

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

***Charge to Scientific
Working Groups:
Effectiveness Measures***

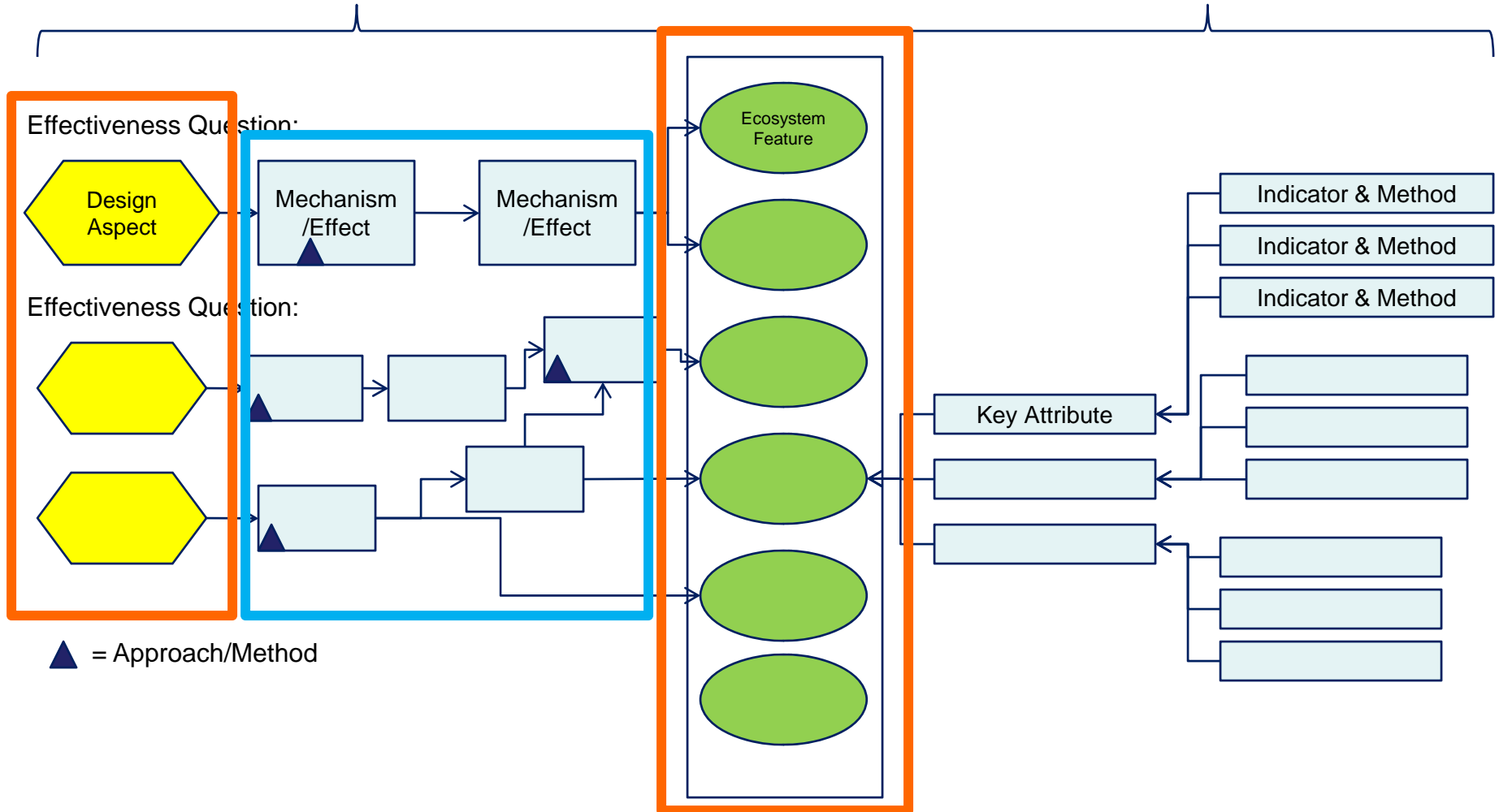
Scientific Working Groups: Goals

- Develop scientifically sound recommendations for long term monitoring approaches
 - Create a forum for technical discussion & debate
 - Foster evaluation of creative, novel approaches
 - Respond to review comments
- Discuss ideas & refine recommendations with workshop participants to help inform a draft monitoring plan
 - Convey ideas and deliberations: capture key thinking
 - Provide recommendations based on scientific and practical evaluations

Monitoring Framework

Effectiveness Monitoring

Status & Trends Monitoring



Developing Effectiveness Monitoring

- What are the mechanisms by which MPA design aspects or decisions interact with the ecosystem?
 - (e.g. MPA spacing effects via adult movement, larval dispersal etc)
- What indicators/methods can we use to explore this interaction?
 - (e.g. adult tagging, genetics)

Informing adaptive management

- What are the mechanisms by which MPA design aspects or decisions interact with the ecosystem?
 - Identification of possible effects of MPAs
 - Increasing understanding the ways in which different MPAs function
- What methods/indicators can we use to explore this interaction?
 - Understand relationship between MPA design elements and ecosystem features

Developing Effectiveness Monitoring

Identify & evaluate potential methods & indicators:

‘What are the most important pieces of information to know and why?’

- Can this inform adaptive management?
- How long will it take?
- Reliability: error sources and magnitude
- Interpretation

Developing Effectiveness Monitoring

Identify & evaluate potential methods & indicators:

‘How knowable are these pieces of information?’

- Not all questions are answerable
- Recommended methods
 - application to NCC proposed MPAs
 - analysis and interpretation
 - costs

Developing Effectiveness Monitoring

Identify & evaluate potential methods & indicators:

Additional considerations:

- Feasible times needed to inform adaptive management
- Efficiencies gained by approach/method overlaps
- Network performance
- Recommendations for state-level monitoring

Outcomes: Inputs to Workshop 2

- Design aspects or decisions that can usefully be assessed by monitoring information
- Evaluations of proposed approaches
- Recommended mechanisms for assessment
- Recommended methods/indicators