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Building capacity for livelihood adaptation pathways in the Coral Triangle

James Butler, Russell Wise, Tim Skewes, Dewi Kirono, Erin Bohensky, Vince Lyne, Wayne Rochester, Jack Katzfey, John McGregor, Toni Darbas, Seona Meharg, Sarah Park



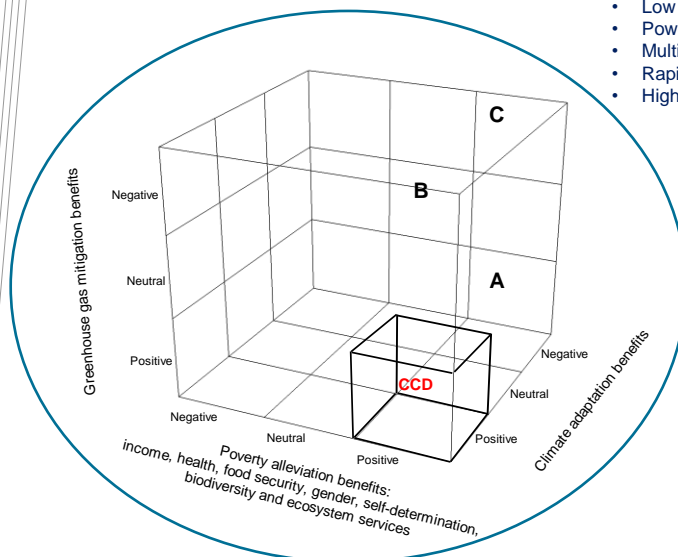
CORAL TRIANGLE INITIATIVE
ON CORAL REEFS, FISHERIES AND FOOD SECURITY



National Research **FLAGSHIPS**
Climate Adaptation



Climate compatible development (CCD)



- Low stakeholder capacity
- Power asymmetries
- Multiple drivers of change
- Rapid rates of change
- High levels of future uncertainty

Butler et al. 2014 *Global Environmental Change* 28:368-382



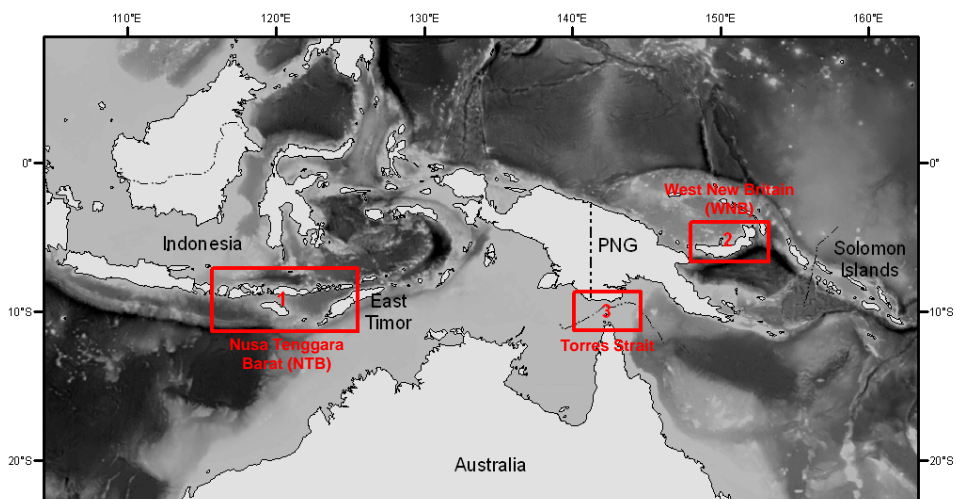
Adaptation pathways can help

1. Focuses on decision-making
2. Considers climate change impacts and responses as part of a broader social-ecological system
3. Accounts for future uncertainty by:
 - prioritising 'no regrets' strategies to avoid mal-adaptation and maintain option space
 - sequencing decisions to avoid lock-in

HOW DO YOU OPERATIONALISE ADAPTATION PATHWAYS IN SITUATIONS OF LOW DECISION-MAKER CAPACITY AND WEAK PLANNING PROCESSES?



Comparative study sites



Existing sub-district planning processes



Multi-stakeholder learning workshops



4. Integration, prioritisation and program evaluation

Women's group Women's group Food Security Department Bureau of Meteorology and Geophysical Science



Assessment Institute for Agricultural Technology

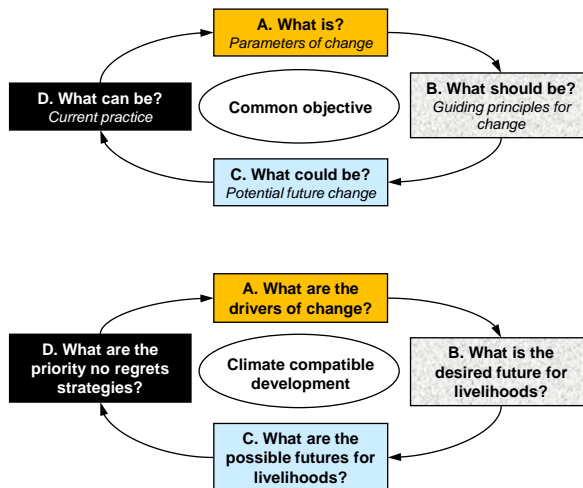
Farmer

Village Head



Social learning spirals for collective action

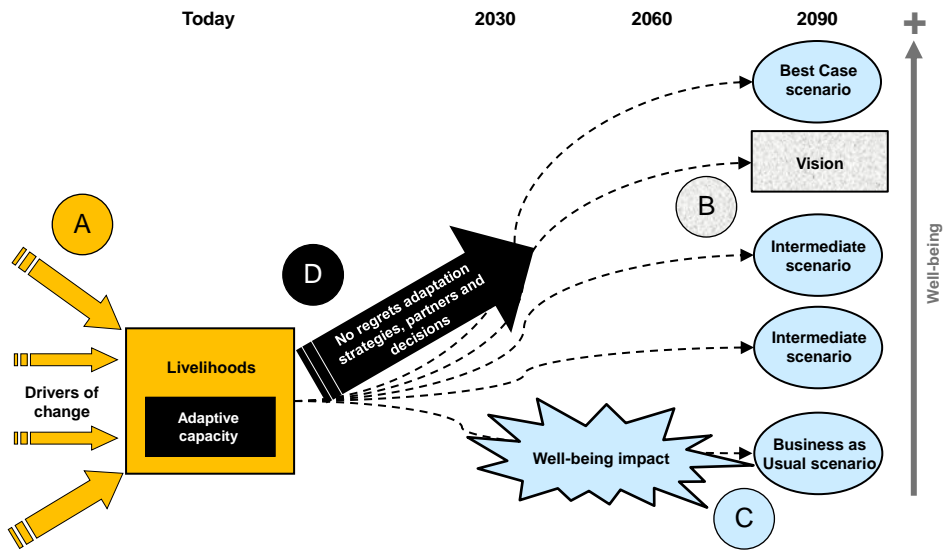
Brown, V. 2008



Butler et al. 2015 Coastal Management 43:346-364



Workshop process



Butler et al. in press *Climate Risk Management* special issue

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Em tasol, terima kasih

