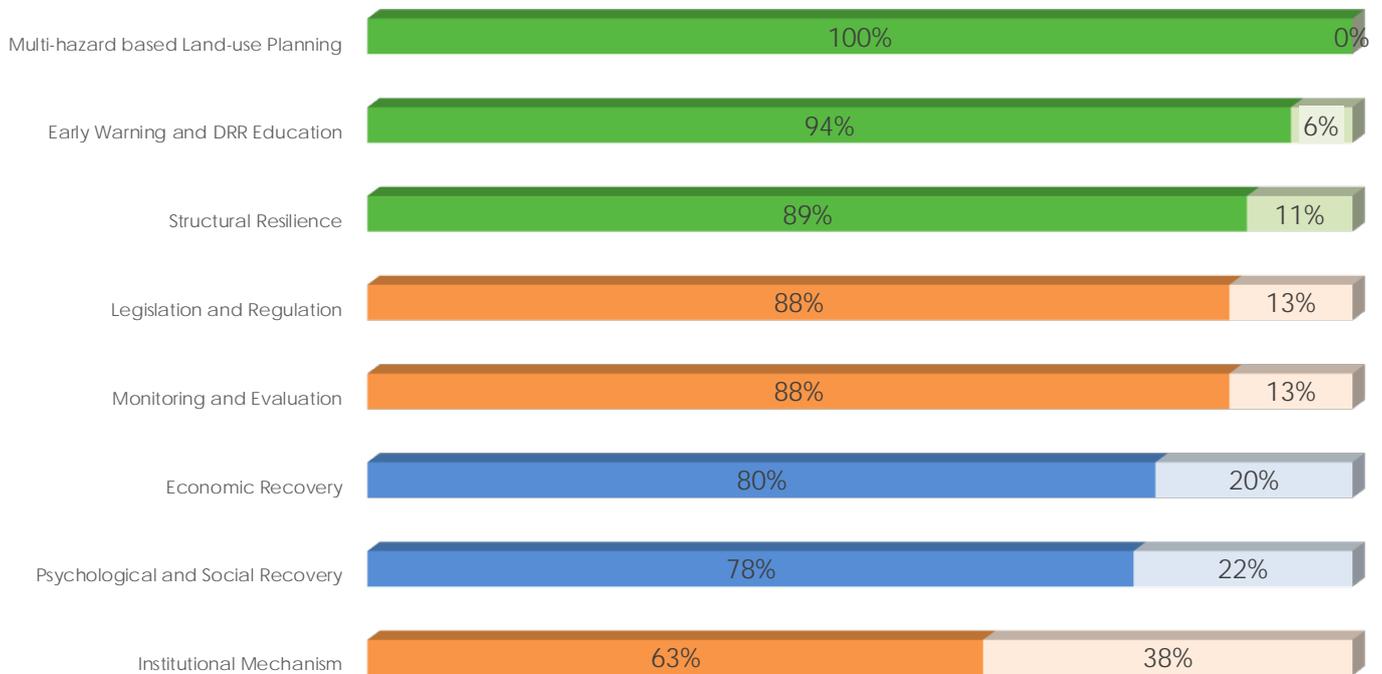
- **IM4 – Roles and Responsibilities for stakeholders** – Establish clear roles and responsibilities for all stakeholders involved in the recovery effort.
- **IM9 – Decentralisation and grass-root Involvement** – Emphasise decentralisation and grass-roots involvement by providing transparent information to the community, supporting local councils to take a lead role in recovery, involving the community in planning, decision-making and implementation of recovery projects.
- **IM11 – Transition strategy planning** – Plan and implement an effective and appropriate exit strategy to transition smoothly from rebuilding and recovery operations to business as usual.
- **IM12 – Monitoring and evaluation** – Put in place an easy mechanism for monitoring and evaluation of recovery progress and to transfer lessons learnt to local and national Government and all relevant stakeholders for future resilience work, pre-disaster planning, emergency management and post-disaster recovery.
- **LR3 - Legislative Provisions** – Ensure flexibility in end dates of legislative provisions to correspond with actual recovery activities and progress/lack of progress.
- **ME2 – Lessons learnt** – Use monitoring and evaluation mechanism effectively to obtain lessons learnt to improve on-going recovery and transfer knowledge to revise policies and procedures for future disaster management practices.

ADDITIONAL INFORMATION

Radar Graph Analysis amongst 8 principles of BBB Framework



Ranks of Build Back Better Principles based on ratings provided by experts at Kaikoura District Council.



-End of the Report-