

# Introduction to the *Framework*

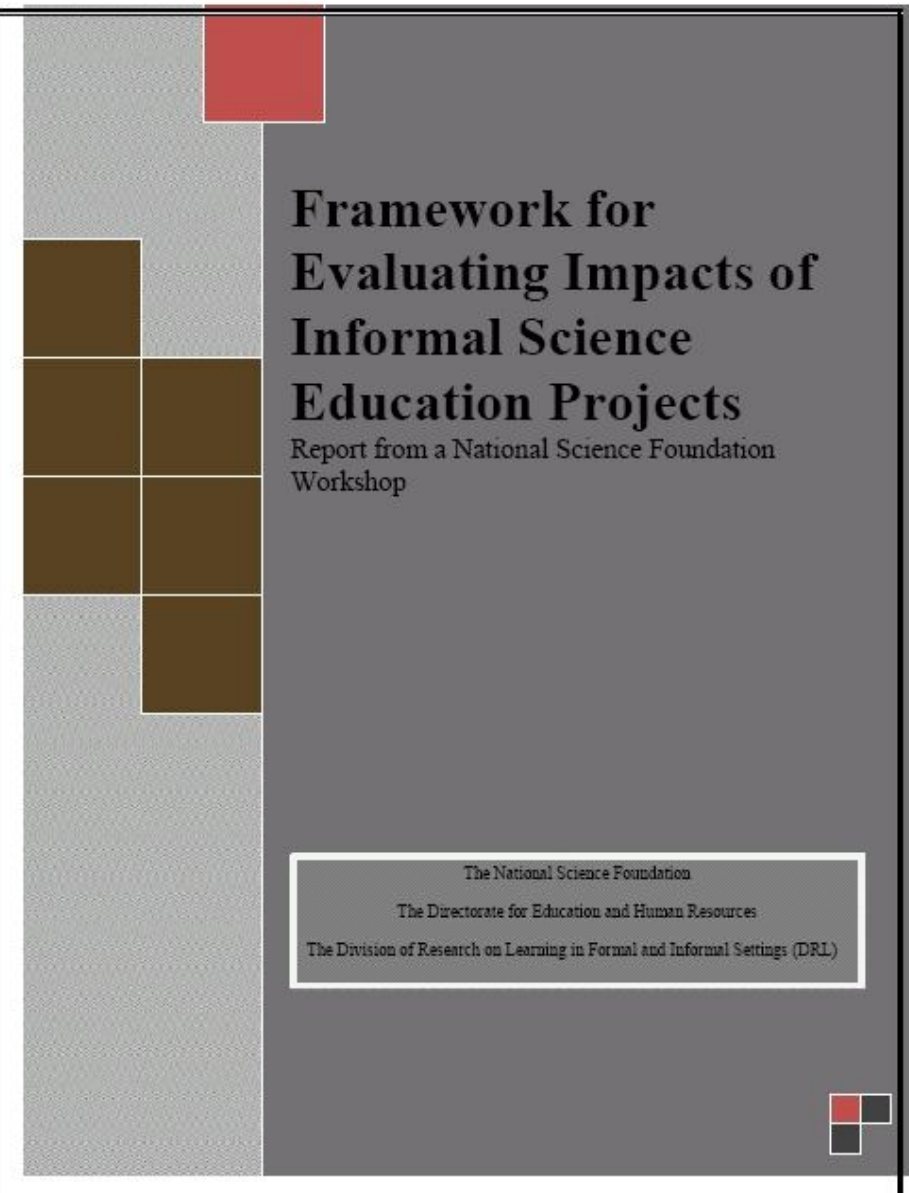
Alan J. Friedman, Consultant  
CAISE Co-PI  
for the Visitor Studies Association

[AlanFriedman@verizon.net](mailto:AlanFriedman@verizon.net)



Project  
Monitoring  
System

&



**Framework for  
Evaluating Impacts of  
Informal Science  
Education Projects**

Report from a National Science Foundation  
Workshop

The National Science Foundation  
The Directorate for Education and Human Resources  
The Division of Research on Learning in Formal and Informal Settings (DRL)



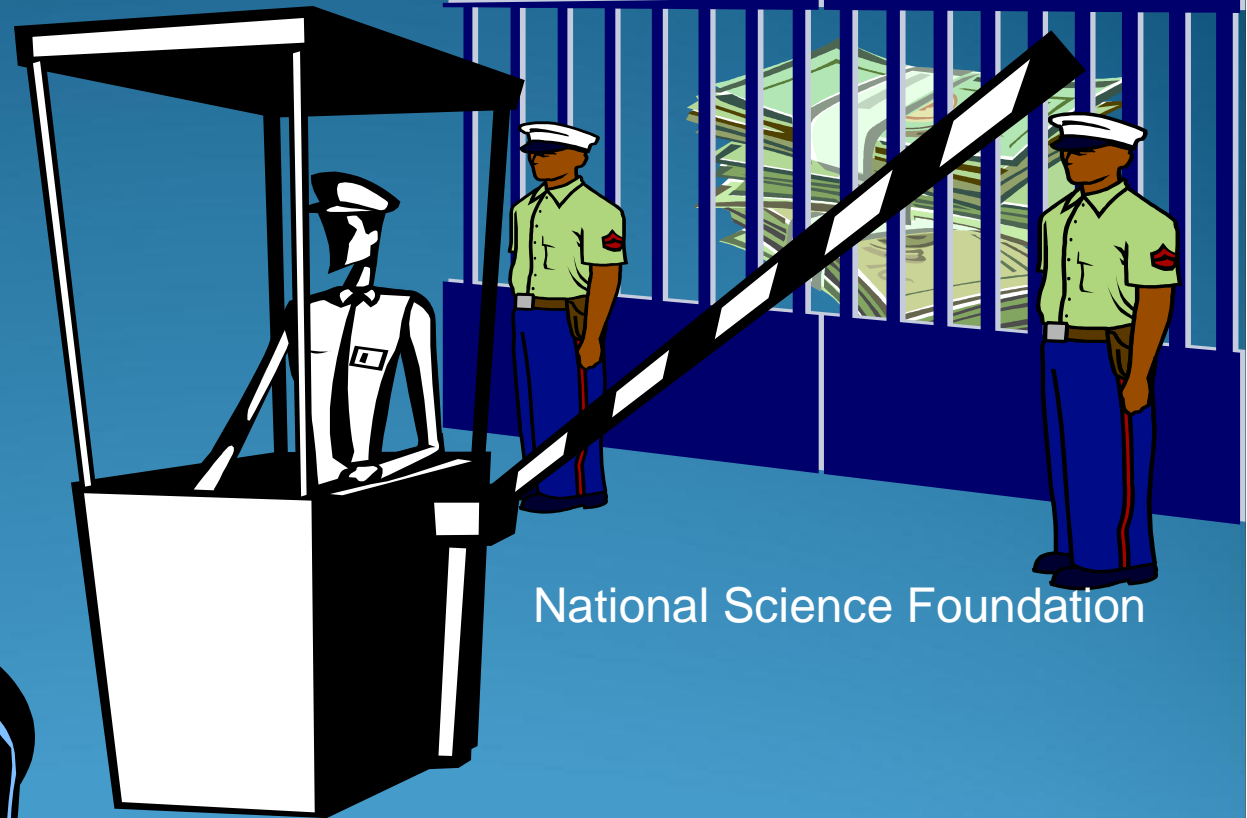
# Theory of Action (or Logic Model)

The following slide does not necessarily reflect the views of, and was not funded by, CAISE, NSF, VSA, AARP, NASCAR, USDA, BBB, NBA, URL, .....

Resources



Us



National Science Foundation

Project Monitoring  
System & Frameworks

**Table 3-2. Work Sheet for Developing Intended Impacts, Indicators & Evidence**

ISE Category of Impact	Potential indicators	Evidence that impact was attained
<i>Awareness, knowledge or understanding of STEM concepts, processes or careers</i>		
<i>Engagement or interest in STEM concepts, processes, or careers</i>		
<i>Attitude towards STEM-related topics or capabilities</i>		
<i>Behavior resulting from experience</i>		
<i>Skills based on experience</i>		
<i>Other (describe)</i>		

# Theory of Action (or Logic Model)

The following slide does not necessarily reflect the views of, and was not funded by, CAISE, NSF, VSA, AARP, NASCAR, USDA, BBB, NBA, URL.....

Resources available with the  
Project Monitoring System &  
*Frameworks*

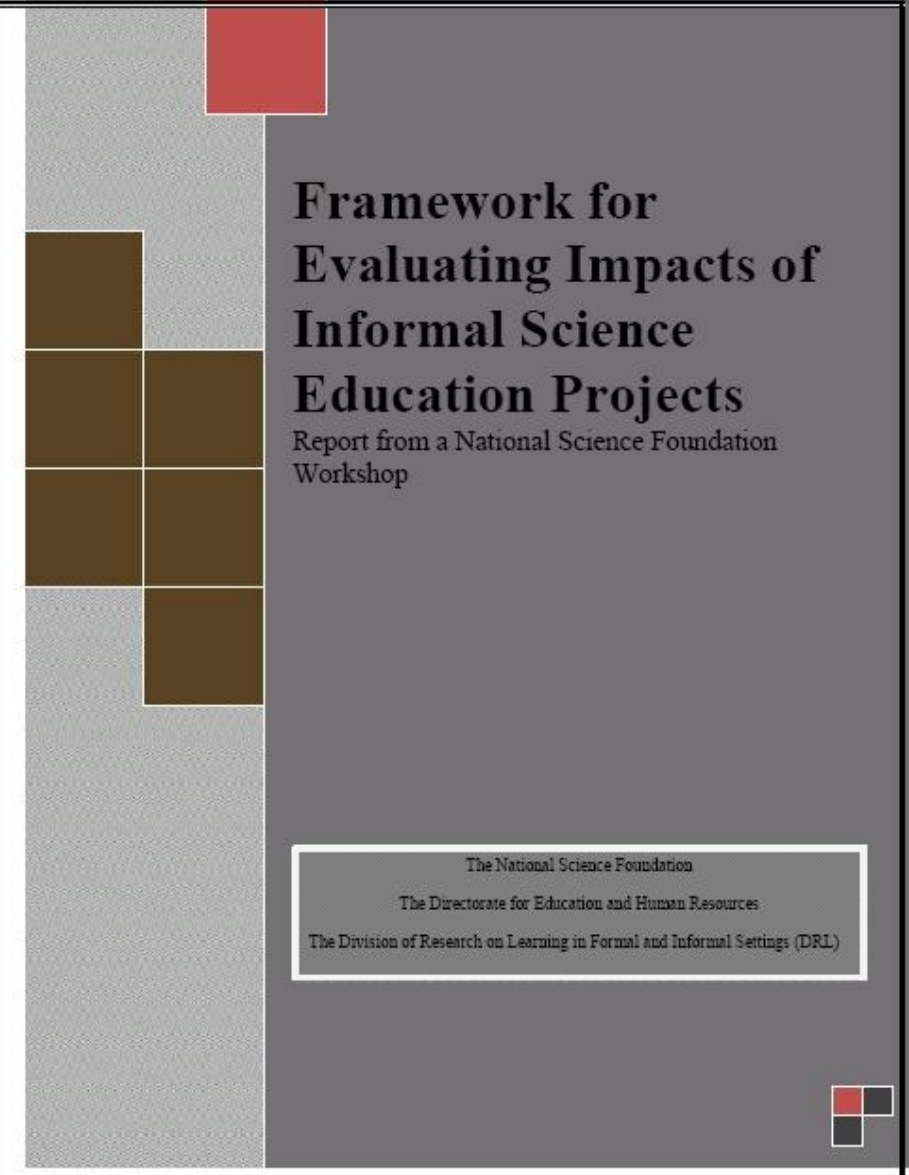


Us



National Science  
Foundation





**Framework for  
Evaluating Impacts of  
Informal Science  
Education Projects**

Report from a National Science Foundation  
Workshop

The National Science Foundation  
The Directorate for Education and Human Resources  
The Division of Research on Learning in Formal and Informal Settings (DRL)

**Editor:**

**Alan J. Friedman**

**Authors:**

**Sue Allen**

**Patricia B. Campbell**

**Lynn D. Dierking**

**Barbara N. Flagg**

**Alan J. Friedman**

**Cecilia Garibay**

**Randi Korn**

**Gary Silverstein**

**David A. Ucko**

**Wrangler:**

**Al DeSena**

[http://inisci.org/docs/Eval\\_Framework.pdf](http://inisci.org/docs/Eval_Framework.pdf)



# *FRAMEWORK*

## **PART I: GENERALLY USEFUL INFORMATION**

- 1. Evaluating Impacts of NSF Informal Science Education Projects .....David C. Ucko**
- 2. Introduction to the Framework.....Alan J. Friedman**
- 3. Evidence and Categories of ISE Impacts.....Lynn D. Dierking**
- 4. Tools, Tips, and Common Issues in Evaluation.....**  
**.....Randi Korn, Sue Allen, Gary Silverstein**

## *FRAMEWORK*

### **PART II: IMPACT EVALUATION FOR VARIOUS SECTORS OF INFORMAL SCIENCE EDUCATION**

- 5. Evaluating Exhibitions.....Sue Allen**
- 6. Evaluating Mass Media.....Barbara Flagg**
- 7. Evaluating Youth and Community Programs.....Patricia B. Campbell**
- 8. Evaluating Learning Technologies.....Barbara Flagg**
- 9. Evaluating Collaborations.....Randi Korn**
- 10. Evaluating Projects that Combine Different Types of Deliverables.....Cecilia Garibay**