

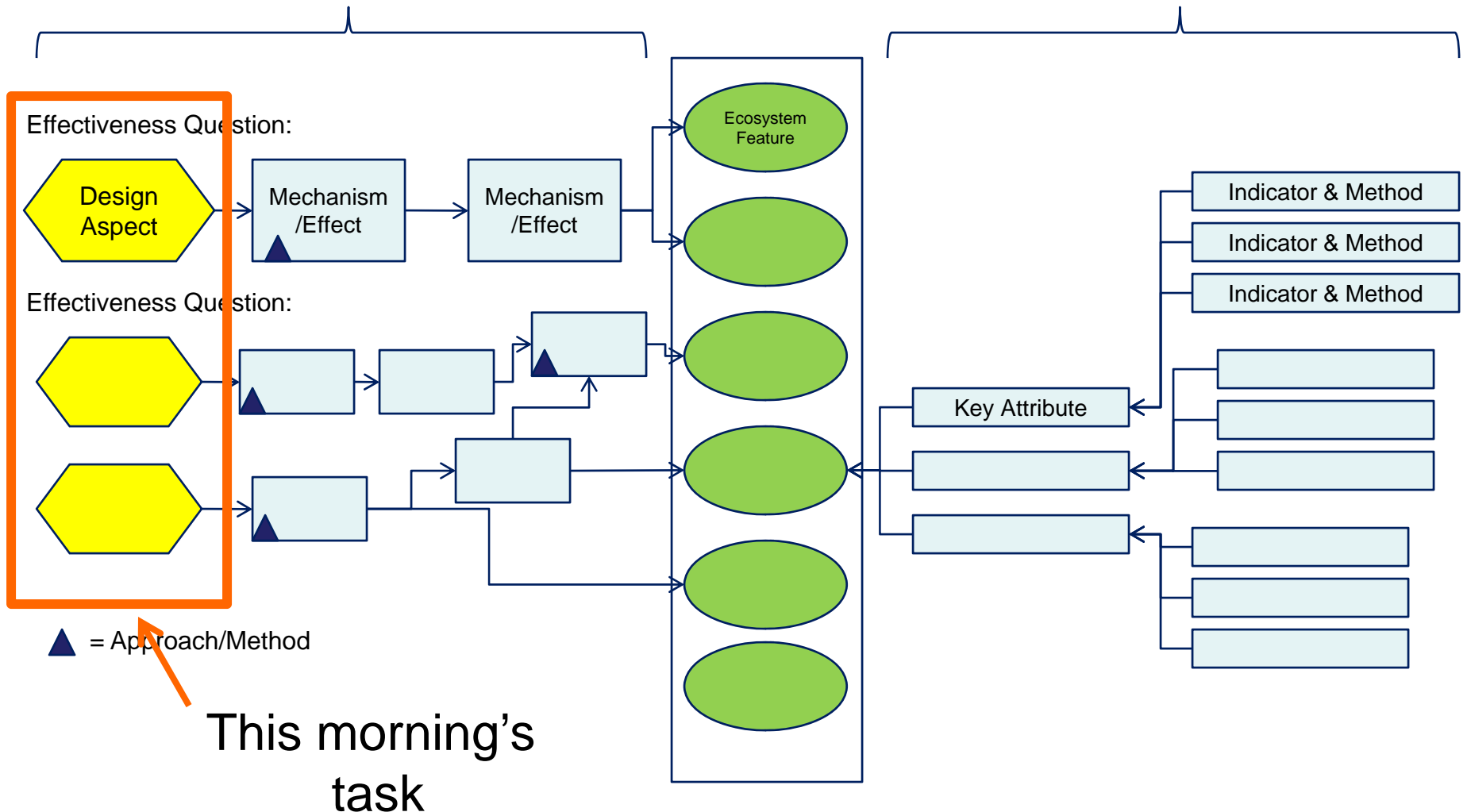
North Central Coast Monitoring
Planning Workshop
Oct 22-23, Pacifica

***Introduction to Effectiveness
Measures & Identification of
Key Effectiveness Questions***

Monitoring Framework

Effectiveness Monitoring

Status & Trends Monitoring



Morning Session

1. What is effectiveness monitoring within the MLPA context?
2. What are key effectiveness questions?
3. Group identification of key effectiveness questions

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Monitoring Framework: Key Principles

- Focus on 2 questions:
 - ‘Why do we need to know this?’
 - ‘Can we feasibly do this?’
- Progressive setting & refining of priorities with rationales
- Focus on information most useful to management purposes
- Not reinventing the wheel
- Integration with policy context

Effectiveness Monitoring: What it is

- **MLPA:** “Provisions for monitoring, research, and evaluation at selected sites to facilitate adaptive management of MPAs...”
- **Master Plan:** “Marine reserves and protected areas must be monitored and evaluated to determine if goals are being met and to provide information for refining the design of current and future MPAs and reserves.”

Informing Adaptive Management

Effectiveness Monitoring: What It Is

- Seeking to help inform future management decisions
- Helping uncover relationships between network design aspects and system response
- Seeking to improve the best available science

Effectiveness Monitoring: What It Is **NOT**

- Setting targets for performance
- Providing a “yes” or “no” or “pass/fail” answer
- Recommending changes in management action

Effectiveness Monitoring: Challenges

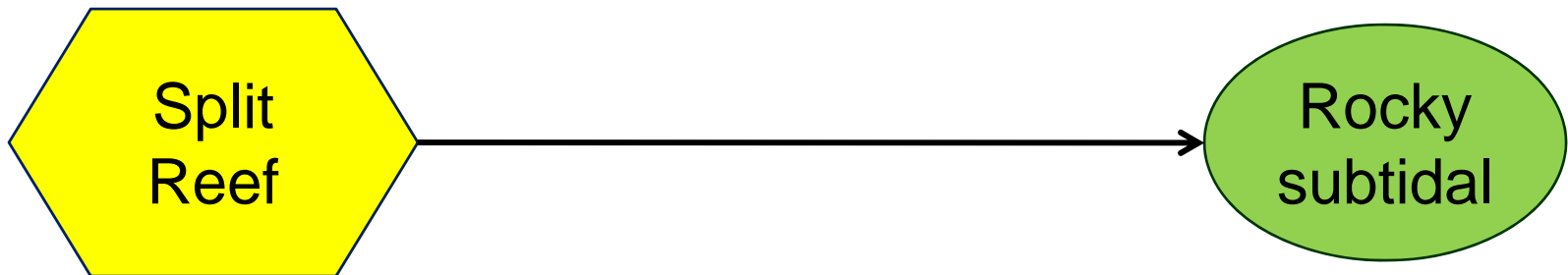
- Some questions cannot be answered
- Not all questions will inform adaptive management
- Some answers may take many years

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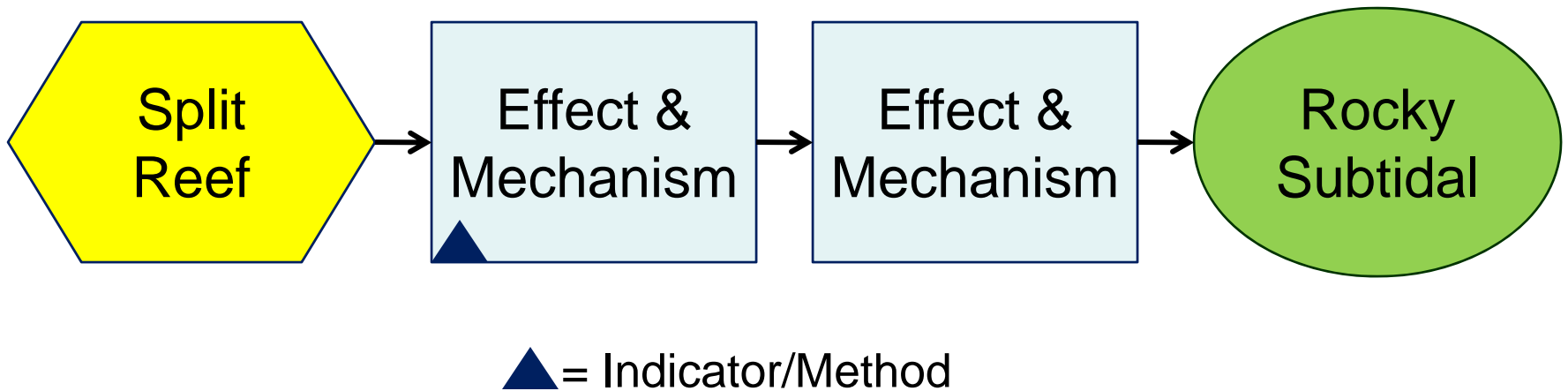
Effectiveness Questions: An example

‘What is the effect of placing an MPA boundary across a rocky reef, i.e. splitting the reef?’



Effectiveness Questions

‘What is the effect of placing an MPA boundary across a rocky reef, i.e. splitting the reef?’



Effectiveness Questions

What is the **effect** of X on Y?

Effectiveness Questions

What is the effect of
[an MPA Design Aspect or Decision]
on
[an Ecosystem Feature or component]?

Effectiveness Questions

What is the effect of
splitting a rocky reef
on
Rocky subtidal system?

Effectiveness Questions

What is the effect of
placing MPAs near research institutions
on
educational opportunity?

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Your Task – In Groups of 2-3 People:

What are the 3-6 specific effectiveness questions on which you think MPA monitoring should focus?

- Include an MPA design aspect or decision
- Include an ecosystem feature (or component of a feature)
- Be as specific as possible

Write key words LARGE. Max 10 words.

Describe question on reverse of card. 45 minutes