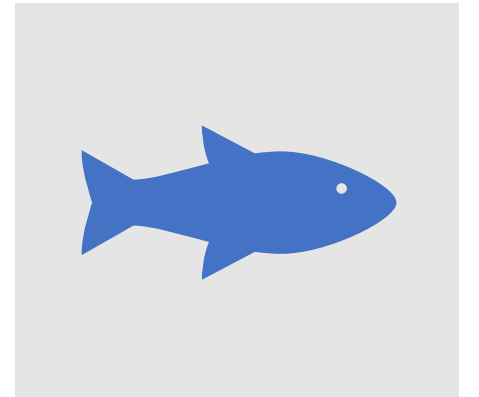


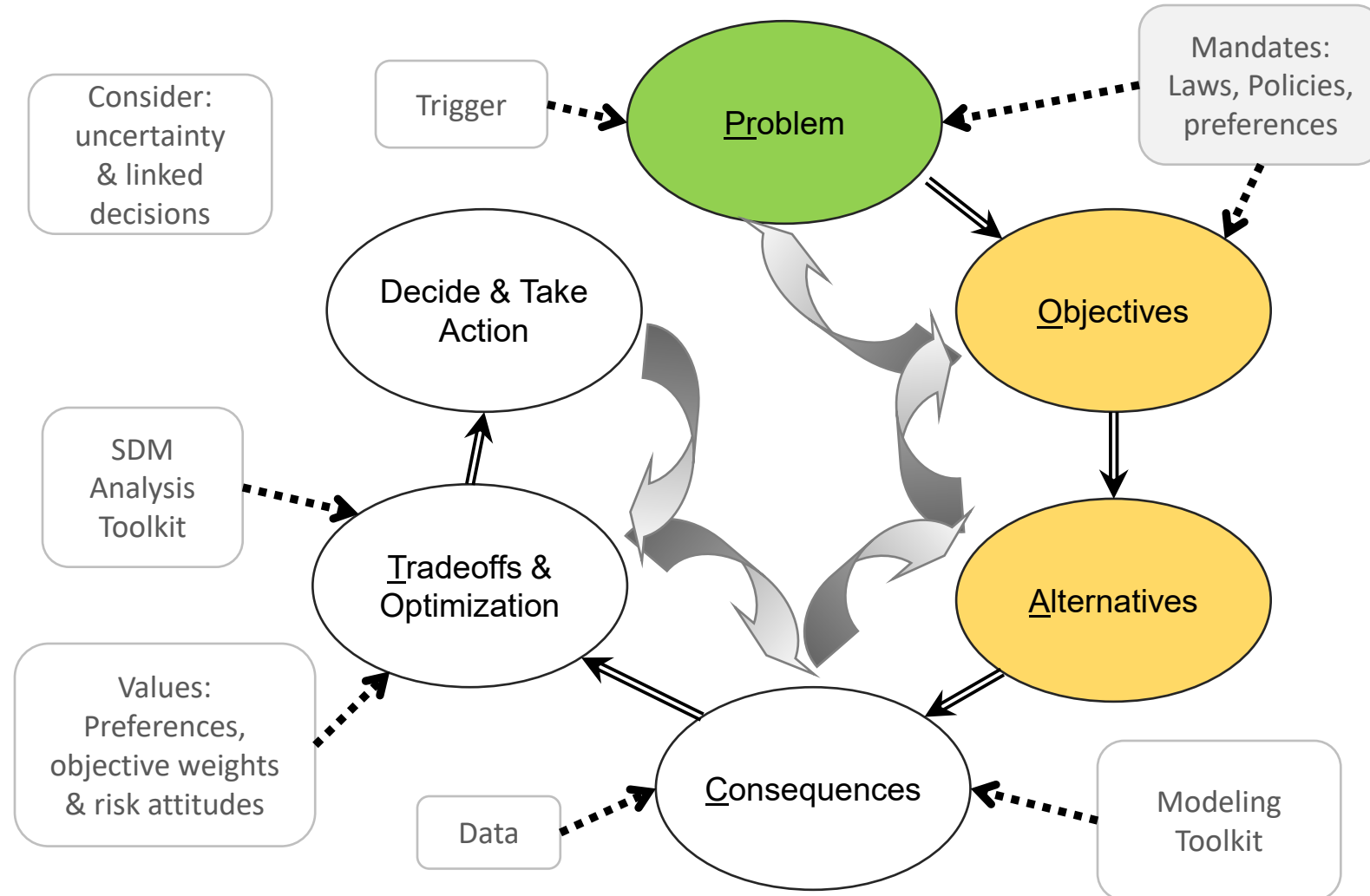
Supporting the Future of the Summer Flounder Fishery



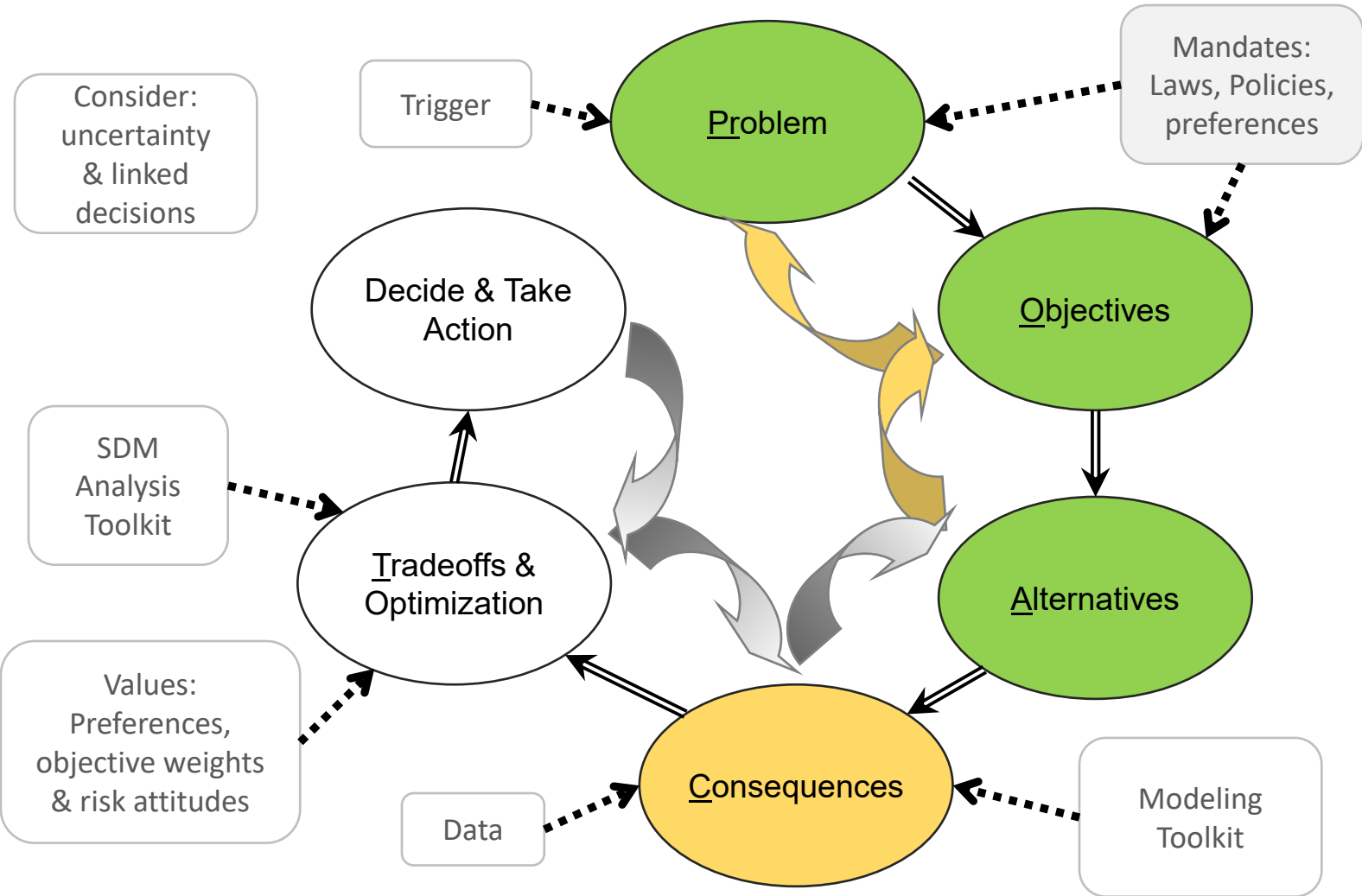
Workshop 1

Review Session 1

Where we are



Where we're going



Our Vision –

Proactive, hopeful approach to address opportunities and risks

Co-development of fishery management strategies via...

Structured Decision Making & Management Strategy Evaluation...

A participatory, facilitated process to:

- define our **goal** for the process
- define **management decisions**
- identify **objectives** to consider
- suggest **management strategies**
- specify **model components**
- evaluate **trade-offs** between objectives



Process Goals

Expectations – Quoted from the Agenda document

- **Inquiry-based process**
- **Cooperative process**
- **Evidence based results**
 - Management strategy evaluation is more of an **inquiry-based process**, one of imagining the world as we would like it to be and exploring ways to get there.
 - The process will be more effective if we all come into it with an open mind to **exploring the set of possibilities**, **helping each other to ask and answer these what if questions** and **letting the model** of the system we create together **inform the outcomes** of those possibilities.
 - the intent of the process is to **inform decision making rather than to produce a decision**
 - *Impartial Dialogue*: **We will not pursue a preconceived outcome**. At the outset, all outcomes are on the table. We will **explore possible outcomes or decisions without advocacy**, **letting the process reveal the strategies that achieve our objectives**.

Products

- A set of objectives for the fishery and their importance
- Identify the relative performance of proposed management strategies
 - May identify a recommended strategy

Process Goals

Addressing Differences of Opinion

1. Seek consensus
2. Proceed along multiple paths
 1. Explore 2 or more sets of inputs
 - Objectives
 - Models
 2. Prototyping & parking lot
 - Start simple
 - Expand as time permits
3. Facilitator decision – **speak to me**
 - Parking lot
 - Documented in notes and report
4. Working Group decision
 - Modeling team
 - Council representation
5. Council decision

Management Decisions

Decide how to meet the challenges of satisfying the diverse groups of anglers engaged in the recreational fluke fishery by addressing discarding, discard mortality, and data quality, while allowing for meaningful access to the fishery, accounting for temporal and spatial differences in recreational mode availability, considering the impacts of size and male to female take ratios, and achieving equity in recreational modes given the bounds of what is viable within the regulatory framework.

Workshop 1 overview

Session 1 – June 14

Understand the structure of the management strategy evaluation process.

Develop a common understanding of the decision

Understand how to provide objectives and alternatives

Prep for Session 2

1. Create your list of objectives
 - a. Identify measurable attributes
2. Create your list of alternatives
 - a. Identify strategies

Session 2 – This is happening

Examine how simulation results inform fishery management

Develop prototype objectives and alternatives

Workshop 1 interaction

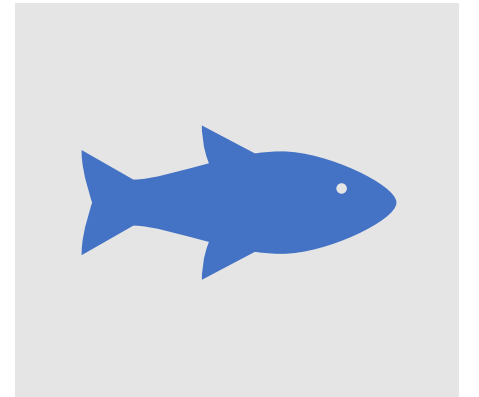
Webex

- If possible, camera on please
- Raise hand to speak
- or type comments and questions in the chat
- Message Brandon with technical issues

Notes

- Kaili and Annabelle will lead
 - Everyone's responsibility
 - Live action note taking

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Workshop 1

Decision Analysis and Simulation Overview

Examples of where this is going

Jonathan Career Decision Analysis

[show excel spreadsheet](#)

Apartment Selection with Roommates

[show excel spreadsheet](#)



Managers implement
an action.

Our simulation model

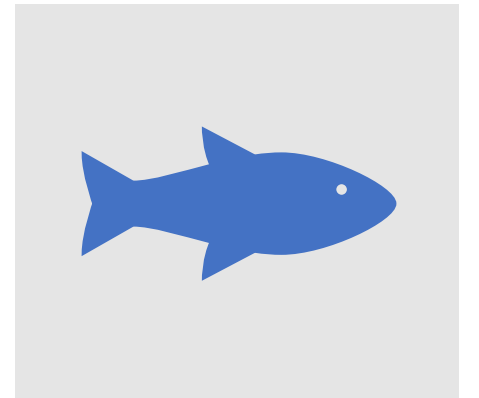
Presentation by Andrew (Lou) Carr-Harris

Overview of how we will predict the effects of your proposed alternatives



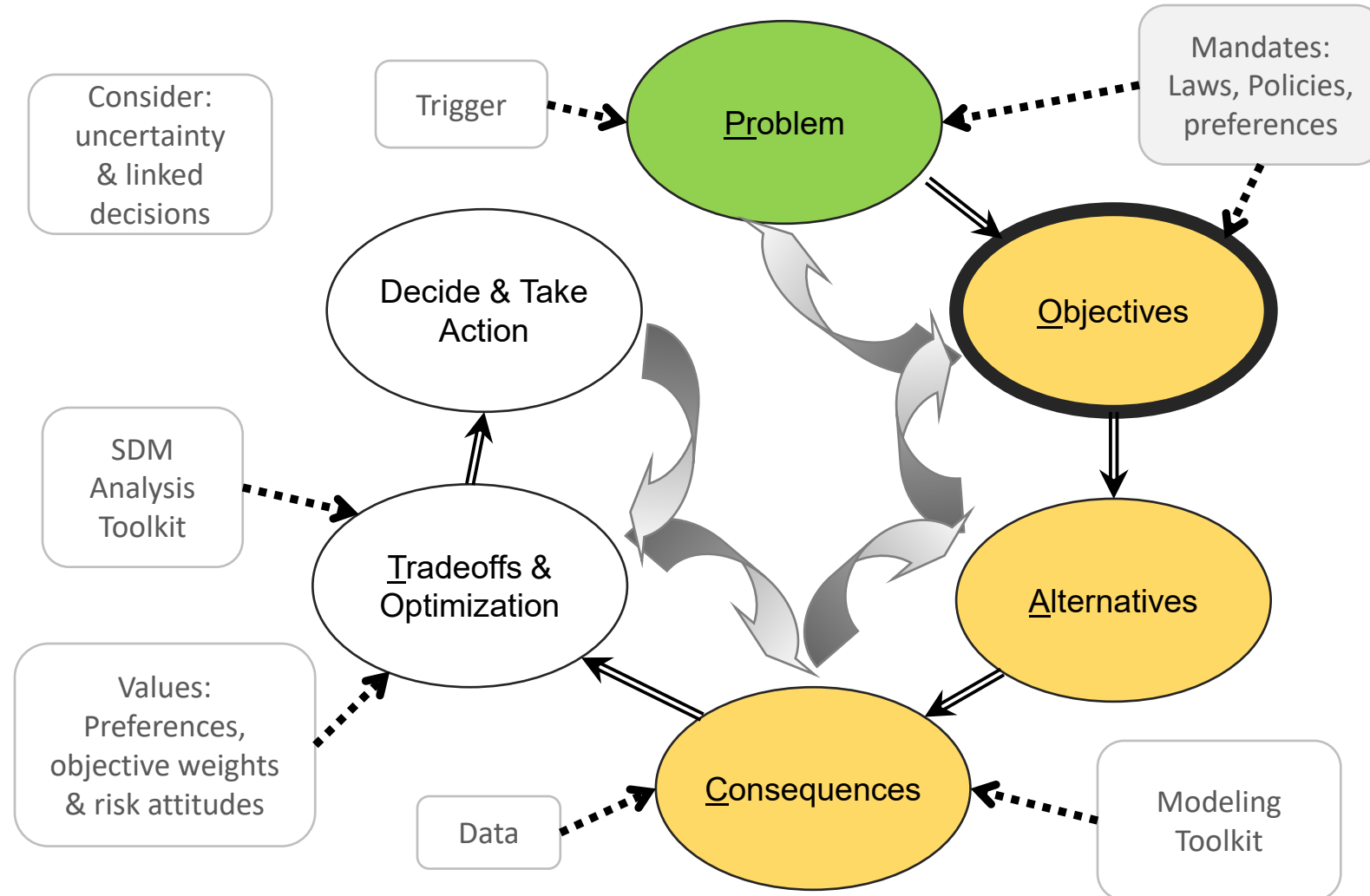
Managers implement an action.

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Workshop 1
Objectives

Where we are



Our Task

Clarify the Objectives

- Avoid linguistic uncertainty
 - Clearly define the thing of value
- Categorize Objectives
 - Ask why?
 - establish fundamental vs means objectives

[Miro visual](#)



Our Task

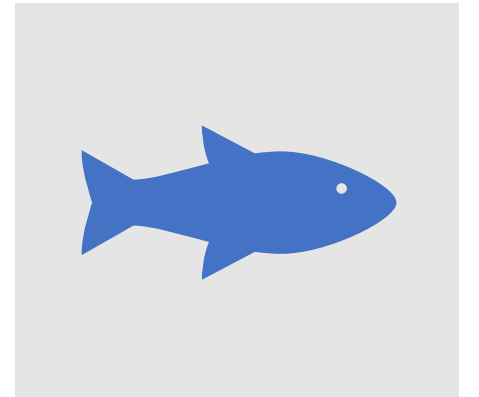
Develop Measurable Attributes

For each objective

- Tell Modeling Team what to predict
 - E.g., # caught, \$, ...

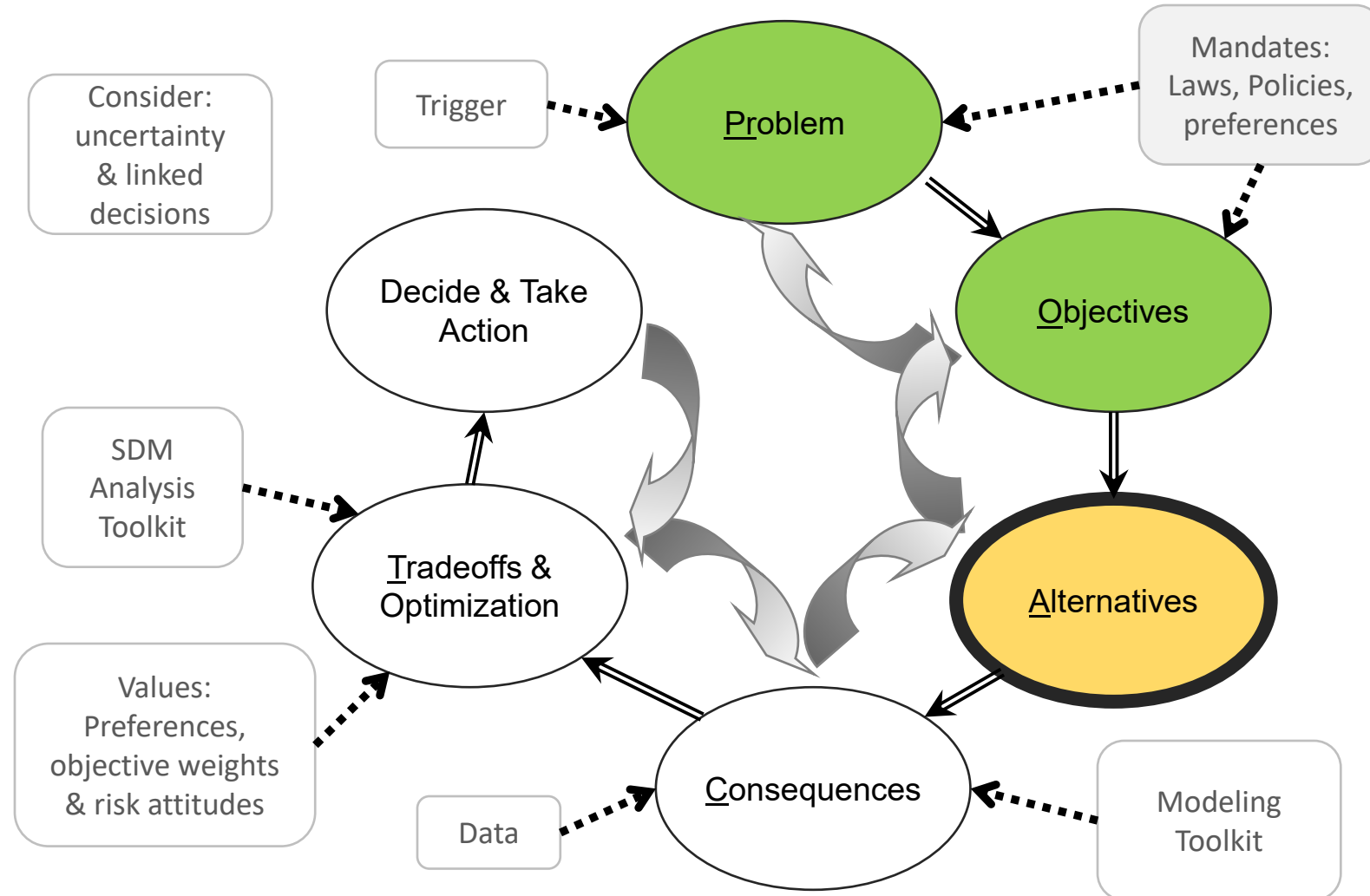


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Workshop 1
Alternatives

Where we are



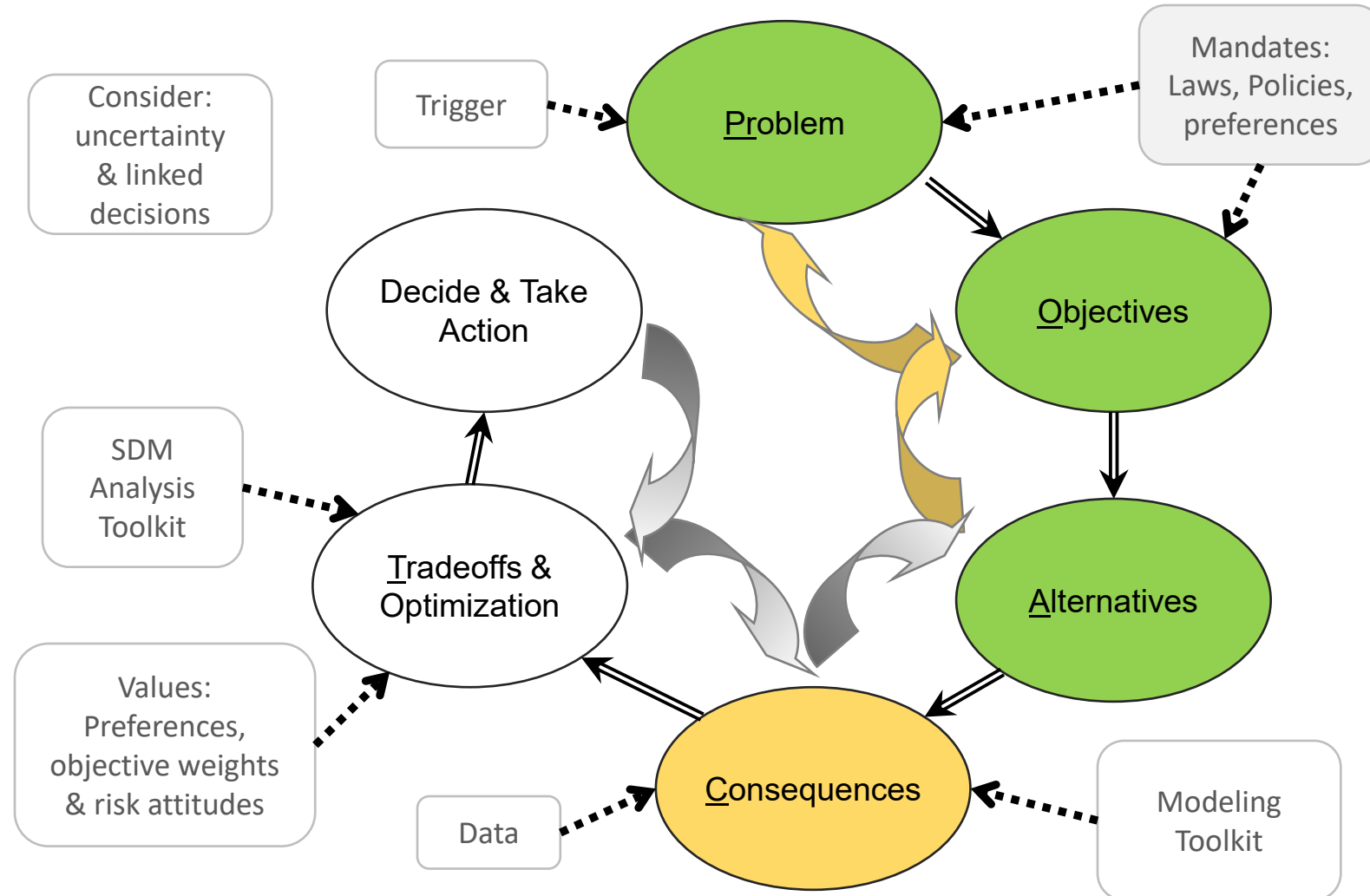
Our Task

Clarify the Alternatives

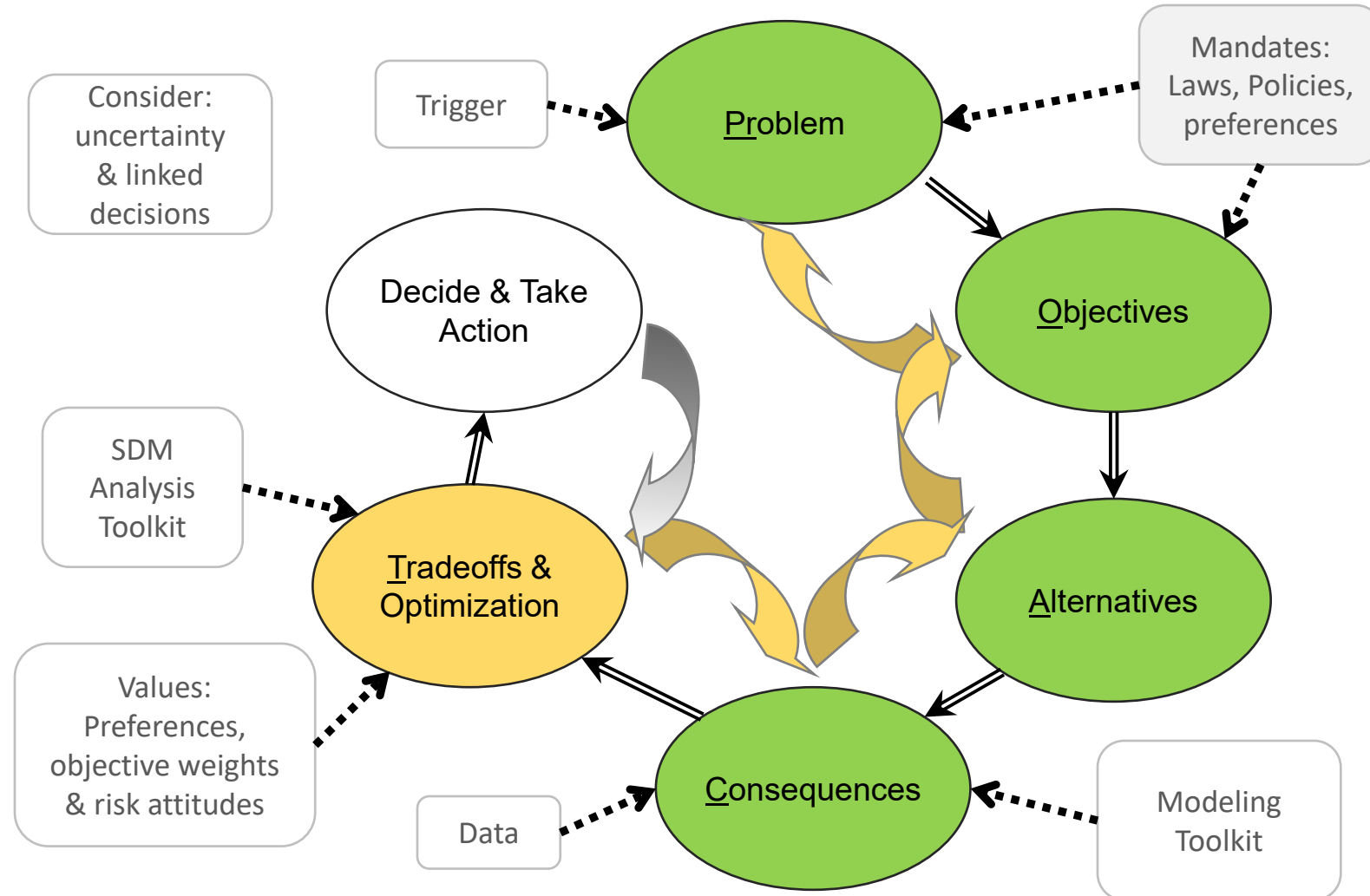
- Avoid linguistic uncertainty
 - Clearly define the action or regulation
 - Establish the component options
 - Eg, what size limits to consider



Where we are



Where we're going are



Workshop 2 overview

Goals

Develop weights to evaluate tradeoffs between objectives

Understand how to use results to evaluate and visualize management strategy outcomes

Review and adjust prior inputs to the management strategy evaluation process

Agenda

1. Review Workshop 1 and Updates
2. Weighing Tradeoffs
3. Review Products developed
4. Model Updates
5. Simulation Results
6. Revisions

Resources

Brandon: bmuffley@mafmc.org

Jonathan: jonathan.cummings@gmail.com

Books: Smart Choices and Give Yourself a Nudge

MAFMC Website: <https://www.mafmc.org/actions/summer-flounder-mse>

Google Drive:

Core Group Folder: <https://drive.google.com/drive/folders/1UWmEI9ulc2AZ3iZQY7S5SfzpivX8UcdB>

Agenda: https://docs.google.com/document/d/1X6KeWFhJo6tnSoM5_WY8KmQEUNV54poH/edit#

Notes: https://docs.google.com/document/d/1wRyg9EPKBVT5lWj0VVp7w0-0EYYLUoGfQjpmrK_w7Pc/edit