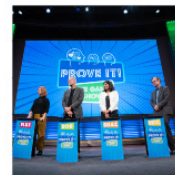
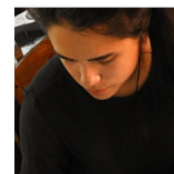
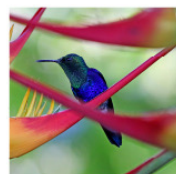
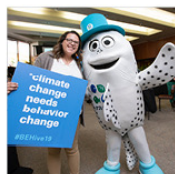




Evaluating Behavior Change Programs

December 8, 2022



Behavior change & climate philanthropy series

December 7

- 10:00-11:30am ET: Behavior-Centered Design & climate philanthropy
- 2:00-3:30pm ET: Framing the challenge: Systems thinking & behavior change

December 8

- 10:00-11:30am ET: Evaluating behavior change programs
- 2:00-3:00pm ET: Making the case for behavior change

March 2023

- Funders' roundtable

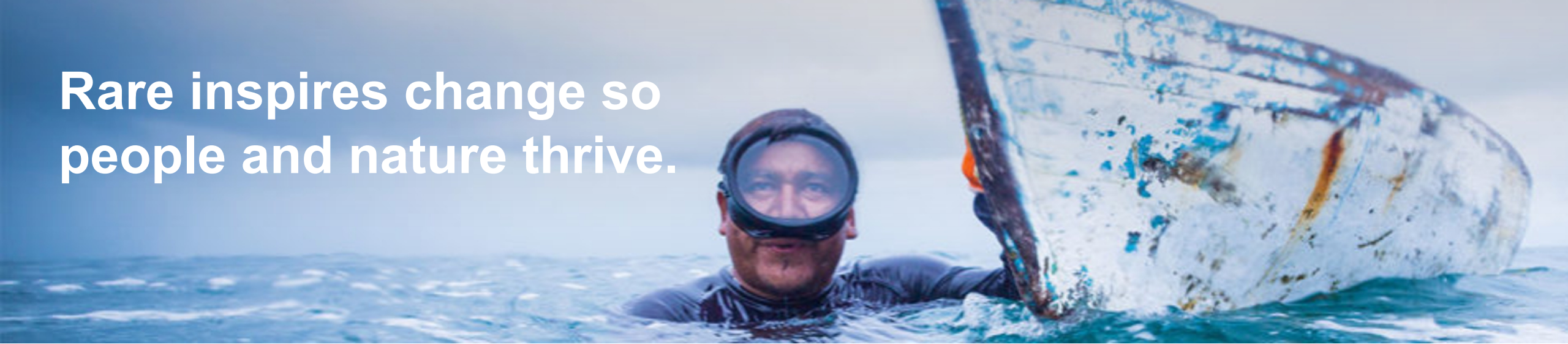
Training Objectives

- Understand the importance of incorporating behavior change into your theory of change
- Practice assembling a psycho-social theory of change
- Describe different types of indicators for measuring behavior change programs
- Connect with other funders about using behavior change principles in their climate programs

Agenda

1. Welcome and introduction
2. Evaluating behavior change
3. Program logic: Psycho-social theories of change
~Quick break~
4. Developing indicators
5. Tool spotlight: Evaluating behavior change programs
6. Closing

Rare inspires change so people and nature thrive.



Rare has run nearly **500** behavior change campaigns in more than **60** countries



Rare's behavior change campaigns, on average, increase adoption by **18** percentage points



Transform the environmental field by equipping environmentalists everywhere with **the science of human behavior**





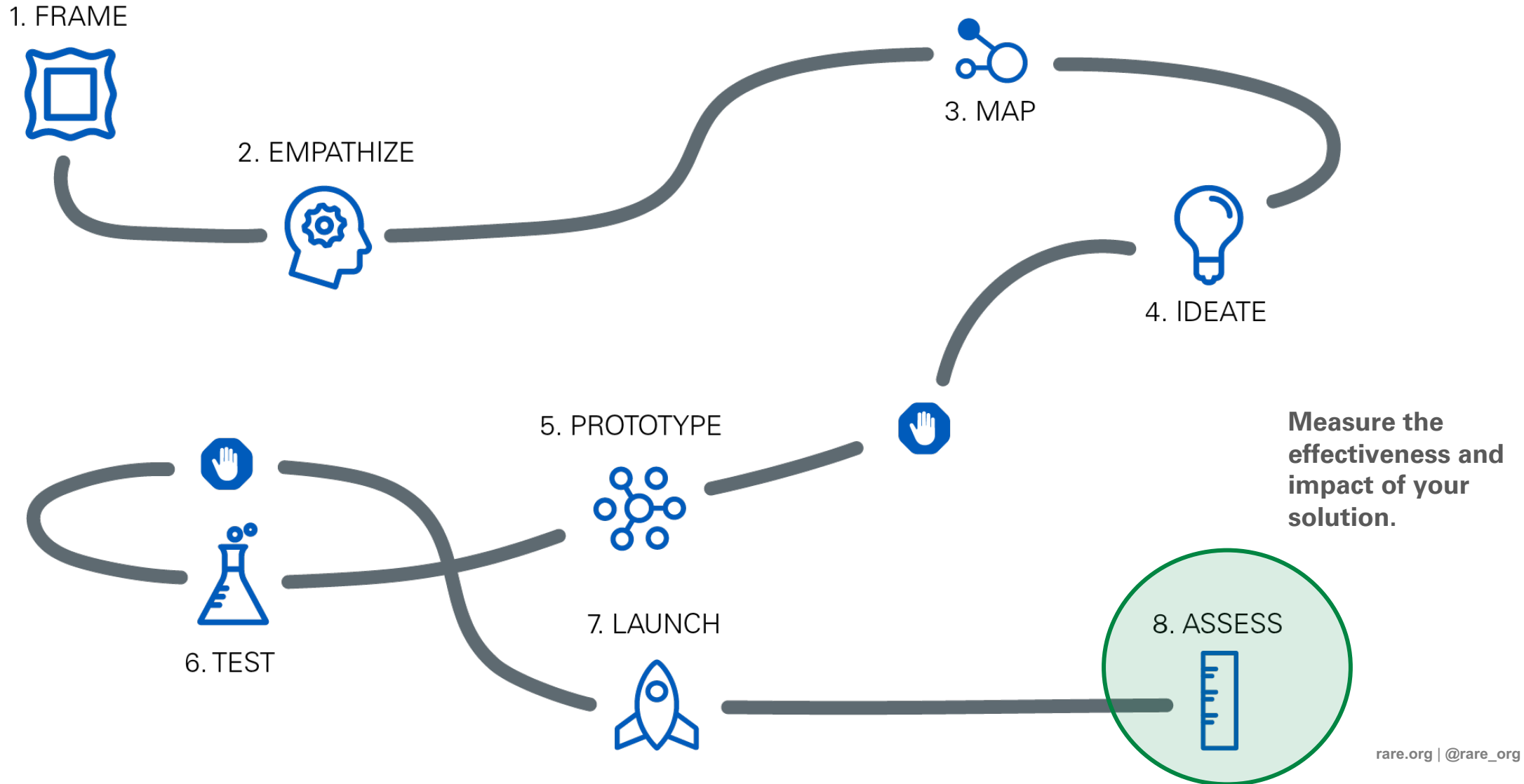
Today you would never find a conservation organization that doesn't have a deep bench around ecological or biological sciences, **but you really don't see the same thing when it comes to behavioral and social science.**"

– **Aileen Lee**, Chief Program Officer
The Gordon and Betty Moore Foundation



Evaluating behavior change

The Behavior-Centered Design Journey



Introduction to Assess

What? Measure the impact of your solution and monitor change over time.

How? Conducting post-intervention surveys and interviews, running experiments, identifying indicators, reflecting on and sharing what you learned

Key Principles:

- Reflect on what worked and didn't work
- Look for observable change in behavior due to your solution

DEI Considerations:

- Report all outcomes with diverse actors
- Monitor for long term and unintended effects

Components of Program Evaluation

- **Goals and objectives:** What are the outcomes you want to achieve?
- **Program logic:** What is your hypothesis or theory of change? How do you plan to achieve your objectives?
- **Indicators:** How do you know you achieved your objectives? What is the behavior you want to change? What beliefs, attitudes, social norms, or knowledge need to change?
- **Evaluation approach:** What is the measurement strategy (e.g., survey, experiment) you will use to show the change through your indicators?
- **Monitoring:** What is your process to monitor results and change over time?

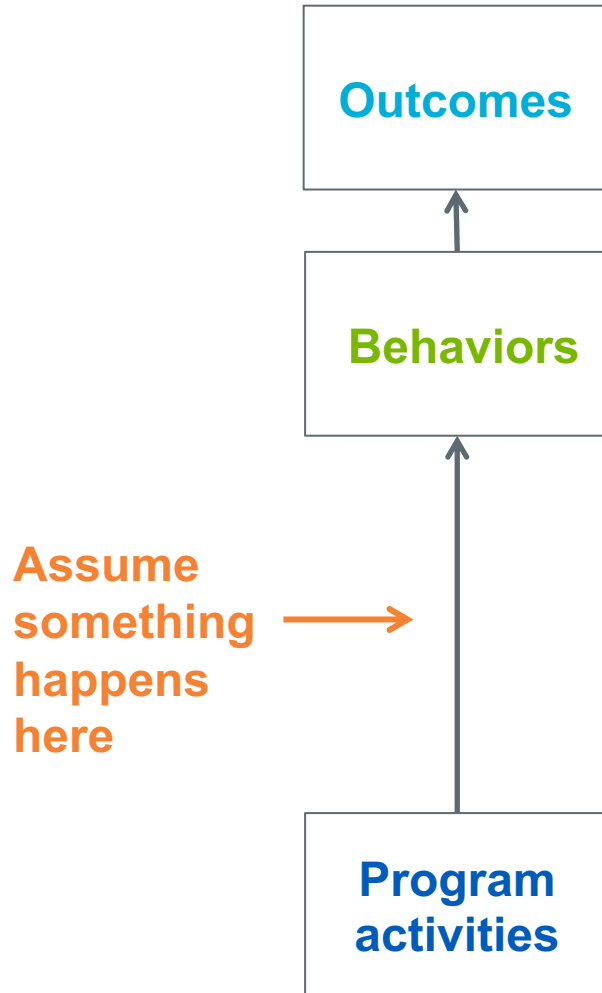
Components of Program Evaluation

- **Goals and objectives:** What are the outcome you want to achieve?

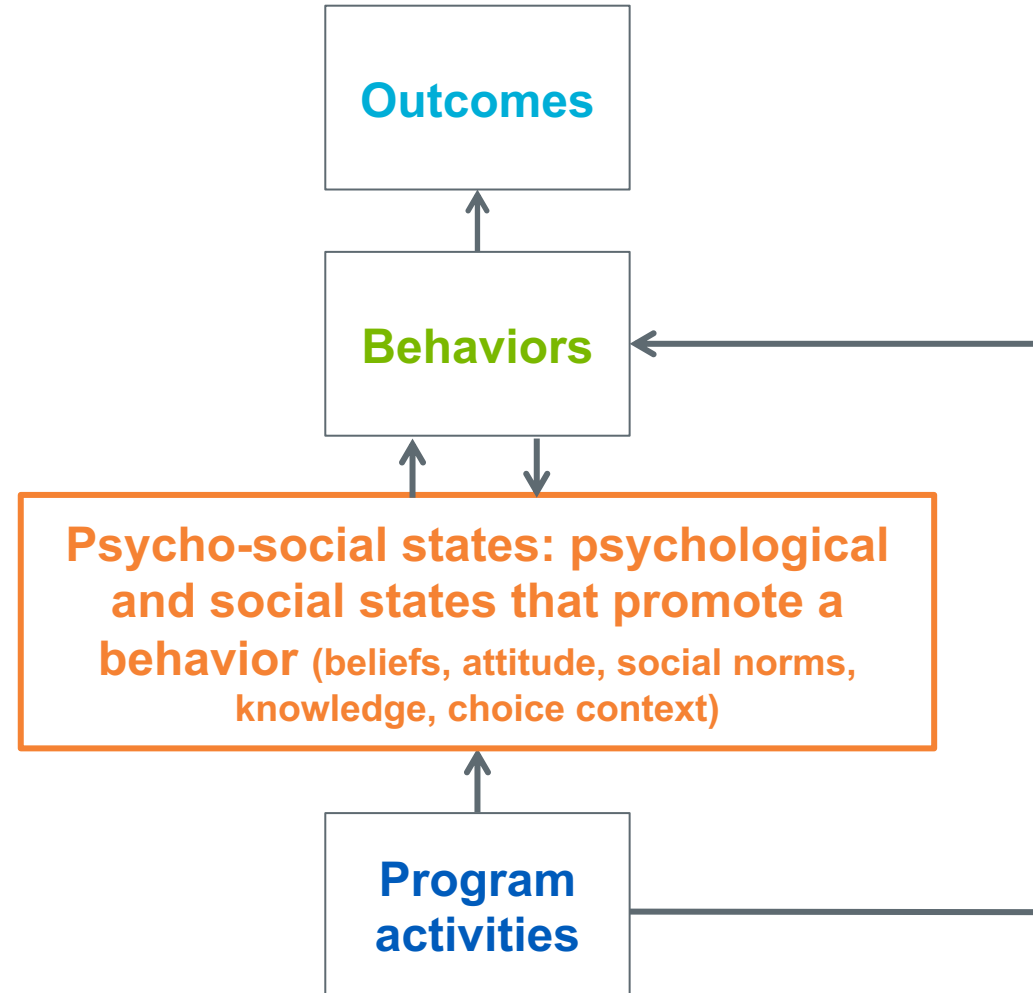
- ★ • **Program logic:** What is your hypothesis or theory of change? How do you plan to achieve your objectives?
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- **Evaluation approach:** What is the measurement strategy (e.g., survey, experiment) you will use to show the change through your indicators?
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Program Logic: Psycho-Social Theories of Change

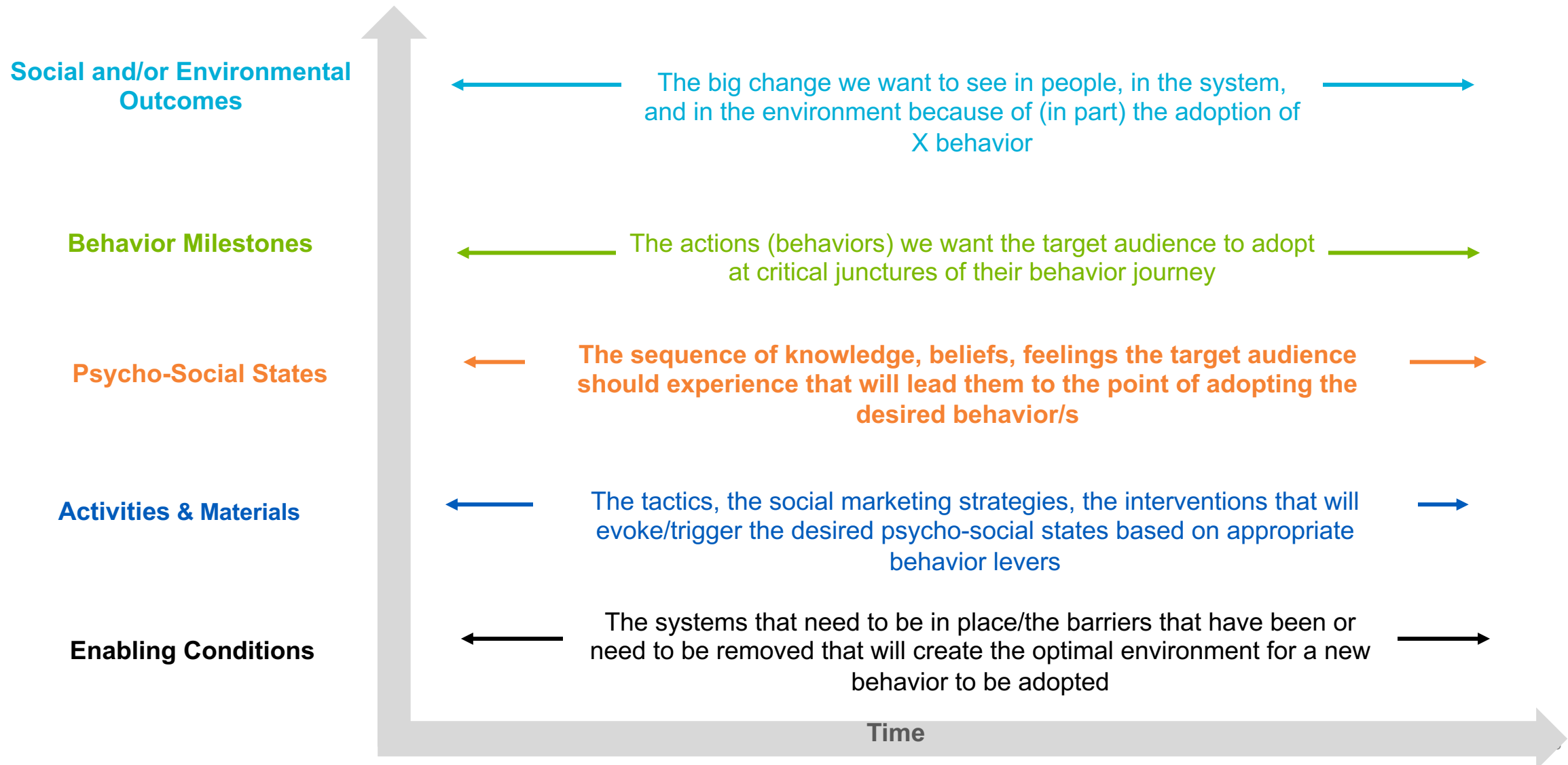
Typical Theory of Change



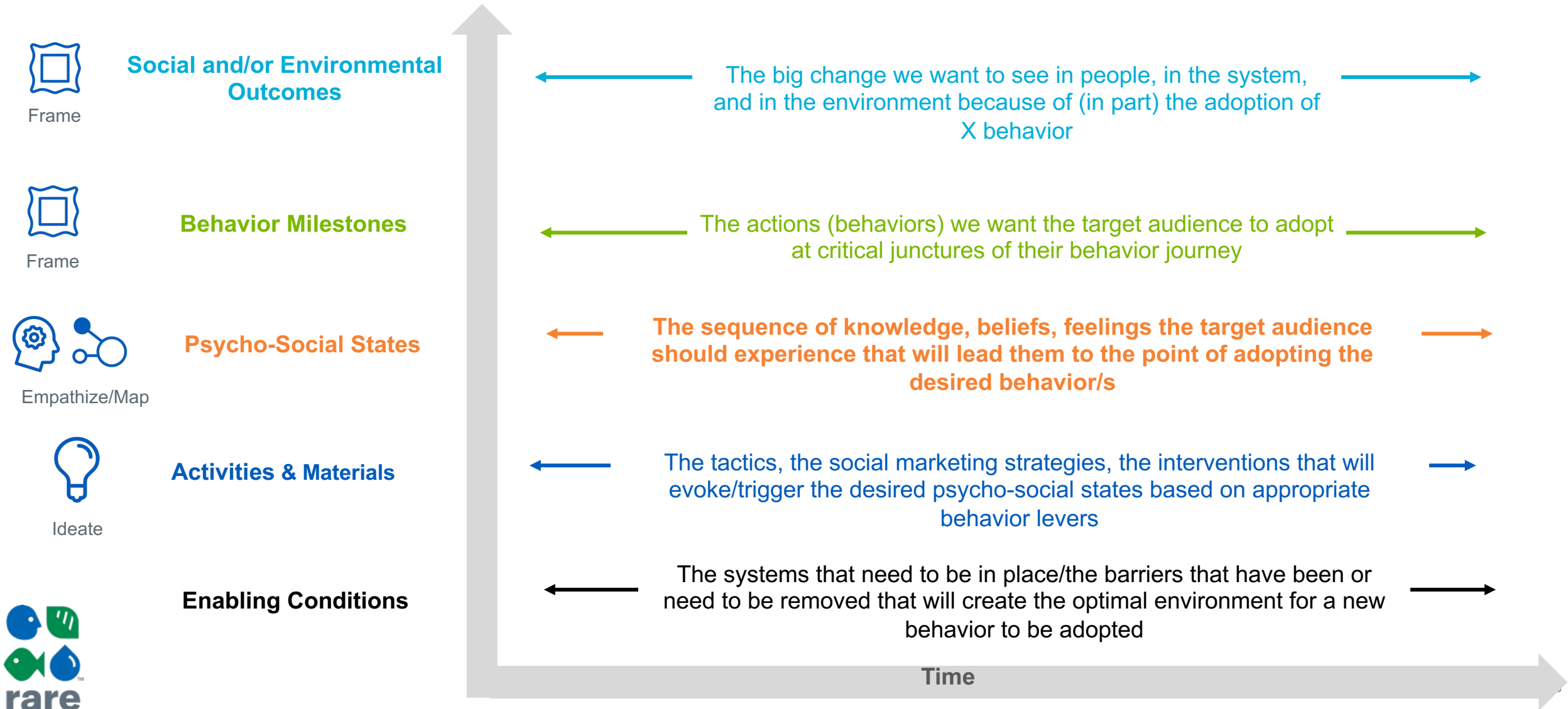
Psycho-Social Theory of Change



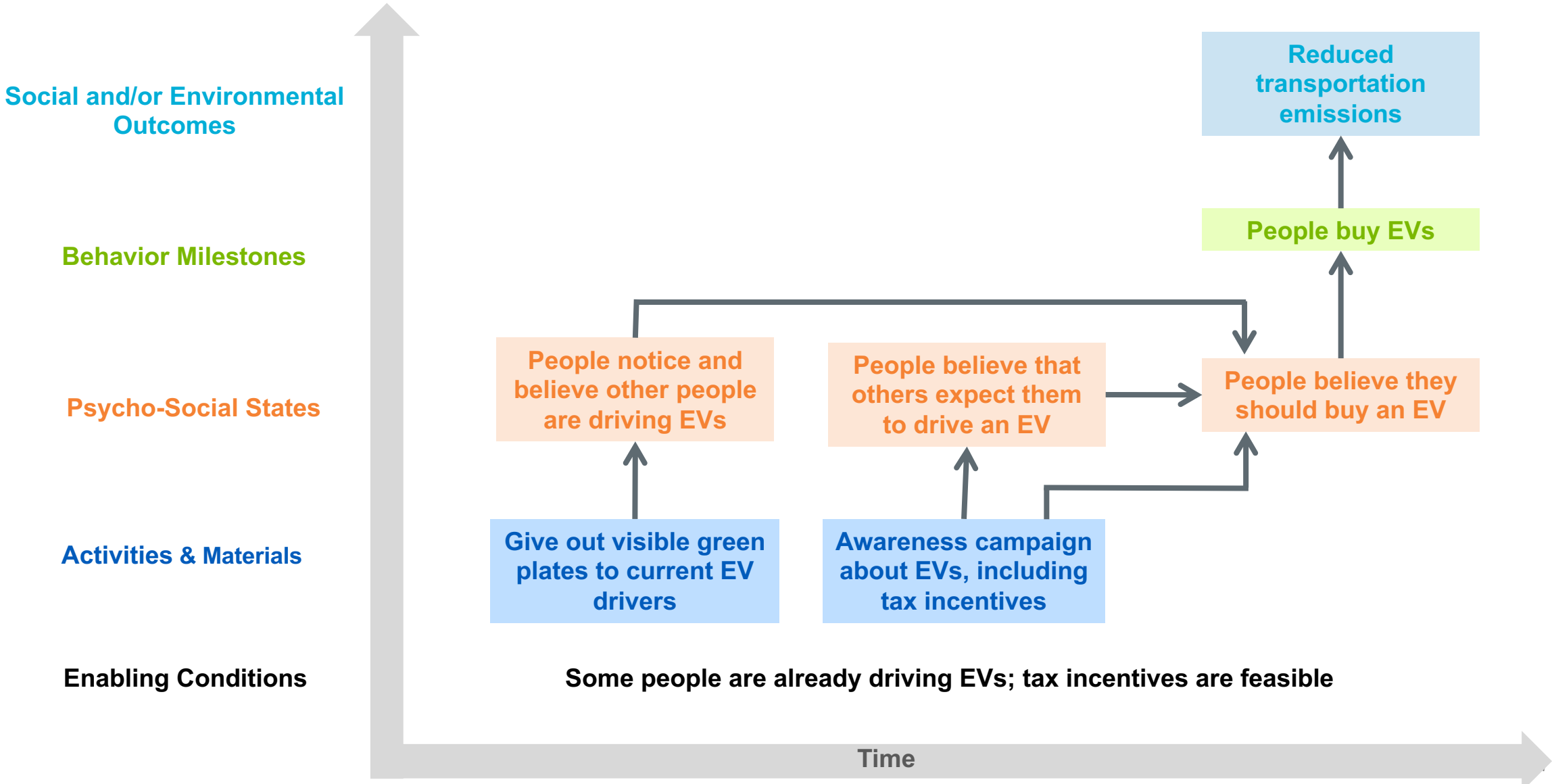
Theory of Change Structure



Theory of Change Structure



Theory of Change Example: Electric Vehicles (EVs)



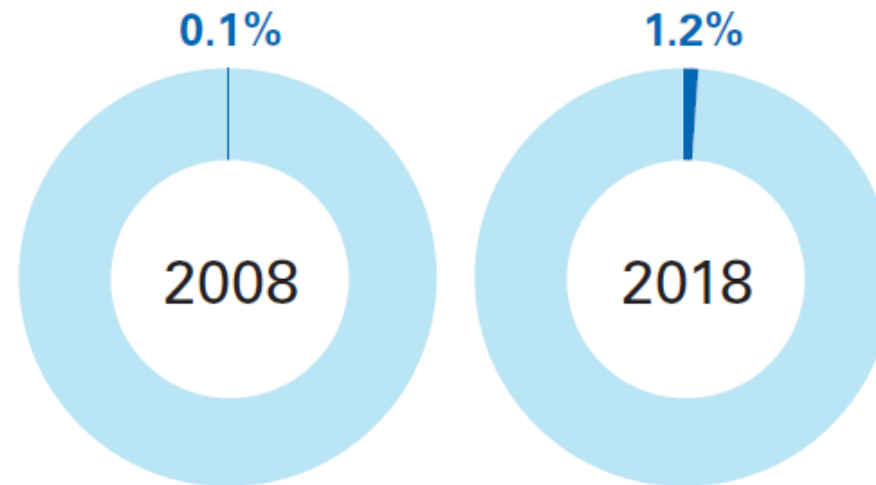
Case Study: Solar Adoption



Photo credit: Jason Houston for Rare

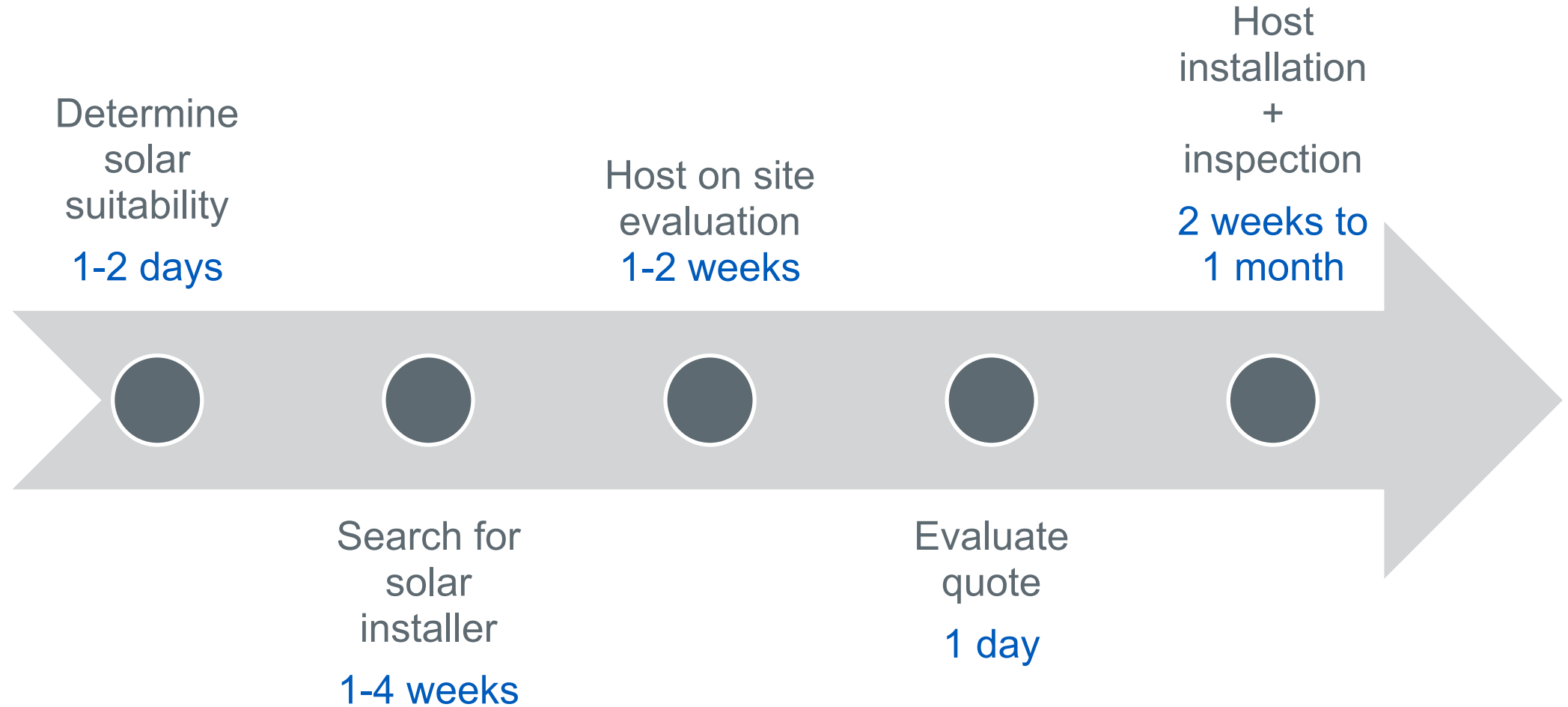
Case Study: Solar Adoption

- Most people know about the environmental benefits of solar
- And the cost of rooftop solar fell by more than 70% in the last decade
- But, the number of homes with solar remained largely unchanged
- Because most programs do not target relevant **psycho-social states**



**% of U.S. households
with solar panels**

Case Study: Solar Adoption



Activity: Build a PS-ToC for Solar Adoption

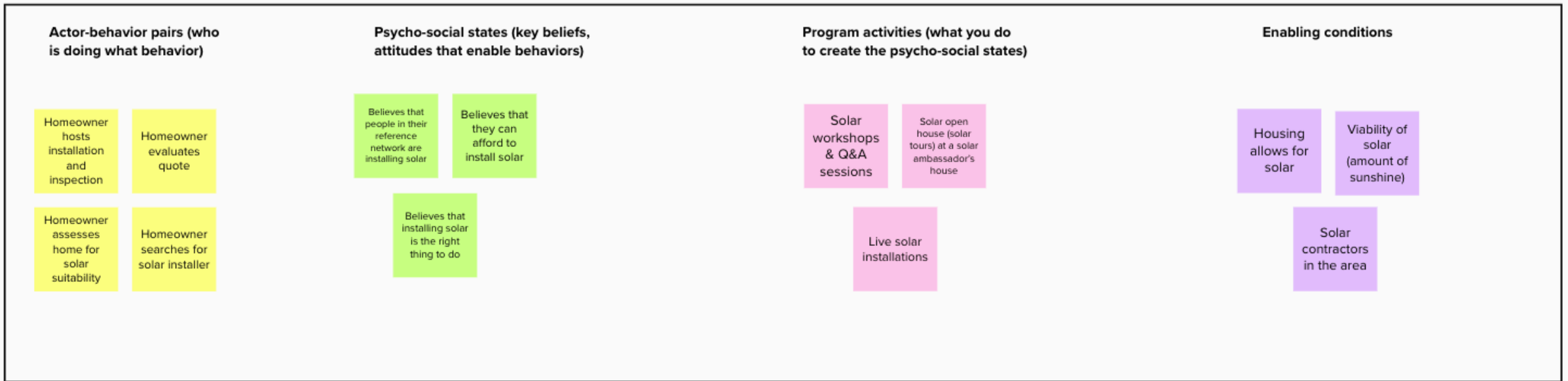
Steps:

- 1) Review our list of actor-behavior pairs, psycho-social states, activities, and enabling factors related to household solar adoption.
- 2) Determine the sequencing: what goes first, second, last? We put a few items in place to get you started.
- 3) Assemble your PS-ToC

Each group will have a Mural board to complete these steps.

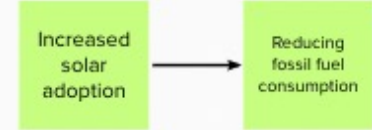
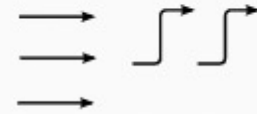
Program outcomes	Actor-behavior pairs	Psycho-social states	Program activities	Enabling conditions
<p>Increased solar adoption</p> <p>Reduced fossil fuel use</p> <p>Decreased energy costs for households</p>	<p>Homeowner searches for solar installer</p> <p>Homeowner evaluates quote from solar installer</p> <p>Homeowner hosts installation and inspection</p> <p>Homeowner assesses home for solar suitability</p>	<p>Believes that installing solar is the <i>right</i> thing to do</p> <p>Believes that people in their <i>reference network</i> are installing solar</p> <p>Believes that they can afford to install solar</p>	<p>Solar open house (solar tours) at a solar ambassador's house</p> <p>Live solar installations</p> <p>Solar workshops & Q&A sessions</p>	<p>Solar contractors in the area</p> <p>Viability of solar in geography</p> <p>Housing type allows for solar</p>

1 Review the following table of behaviors, psycho-social states (beliefs, attitudes, etc), and activities.



2 Determine the sequencing of the elements, and assemble your PS-ToC.

You can use these arrows to connect parts of your PS-ToC if you like.



Program outcomes

Actor-behavior pairs

Psycho-social states

Program activities

Enabling conditions

Time

BECC Webinar Activity: Building a Psycho-Social Theory of Change

Review and add to the following sets of information, psycho-social status (beliefs, attitudes, etc.), and activities.

TEAM 1

Activities and other actions taken to change what behaviors?	Psycho-social status (beliefs, attitudes, etc.) that underpins behaviors?	Program activities (what you do to create the psycho-social status)	Building conditions
Yellow sticky notes	Green sticky notes	Pink sticky notes	Purple sticky notes

Review and add to the following sets of information, psycho-social status (beliefs, attitudes, etc.), and activities.

TEAM 2

Activities and other actions taken to change what behaviors?	Psycho-social status (beliefs, attitudes, etc.) that underpins behaviors?	Program activities (what you do to create the psycho-social status)	Building conditions
Yellow sticky notes	Green sticky notes	Pink sticky notes	Purple sticky notes

Review and add to the following sets of information, psycho-social status (beliefs, attitudes, etc.), and activities.

TEAM 3

Activities and other actions taken to change what behaviors?	Psycho-social status (beliefs, attitudes, etc.) that underpins behaviors?	Program activities (what you do to create the psycho-social status)	Building conditions
Yellow sticky notes	Green sticky notes	Pink sticky notes	Purple sticky notes

Examine the sequencing of the elements, and assemble your PS-TOC.

Program outcomes	Timeline	Green sticky notes
Activities and other actions		
Psycho-social status		
Program activities		
Building conditions		

Examine the sequencing of the elements, and assemble your PS-TOC.

Program outcomes	Timeline	Green sticky notes
Activities and other actions		
Psycho-social status		
Program activities		
Building conditions		

Examine the sequencing of the elements, and assemble your PS-TOC.

Program outcomes	Timeline	Green sticky notes
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Program activities		
Building conditions		

Navigation Settings

Match your team # on the Mural to your room # on Zoom! You may need to scroll to find it.

You can zoom in on your team's area in the bottom right of the Mural window.

Break outs: Build a PS-ToC for Solar Adoption

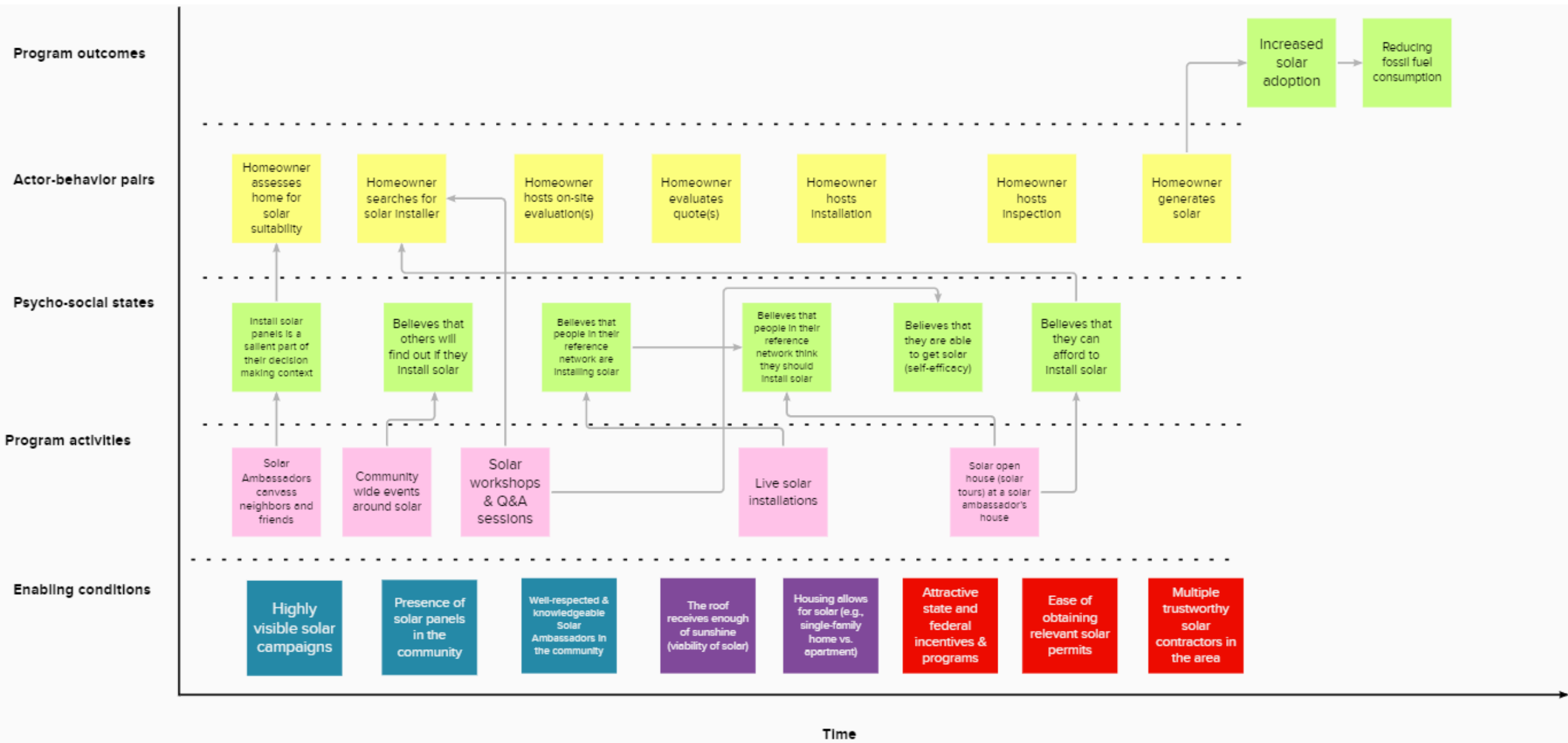
Steps:

- 1) Review our list of actor-behavior pairs, psycho-social states, activities, and enabling factors related to household solar adoption.
- 2) Determine the sequencing: what goes first, second, last? We put a few items in place to get you started.
- 3) Assemble your PS-ToC

Each group will have a Mural board to complete these steps.



Report out



Movement Break



Developing indicators

Developing Indicators

Types of indicators:

- Behavioral: What is the observable behavior change?
- Social: What social structures, patterns or context can we measure?
- Psychological: What changes in beliefs can we measure?
- Environmental: What environmental changes can we measure?

Ways to measure them:

- Direct: Seeing the behavior in action
- Proxy: Seeing something that represents the behavior
- Self-report: Learning about the behavior from core actors

Developing Indicators: Examples

Behavioral:

Example: # of people who bought an EV

Measured by: # of EV purchases from car dealerships

Psychological:

Example: % of people who believe that others expect them to buy an EV

Measured by: SMS survey sent to sample of city residents

Social:

Example: % people talking about EVs

Measured by: # events on EVs in the city

Environmental:

Example: Tons of carbon emissions reduced

Measured by: Ratio estimate of gasoline-powered cars vs. EV cars on the road

Check Your Understanding: Indicators

Which of the following could be a good **psychological** indicator for the behavior of using less water? Select all that apply.

- A) Amount of people who know how much water their household uses
- B) Amount of water used each month
- C) Amount of people who believe that water reduction is important
- D) Amount of water available in local aquifer or reservoir

Check Your Understanding: Indicators

Which of the following could be a good **psychological** indicator for the behavior of using less water? Select all that apply.

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Check Your Understanding: Indicators

Which of the following could be a good **environmental** indicator for the behavior of using less water? Select all that apply.

- A) Amount of people who know how much water their household uses
- B) Amount of water used each month
- C) Amount of people who believe that water reduction is important
- D) Amount of water available in local aquifer or reservoir

Check Your Understanding: Indicators

Which of the following could be a good **environmental** indicator for the behavior of using less water? Select all that apply.

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Check Your Understanding: Indicators

Which of the following could be a good **behavioral** indicator for the behavior of using less water? Select all that apply.

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Breakout Activity: Developing Indicators

In your group you will work together to:

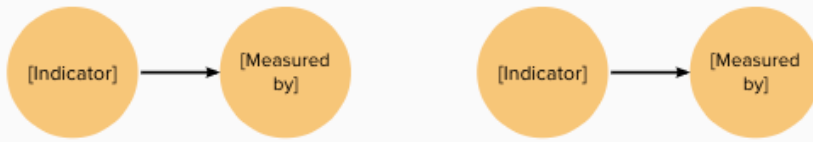
- 1) Review the psycho-social theory of change you developed
- 2) Identify behavioral, psychological, and environmental indicators and ways to measure them.

Use the same Mural board you used before.

Mural page

3 Brainstorm a few indicators for the elements you added to your PS-ToC.

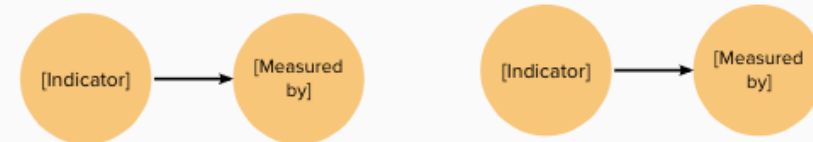
Behavioral: What is the observable behavior change?



Psychological: What changes in beliefs or attitudes can we measure?



Environmental: What environmental changes can we measure?



Report out

Tool Spotlight: Evaluating Behavior Change Programs

Tool Spotlight



Behavior Change Program Audit Tool

Welcome! This tool is designed to help you evaluate behavior change programs and know what next steps to take or recommend.

Instructions:

1. Choose a behavior change program you want to evaluate.
2. Fill out the assessment while you review the program by selecting 'Yes' or 'No or Not Sure' for each question.
3. Read any recommended actions for each. You will have the option to save a summary of your results at the end of the assessment.

Click 'Start' to begin.

You may save your progress and return later.

Save

Start

Has the organization identified a specific geographic region for impact?

- Yes
 No or Not Sure

Examples: A rural village in Zambia, a company's office in a major city

Great!

Has the organization defined a clear and specific target behavior they want to change?

- Yes
 No or Not Sure

Examples: This should be an action, not a belief or attitude or something they know, such as eat less meat, plant trees, or use less water.

Ask the program leader about the behavior they hope to change.

If the behavior is not specific enough or is vague (e.g., get engaged): Ask the program leader to define what that means and what actions people would take.

If the behavior is framed as a belief, attitude, or something people know (e.g., get people to care more about climate change, know about renewable energy): Ask the program leader to reframe their answers in terms of actions – what people need to do. What actions people could take to show they care? What will people do once they know about renewable energy?

Explore our [Problem-Behavior-Actor tool](#) for more guidance and examples.

Closing & Next Steps

Key Points to Remember

A psycho-social theory of change helps us:

- 1) Design a more targeted program, with activities that address our actors' motivations and barriers.
- 2) Track the key indicators that signal behavior change.
- 3) Test and validate assumptions in program logic.

Ideas for Next Steps

- Test our new program evaluation tool and provide feedback
- Ask your grantees to consider psychological and social states in their theories of change
- Ask your grantees to define indicators for their behavior change work
- What other ideas come to mind?

Behavior change & climate philanthropy series

December 8

- 2:00-3:00pm ET: Making the case for behavior change

March 2023

- Funders' roundtable

Behavior Change for the Environment Starts Here



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