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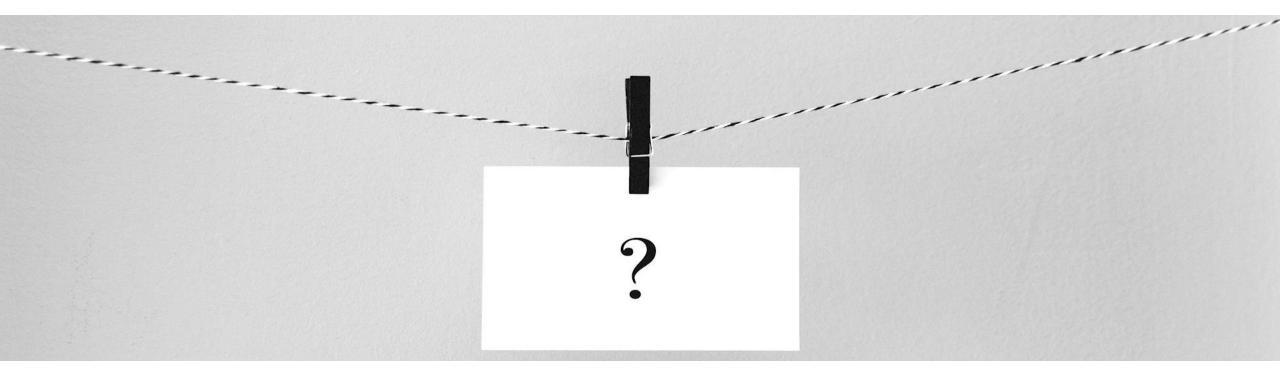


# EVALUATION FOR INNOVATION: SHIFTING OUR EVALUATION PARADIGM TO SECURE OUR FUTURE

EILEEN HANNIGAN Principal eileen@illumeadvising.com

August 2019







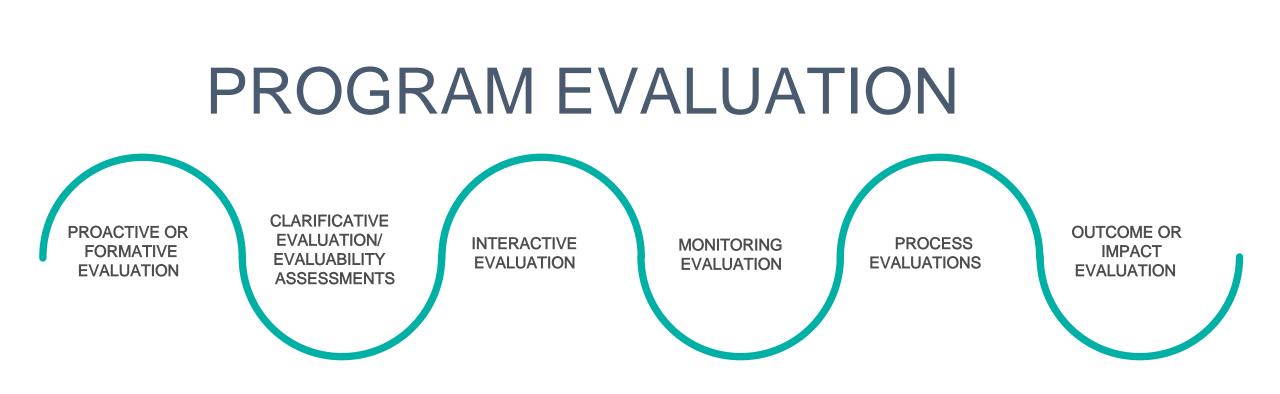




# **PILOT PITFALLS**



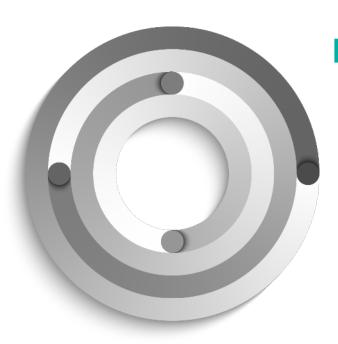




# RESEACH METHODS EVALUATION METHODS

EXPLORATORY RESEARCH

> PROGRAM PILOTS



PROTOTYPING

FIELD TESTS



# EXPLORATORY RESEARCH

### Approaches

Literature reviews In-depth interviews Ethnography Exploratory data analysis

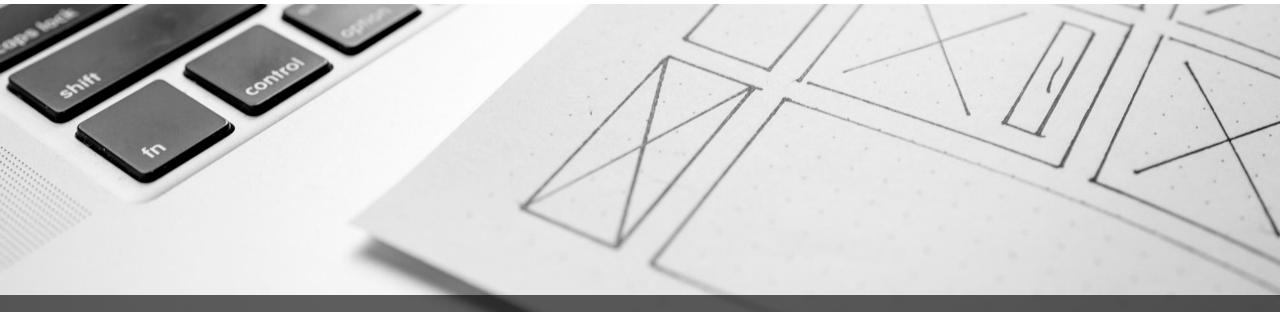


Answers

Who, where, when, how, why

#### Does not answer

How much

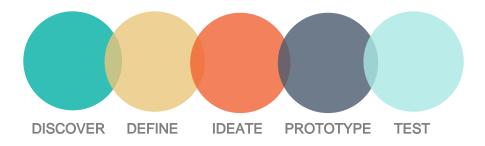


## RAPID PROTOTYPING

# RAPID PROTYPING

### **Key Features**

Component of Design Thinking Anything customer can interact with Iterative process



#### Answers

What do customers need?

How to best meet the need?

How customers interact with solution?

#### Does not answer

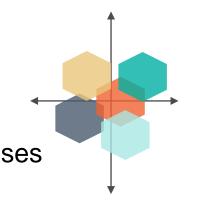
"How much" or estimate market sizes

Prototype, Review, Refine, Iterate: Fail quickly and cheaply



# FIELD TESTS

# Key Components Small sample size Shorter time frame Gather feedback on all phases **Recruit** "friendlies"



#### Answers:

Can customers install? How does equipment function? Are vendors qualified and reliable? What is the user experience?

## Usually does not:

Forecast savings to the general population Generalize results to the population

Small scale, but test everything = Risk Management



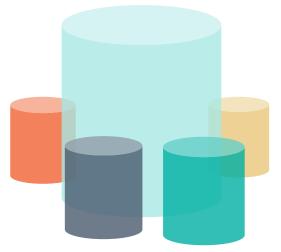
# PROGRAM PILOTS

## **Key Components**

Recruit from target population

Ecological validity

Experimental and quasi -experimental designs



#### Answers:

Is this program scalable? What are the costs of delivery? What are the expected installation rates? What energy savings do we expect? What non -energy impacts do we expect? How does the program affect satisfaction?

## Not well -suited to identify :

Customer needs How to meet needs Viability of new approaches

Mini versions of full programs

# CONCLUSIONS

#### BENEFITS OF BROADENING RESEARCH AND EVALUATION APPROACHES

Flexibility

# Costs

Risk-management

Future Evaluability

# CONTACT

We'd love to hear from you!

EILEEN HANNIGAN Principal

eileen@illumeadvising.com