



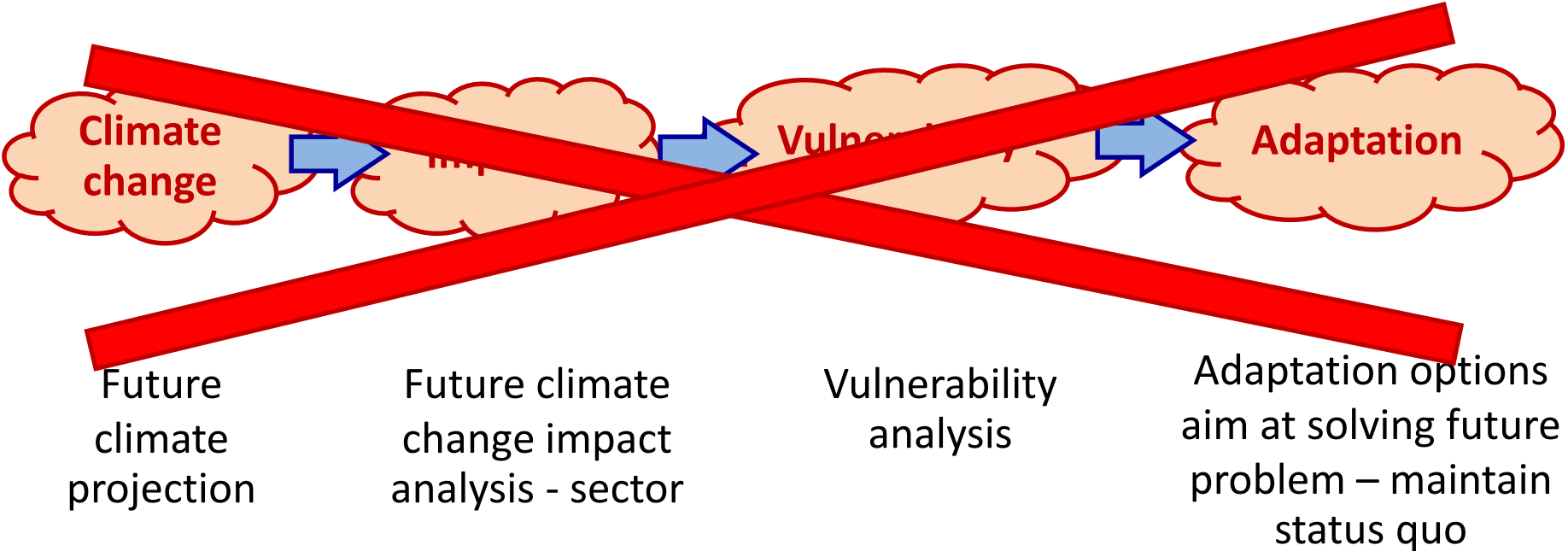
Planning community climate change adaptation

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Shifting from conventional approach – sequential assessment



Need not put climate change at initial stage, but formulate the assessment around the concern and context of community

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Climate driven risk

Slow onset of rainy season
Heavy rainfall event and flood
Prolonged summertime and drought
Etc.



Household damage

Decline NTFPs

Crop damage

Decline fishery

Etc.



Loss income

Livelihood interfered

Etc.



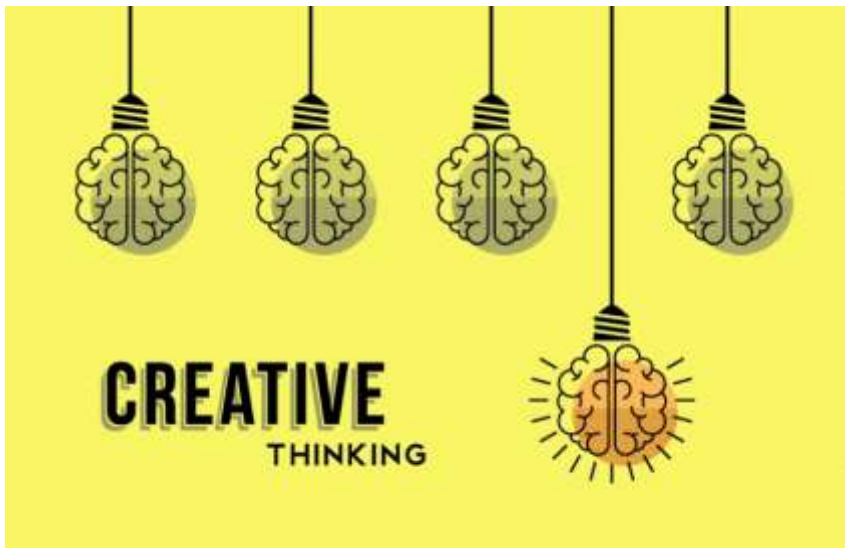
What if these risks would change in the future?
What should community be planning against these risks and pressures?

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What should community be planning against these risks and pressures?



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Try to avoid more of the same, conventional solution. What can we do differently?

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Climate driven risk

- Household damage
- Decline fishery
- Decline NTFPs
- Crop damage
- Etc.



Loss income
Livelihood interfered
Etc.



Socioeconomic change



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Start from identify options and the benefits



Need to aware that adaptation should address both concerns of present and future

Short-term benefit will help justify the adaptation and long-term benefit will address true needs of adaptation

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Community A: Rice paddy farmer

Current Risk

Reduced household income caused by crop damage from flood in high rainfall year

Future risk & concern

- Higher risk caused by expansion of rice paddy into flood prone area and higher frequency and magnitude of high rainfall year.
- Emerging risk on dry season rice damage caused by limited water supply due to higher demand of water from expanding town.

Adaptation pathway / option

?

Short-term & Long-term benefit

?

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Community A: Villager

Current Risk

Household damage from flood

Reduced household income from low fish capture in the dry year

Future risk & concern

- Lower risk on household damage from flood by new dam.
- Higher risk on reduced household income from reduced fish stock in natural habitat as impact from the new dam.

Adaptation pathway / option

?

Short-term & Long-term benefit

?

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Community B: Hillside Rice paddy farmer

Current Risk

Reduced household income caused by rice damage from fluctuation in rainy season onset

Future risk & concern

- Higher risk caused by higher fluctuation of rainy season onset.
- Emerging risk from loss of soil fertility which leads to lower rice productivity as rice farming will be based on fixed farmland as result of forest conservation policy and higher rainfall intensity in the future.

Adaptation pathway / option

?

Short-term & Long-term benefit

?

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Community B: Villager

Current Risk

Household damage from flashflood caused by heavy rainfall event.

Reduced household income from less NTFP availability caused by prolonged summertime.

Future risk & concern

- Higher risk caused by higher frequency of heavy rainfall event.
- Higher risk on reduced household income due to longer summertime in the future could lower the NTFPs availability and overexploitation of NTFPs by people from outside the village.

Adaptation pathway / option

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Short-term & Long-term benefit

?



THANK YOU