

Structured Decision Making for Sustainable Agriculture Workshop

Agenda

5:40-5:55 Introductions and Objectives

5:55-6:20 Decision Context

6:20-6:45 Defining Objectives

6:45-7:10 Creating Performance Measures

7:10-7:20 Break

7:20-7:45 Constructing Alternatives

7:45-8:10 Uncertainties

8:10-8:35 Consequence Analysis

8:35-9:00 Closure and Follow-up

Decision Context

Decision (What's this decision about? What's the choice you're trying to make?):

Vision Statement (Why is this decision important? What will it help you achieve?):

A few important factors to consider (how will this decision influence other elements your farm?)

<u>Human/Social</u>	<u>Financial/Economic</u>	<u>On-Farm Resources</u> (equipment, staff, time...)	<u>Other</u>

Challenges you face in making this decision:

Objectives

Fundamental

(What ultimate outcomes do you hope this decision achieves? Under no circumstances can you violate these objectives!)

Means

(Preferred methods, ideas, activities, ways of meeting fundamental objectives)

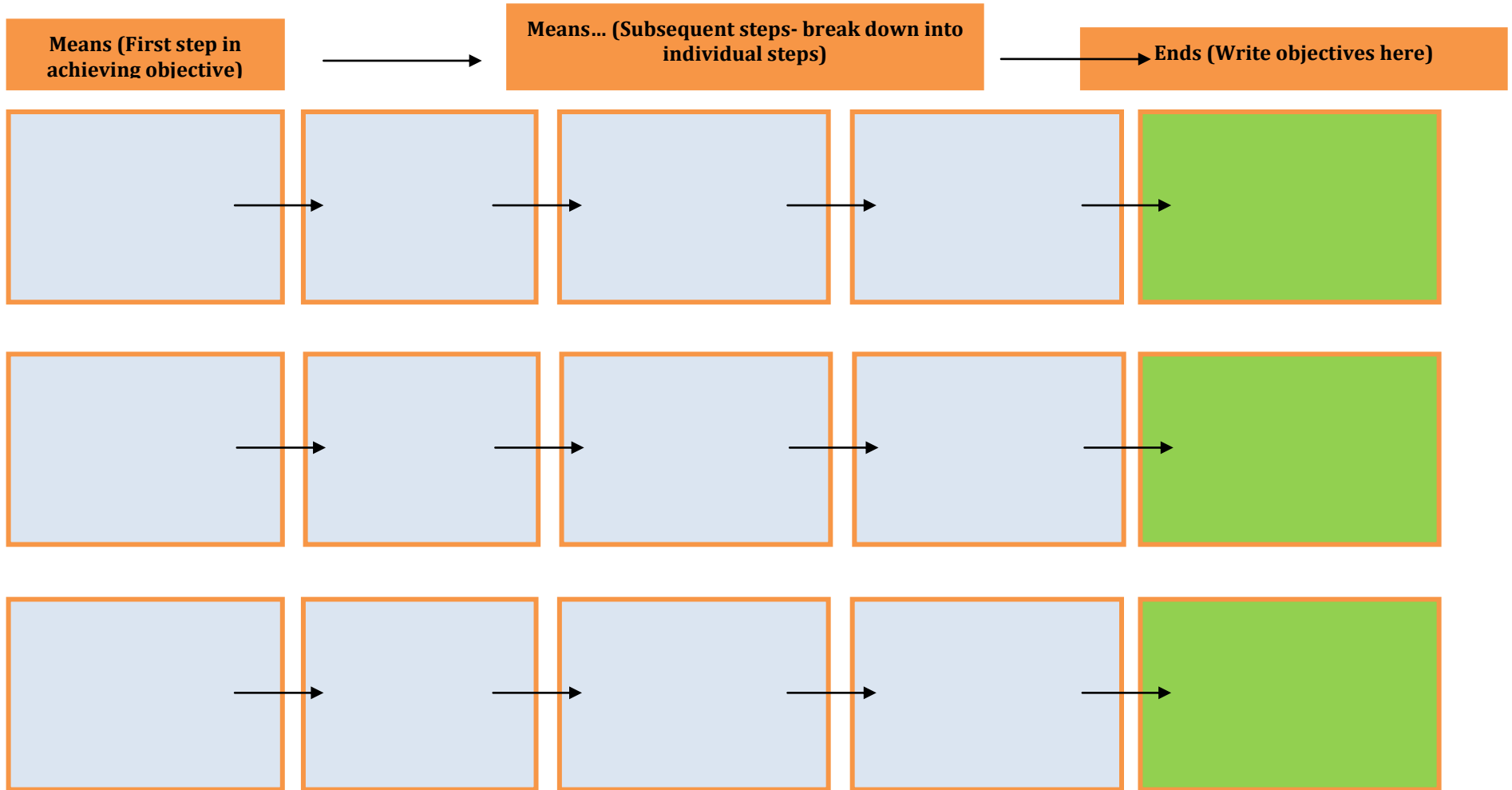
Strategic

(Off-farm objectives; those that involve external organizations; secondary objectives; things you'd like to accomplish as you work to meet your fundamental objectives)

Procedural

(Objectives for the individuals, groups, organizations involved & their role in decision-making)

Means-Ends Diagrams



→

Working left to right, ask yourself, "Why is that important?"

←

Working right to left, ask yourself, "What do I need to do first?"

Performance Measures

	Goals/Criteria	Indicators	Standard
Fundamental			
Strategic			
Procedural			
Means			

Creating Alternatives (Alt 1)

Who (list who is involved in this action and what is their role?)	
What & When (what steps, procedures, phases occur in this action?)	
Where (Where do activities occur? What exactly occurs in these locations?)	
Why (Be sure to address all performance measures; Be sure to address all objectives.)	

Summary of Alternative:

Creating Alternatives (Alt 2)

Who (list who is involved in this action and what is their role?)	
What & When (what steps, procedures, phases occur in this action?)	
Where (Where do activities occur? What exactly occurs in these locations?)	
Why (Be sure to address all performance measures; Be sure to address all objectives.)	

Summary of Alternative:

Creating Alternatives (Alt 3)

Who (list who is involved in this action and what is their role?)	
What & When (what steps, procedures, phases occur in this action?)	
Where (Where do activities occur? What exactly occurs in these locations?)	
Why (Be sure to address all performance measures; Be sure to address all objectives.)	

Summary of Alternative:

Creating Alternatives (Alt 4)

Who (list who is involved in this action and what is their role?)	
What & When (what steps, procedures, phases occur in this action?)	
Where (Where do activities occur? What exactly occurs in these locations?)	
Why (Be sure to address all performance measures; Be sure to address all objectives.)	

Summary of Alternative:

Uncertainty

What are your fears regarding your decision making?

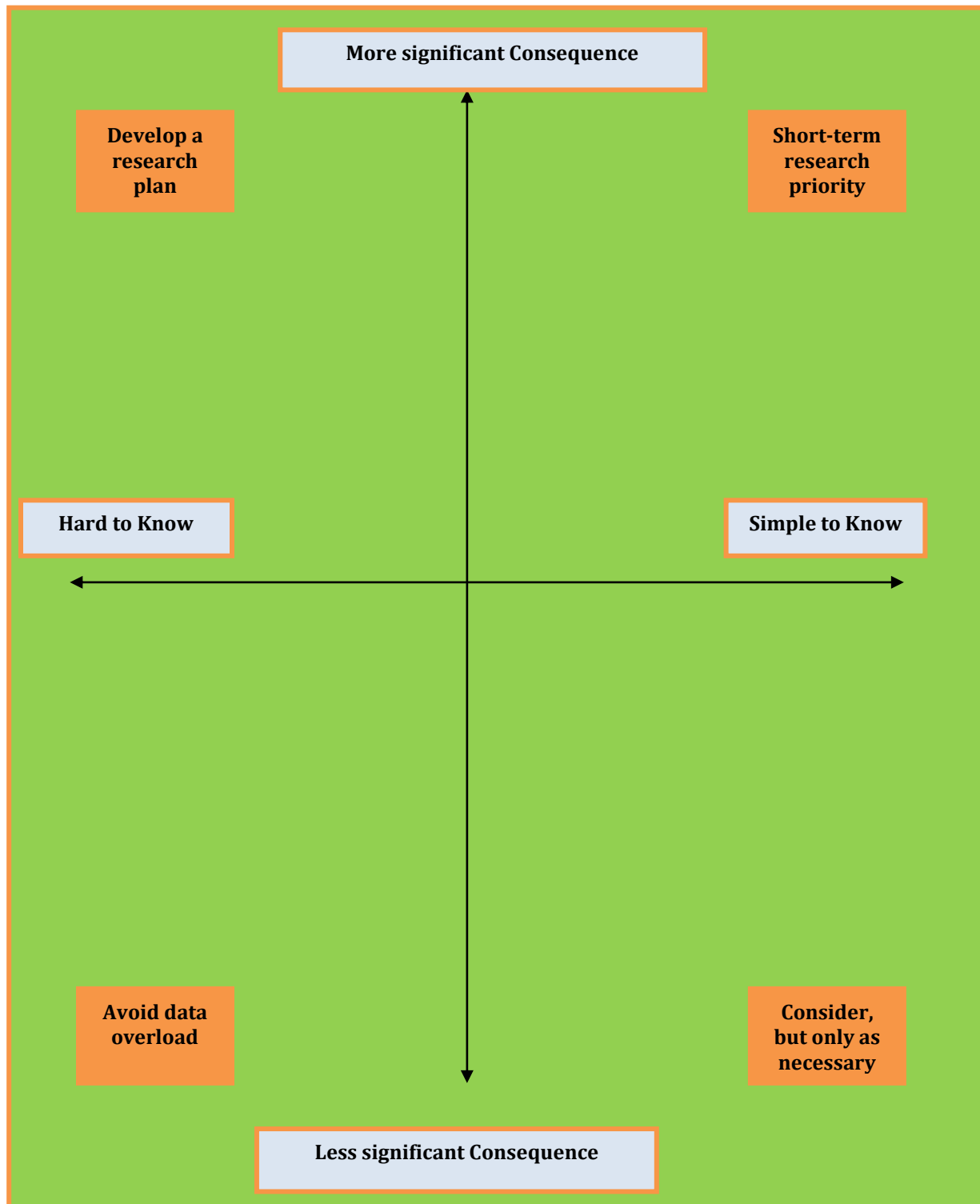
What risks are you taking?

Reducing Uncertainties of Known Unknowns

Unknown and why important to know	Data/information you need	How can you collect/find this info?	Steps you can take

Think of two questions you'd like to ask today that other farmers might be able to help with.

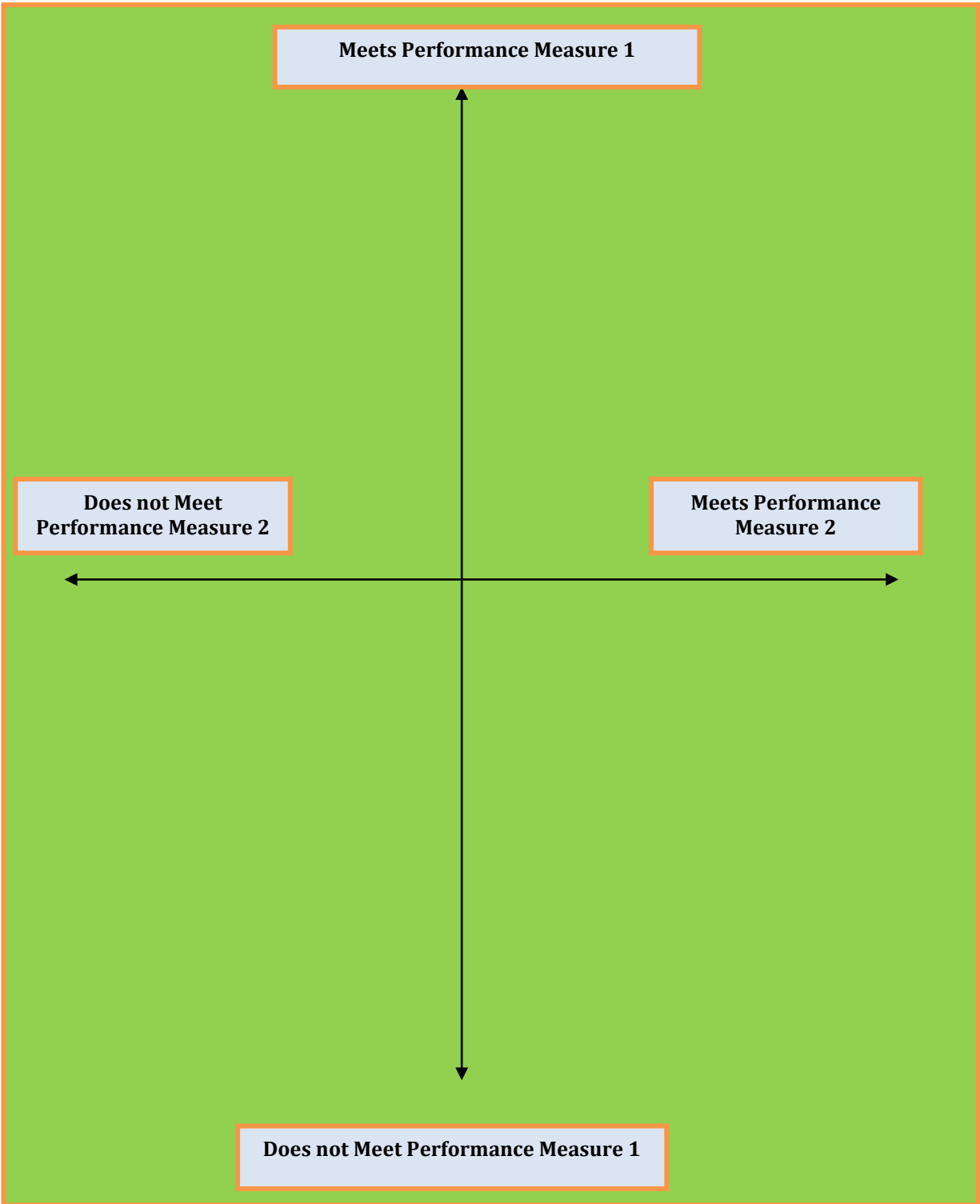
Characterizing Risk and Reducing Data Overload



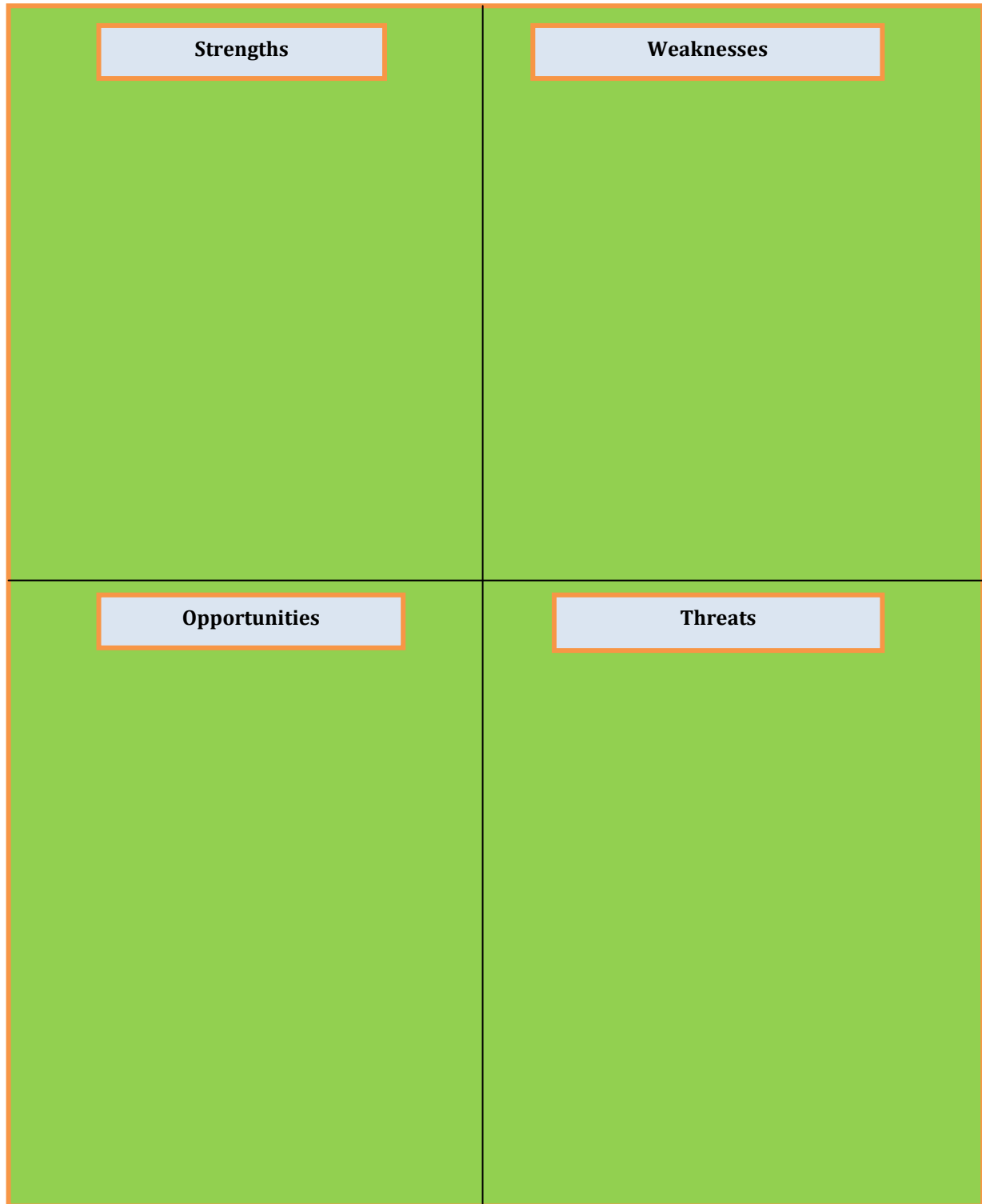
Characterizing Consequences

Alternatives	Performance Measure 1	Performance Measure 2	Performance Measure 3	Conclusions
Alt 1				
Alt 2				
Alt 3				
Alt 4				

Consequence Cluster Diagram



SWOT Analysis for Consequence Diagram



Ranked Pro-Con Analysis for Consequence Diagram

Distribute 100 points among the factors in your Pro and Con categories (you have a total of 100 points to distribute among BOTH sides of the chart).

Pros	Points	Cons	Points
Total		Total	

