



## Selecting and evaluating climate change adaptation

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### Selecting and evaluating climate change adaptation

- Selecting adaptation options based on multi-criteria analysis and/or economic analysis
- Consider uncertainty of the future in the analysis – needs new framework

The most effective option may not be the most suitable option for implementation due to constrain(s) in the implementation



## Selecting and evaluating climate change adaptation

	Capital cost	Timely	Accessible know-how	Technical feasibility	Financial feasibility	Accessible / sufficient resources	Social acceptance	Institutional support	Negative spillover effect
Option 1	High / low	Long / short	Yes / no	Yes / no	Yes / no	Yes / no	Yes / no	Yes / no	Yes / no
Option 2									
Option 3									
Option n									

*Planner may select some criteria as critical criteria, which condition must pass, otherwise the option will be dropped or kept pending until the condition change*

**Selecting and evaluating climate change adaptation**

*Future does not change as projected*

**Business as usual –  
maintaining status quo**

*What is the risk  
that community is  
experiencing?*

**Missed**

*What could be opportunity loss  
from investing or putting effort  
into adaptation?  
Is there any other benefit that  
is gained from implementing  
adaptation?*

**No  
adaptation**

**Implementing  
adaptation**

**Missed**

*What could be loss  
from impact of  
climate change?*

**Hit**

*What could be benefit  
or loss that can be  
avoided or minimized  
from adaptation?*

*Future change as projected*

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**Missed**

***No  
adaptation***

***Implementing  
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*What could be loss  
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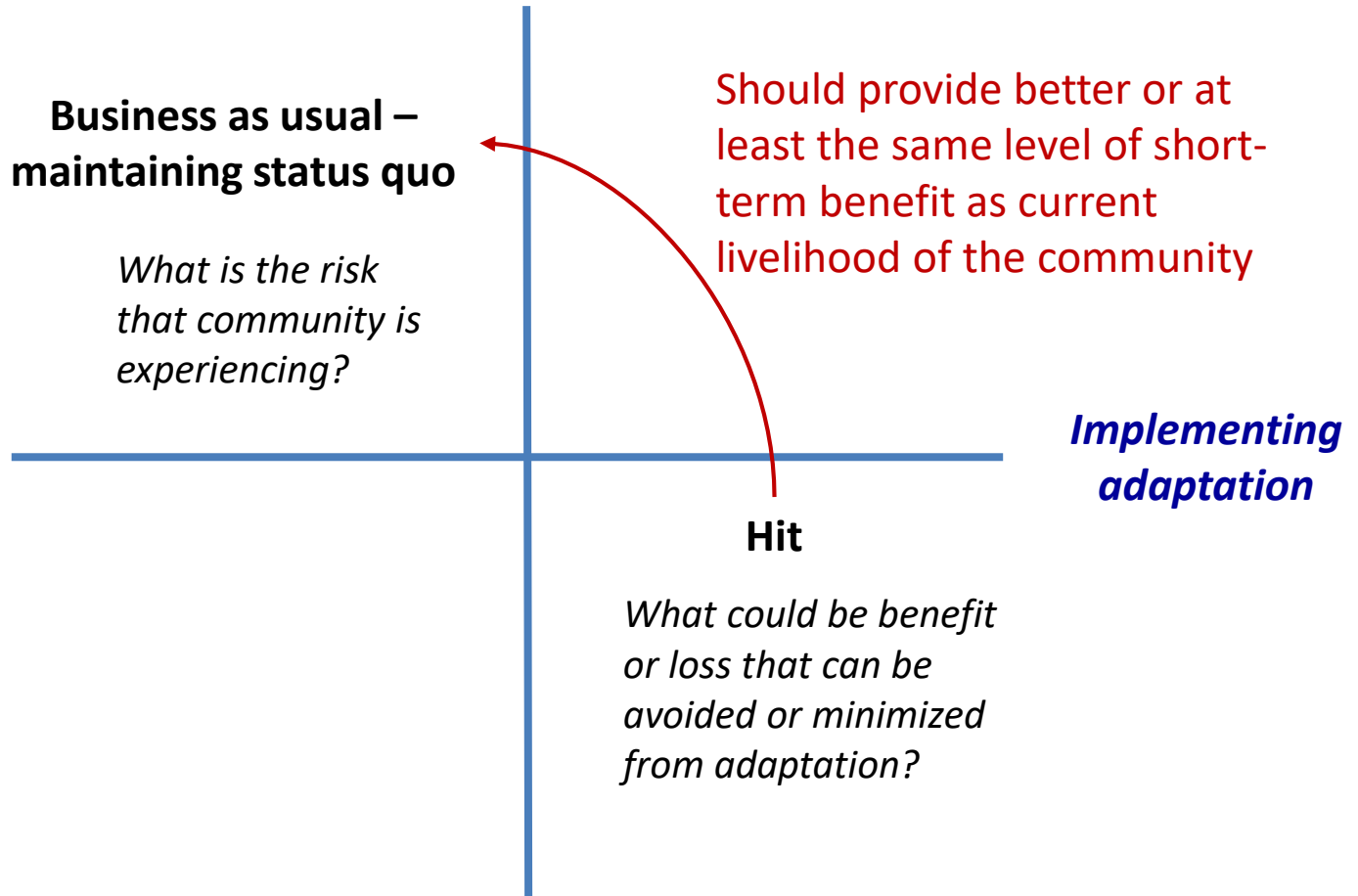
**Hit**

Is this too risky to  
take no action or  
proper  
preparedness?

*Future change as projected*

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*Future change as projected*

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**No  
adaptation**

**Implementing  
adaptation**

Should provide better or at  
least the same level of short-  
term benefit as current  
livelihood of the community

**Missed**

**Hit**

*Future change as projected*



**Selecting and evaluating climate change adaptation**

*Future does not change as projected*

		<b>Missed</b> <b>\$\$</b>	
<b>No adaptation</b>	<p><b>Business as usual – maintaining status quo</b></p> <p><b>\$\$</b></p> <p><i>What is the risk that community is experiencing?</i></p>	<p><i>What could be opportunity loss from investing or putting effort into adaptation?</i></p> <p><i>Is there any other benefit that is gained from implementing adaptation?</i></p>	
		<b>Implementing adaptation</b>	
	<p><b>Missed</b></p> <p><b>\$\$</b></p> <p><i>What could be loss from impact of climate change?</i></p>	<p><b>Hit</b>    <b>\$\$</b></p> <p><i>What could be benefit or loss that can be avoided or minimized from adaptation?</i></p>	

*Future change as projected*

Analysis could be quantitative analysis or simple list of Pro VS Con in each situation



**THANK YOU**