

コメントの返信

Reply to commentator's question

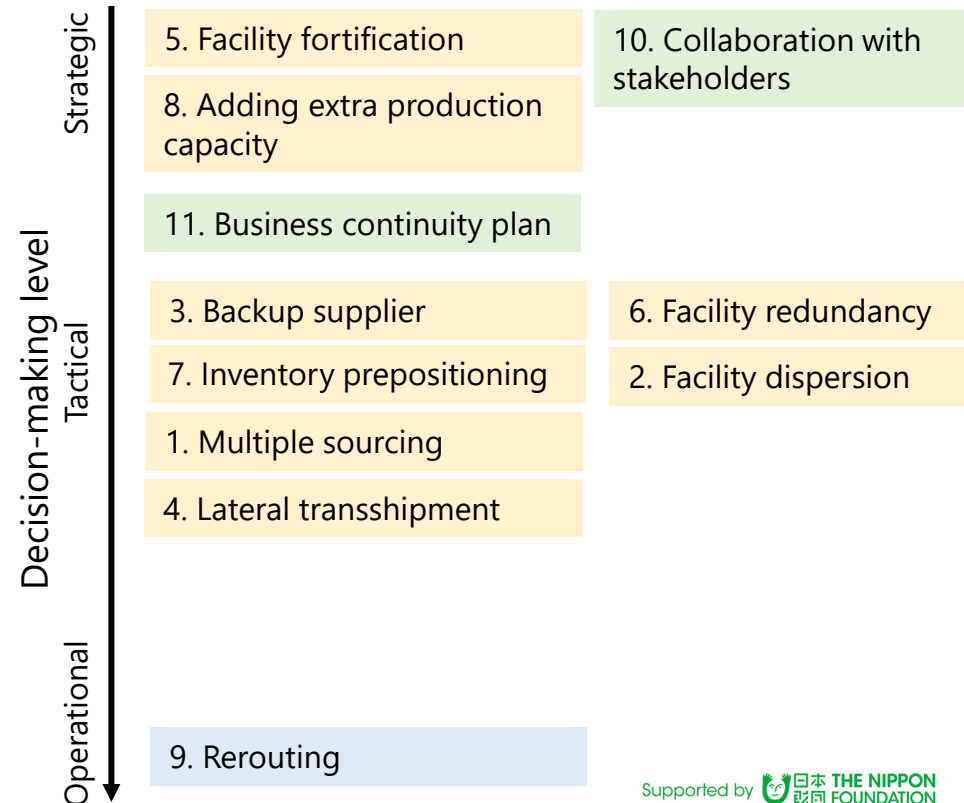
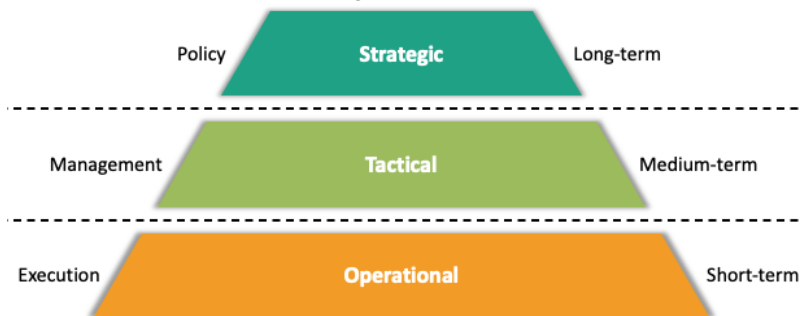
1. 今回の調査におけるレジリエンス戦略が、戦略(Strategy)、戦術(Tactics)、作戦(Operation)レベルが混在しているのではないか？

I think the resilience strategies in this survey have a mixture of strategic, tactical, and operational levels.

- Originally, I classified the resilience strategies in this study based on whether they target the resilience of nodes, links, or both nodes and links of the SC.
- Some resilience strategies are more long-term others focus on the medium-term or short-term.

If we were to classify based on the decision-making level,

Decision-making level



2. 策定/実施した戦略:要因においてLE とSMEsの有意差が出ていないが, LEのサンプルサイズが小さすぎるのでは? (p.34, p.35)

There is no significant difference in the factors between LE and SMEs, but isn't the sample size of LE small?

Figure 1: Company size

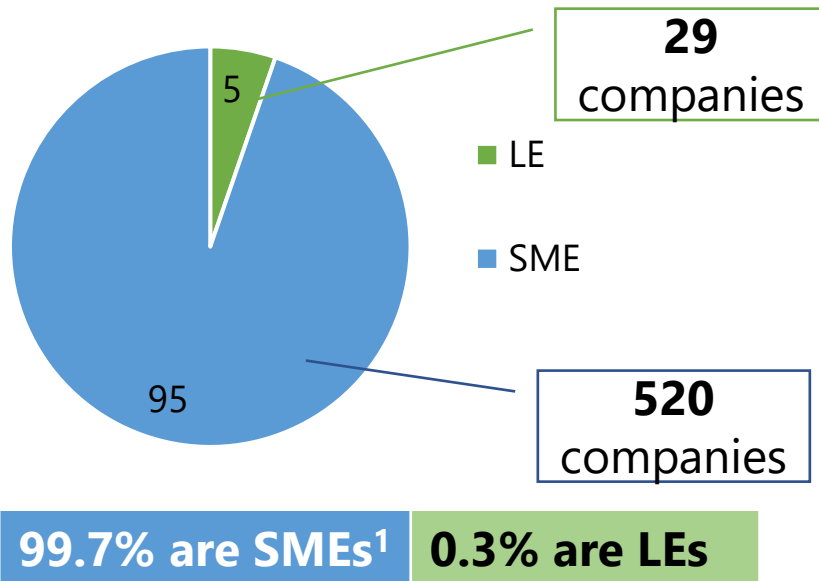
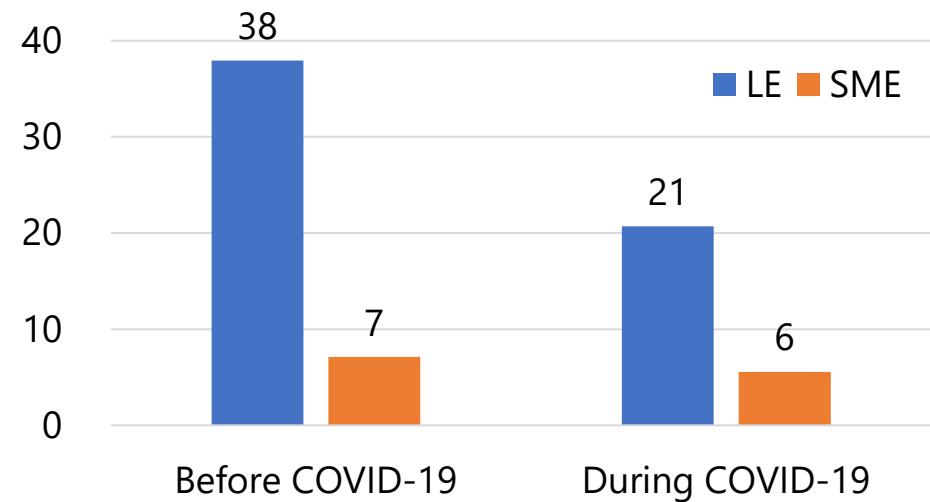


Figure 2: Implementation of resilience strategies by company size



- Although the implementation of resilience strategies is much higher in LEs compared to SMEs, the sample size of LEs is quite small in comparison to SMEs.
- One of the main reasons why company size is not significant in the choice model results.

3. ロジットモデル(Choice model)の適合性(Fitness)の検討は？(p.33, p.34) Before, During Covid-19 の適合性の違い？

What is the goodness of fit of the choice(logit) model ?

	Before Covid-19	During Covid-19
Pseudo R ²	0.3912	0.2895

Wald test

During Covid-19	
chi2(6)	19.67
Prob > chi2 =	0.0032**

Based on these results we can conclude that the model correctly estimates the choice of companies to implement or not implement resilience strategies.

4. 目的変数は(0, 1)変数ではなく、レジリエンス戦略/策定の効用値(0~100%)などにすると、戦略/策定を定量的に評価が可能になるのでは？

I think quantitative evaluation becomes possible if the objective variable is not binary variable(0,1).
For example, I think you can make it something like a utility value(0~100%).

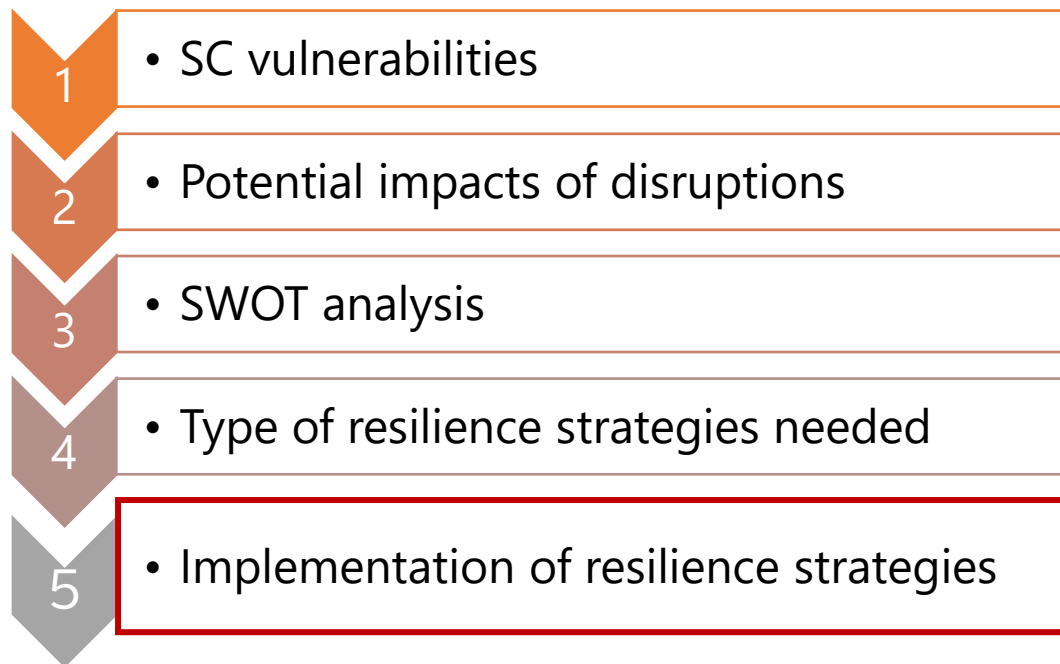
Part of future work.

5. 強靱なSCの設計には、どのようなSC全体の取組みが必要とするか？戦略 (Strategy), 戦術 (Tactics), 作戦 (Operation) ごとに。

In your opinion, what kind of overall SC efforts are needed for a robust and resilient SC? Please answer at the level of strategy, tactics, and operation.

Creating a strong or resilient SC is a quite important yet daunting task.

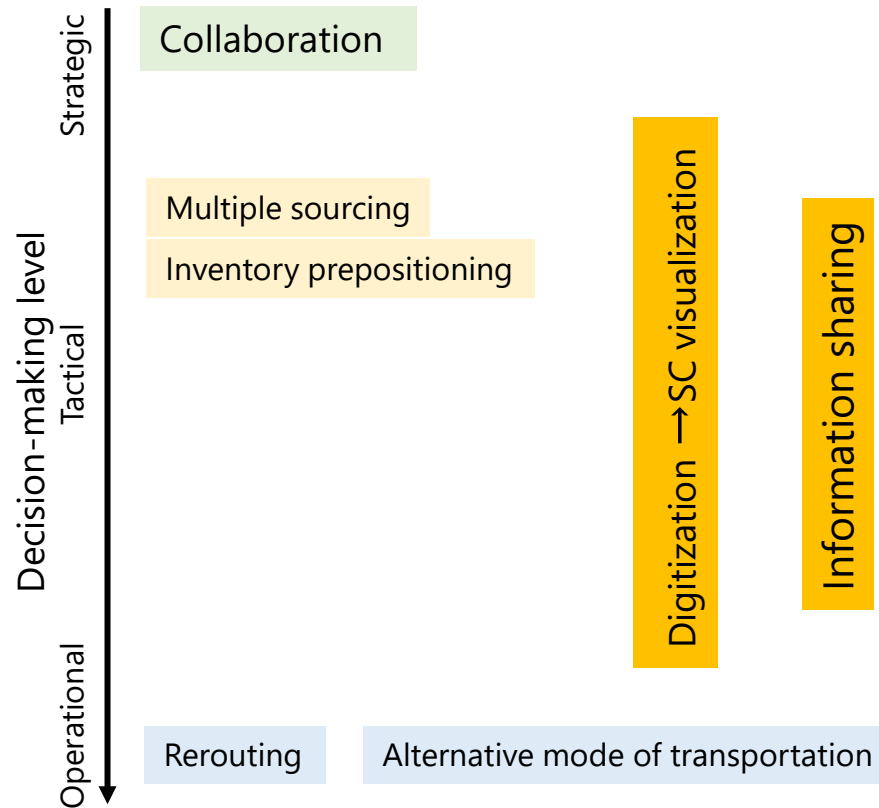
To create a resilient SC, the following action would be necessary.



Companies that implemented resilience strategies before COVID-19 and responded to the question, **85% stated that they benefitted from it.**

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Overall, to be more robust and resilient, companies should focus on being agile.

Thank you very much for your time and attention.

ご清聴ありがとうございました。