Building resilient communities for Torres Strait Futures

Torres Strait Futures Workshop

22nd – 23rd October 2012
Shangri-la Hotel, Cairns

Australian Government

CSIRO
Team

CSIRO
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Uncertain Torres Strait futures

Rapid drivers of change

• Climate change
• Peak oil
• PNG population growth
• PNG resources boom
• Disease and biosecurity
• Human migration

Implications for livelihoods

• Threats
• Opportunities

Need for pro-active and participatory planning
Research questions

1. What are the possible future changes in environmental and socio-economic drivers in the Torres Strait?

2. How will they affect communities and their livelihoods?

3. Which communities are most likely to be impacted by changes?

4. What is their capacity to adapt?

5. What ‘no regrets’ strategies will enhance communities’ capacity to adapt?

6. What makes Torres Strait communities resilient?

7. What effect does the project have on stakeholders’ perceptions?
Outcomes

1. Provision of information to communities and regional stakeholders to advise strategic decision-making (including Treaty)

2. Identification of alternative livelihoods and ‘no regrets’ strategies

3. Increased capacity for communities and stakeholders to avoid mal-adaptive strategies

4. Support the development of community-based holistic plans for adaptation planning
Research framework

Cross-scale comparison and integration

Village

Island

Torres Strait

Livelihoods
- Income
- Health
- Food security, social cohesion

Drivers of change
- Population
- Economy
- Climate change

Ecosystem goods and services
- Agriculture
- Fisheries
- Freshwater

Ecosystem assets
- Terrestrial
- Freshwater
- Marine

Adaptation strategies

Participatory planning with stakeholders

Outcomes
Project focus

Protected Zone islands:

- Boigu
- Dauan
- Saibai
- Ugar
- Erub
- Mer
- Masig
- Poruma
- Warraber
- Iama
- Mabuiag
- Moa
- Badu
Agenda

DAY 1: Monday 22nd October 9 am – 5 pm

Session 1: What are the drivers of change for Torres Strait communities and their livelihoods?

Session 2: What are the desired and possible futures for Torres Strait communities?

Session 3: What impact will the Business as Usual future have on human well-being?

DAY 2: Tuesday 23rd October 8.30 am – 5 pm

Session 4: What is the adaptive capacity of Torres Strait communities today? (TRADITIONAL INHABITANTS MEETING)

Session 5: Which are the most vulnerable communities and livelihoods in the Torres Strait?

Session 6: What are the priority adaptation strategies required to improve livelihoods in the Torres Strait?
Workshop process

Adaptive capacity

Politics
Economics

DRIVERS OF CHANGE

Social issues
Institutions

TS LIVELIHOODS

‘No regrets’ adaptation strategies for island case studies

Impact on human well-being

2012

2030

2060

2090

1. Northern Exposure

2. Doug World

3. Hope Island

4. Torres Strait Territory

TS LIVELIHOODS VISION

Impact on human well-being
THANK YOU
ESSO
Workshop process

Adaptive capacity

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Drivers of change

Emigration?

Impact on human well-being

Climate change?

‘Best Case’ Scenario

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Scenario

Scenario

‘Business as Usual’ Scenario

2012

2030

2060

2090

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2030

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'Best Case' Scenario

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Scenario

Scenario

‘Business as Usual’ Scenario

Impact on human well-being

Emigration?

Climate change?

Drivers of change

Adaptive capacity

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