# Structured Decision Making Shiny Storyboard

| Problem | Sketch/write how you will convey the problem in your app |
|---|---|
| - What is the problem? <br><br> - Who defined the problem? <br><br> - What is the spatial and temporal scope of the problem? <br><br> - What groups of people does it affect? <br><br> - What does each group value? | |

# Structured Decision Making Shiny Storyboard

## Objectives

- What are the objectives?

- Are they quantifiable and informed by science, policy, and law?

- Who defined the objectives? How do you make sure the right people have been consulted?

## Sketch/write how you will convey the objectives in your app

# Structured Decision Making Shiny Storyboard

## Alternatives

- What are the possible management actions we could take?

- Are they continuous or discrete?

## Sketch/write how you will convey alternatives in your app

# Structured Decision Making Shiny Storyboard

**Consequences**

- What are the consequences of each management action?

- What models do we need to predict consequences?

- What data do we need?

**Sketch/write how you will convey consequences in your app**

# Structured Decision Making Shiny Storyboard

**Tradeoffs**

- Do any of your objectives conflict?

- How will the decision-maker weigh the costs and benefits of different actions?
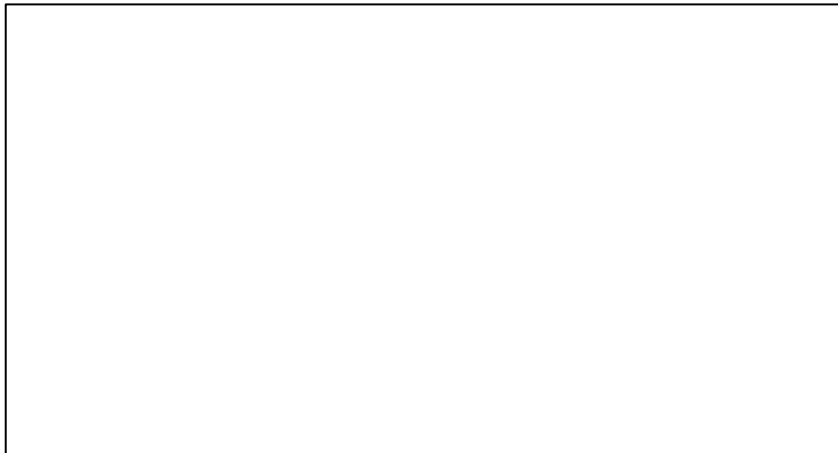
**Sketch/write how you will convey tradeoffs in your app**
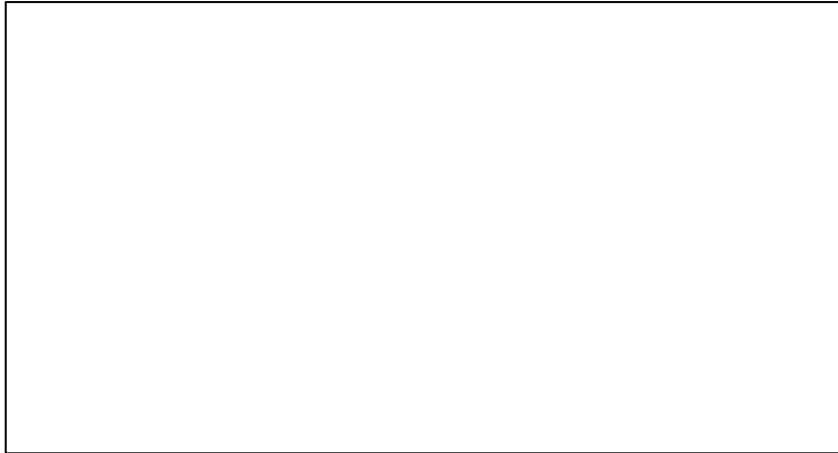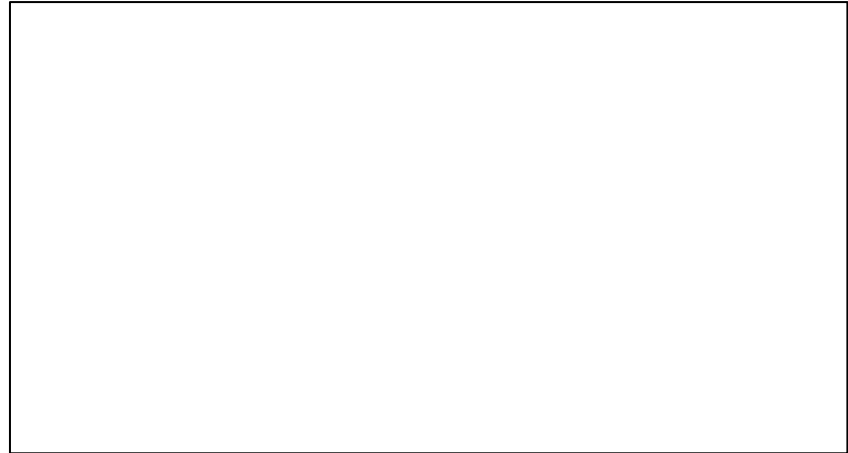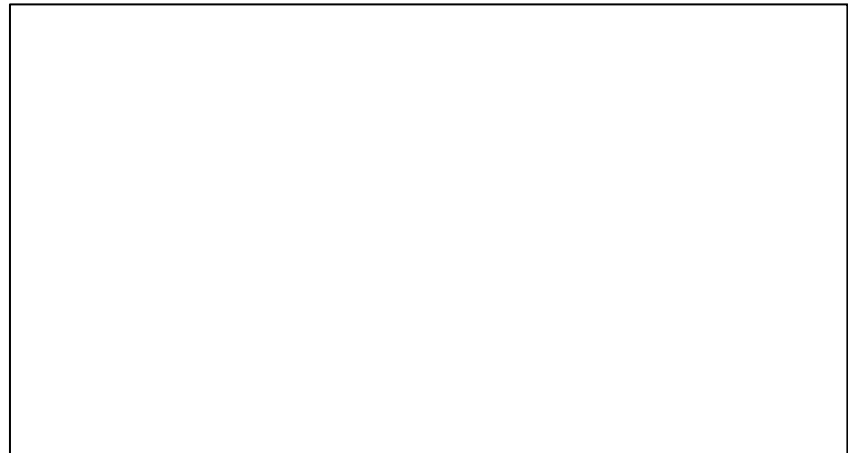
# Structured Decision Making Shiny Storyboard
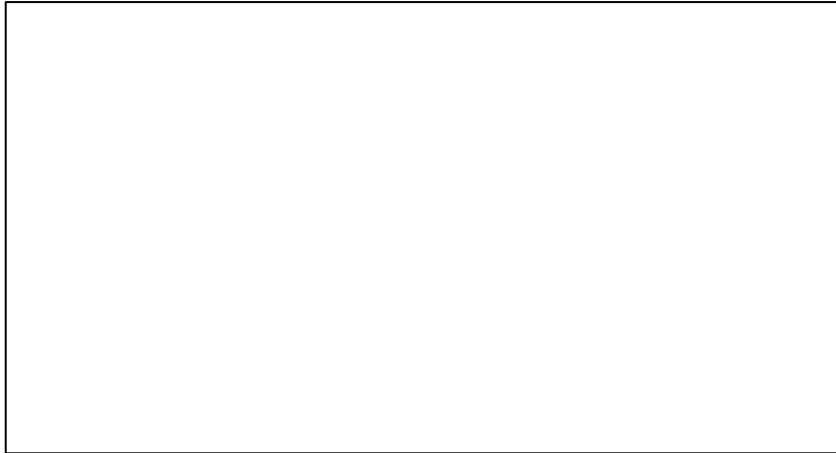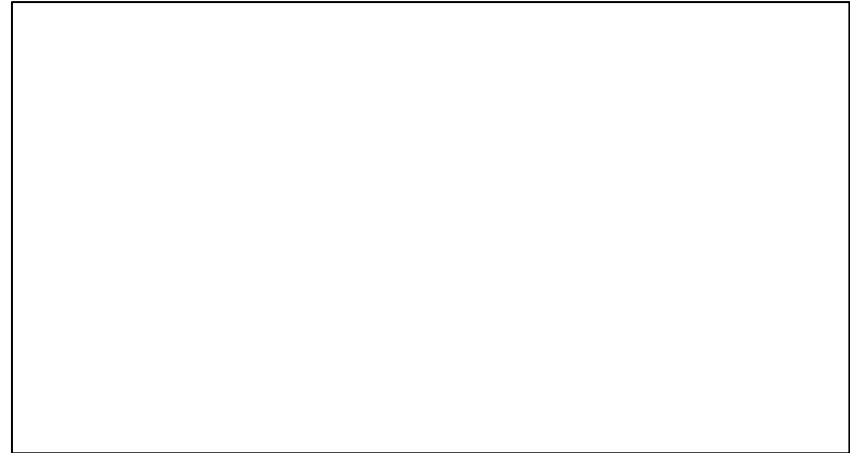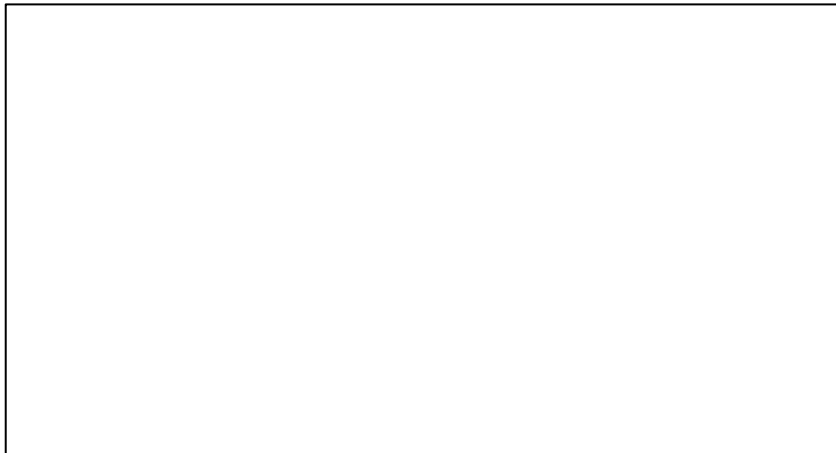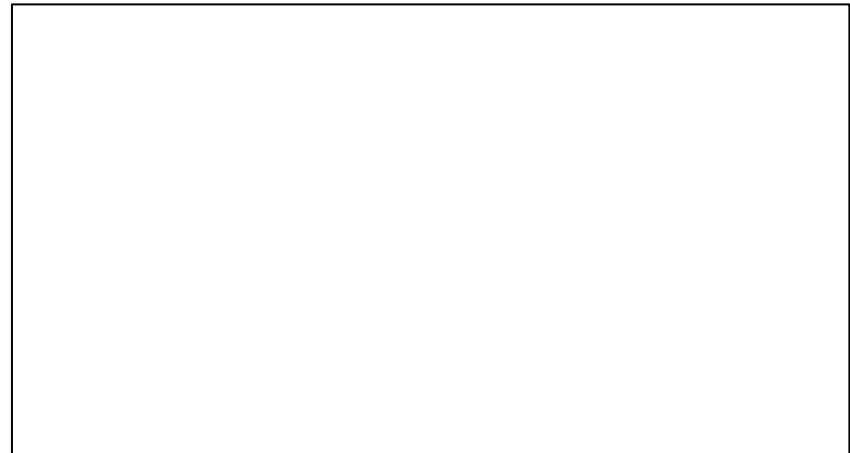
**Risk and uncertainty**

- How do you quantify uncertainty in your decision-making process?

- How sensitive to risk are the people involved in the decision-process? Are they more sensitive to risk in some outcomes than others?

**Sketch/write how you will convey uncertainty in your app**

# Structured Decision Making Shiny Storyboard: sketch your app!

**Structured Decision Making Shiny Storyboard: what do you need to succeed?**