

Warm-Up Brainstorm!

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What makes a good summative evaluation?

Write your ideas on the stickies at your table!

ENHANCING EVALUATION OF INFORMAL SCIENCE EDUCATION: A FRAMEWORK FOR QUALITY

ROUNDTABLE SESSION, VSA CONFERENCE

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Overview

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- *Warm-up brainstorm*
- Project background & methods
- Framework and potential applications
- *Framework discussion*
- Potential stakeholders
- *Lightning design workshop*

Project Background

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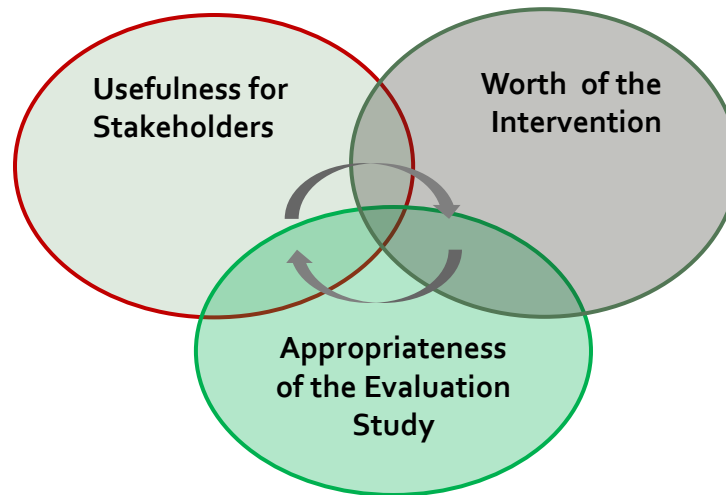
- Goal: Enhance ISE evaluation capacities and practices
- Approach:
 - Create a (conceptual and practical) framework for summative evaluation
 - Prototype innovative (performance) measures and other evaluation tools

Project Methods

- Construct user profiles
- Conduct informal interviews
- Review, analyze, and/or synthesize:
 - ▣ Evaluation reports
 - ▣ Journal articles and research papers
 - ▣ Professional standards
 - ▣ Books and evaluation frameworks
 - ▣ Websites
- Conduct case studies and stand-alone interviews
- Share our work (here we are!)

Evaluation Framework

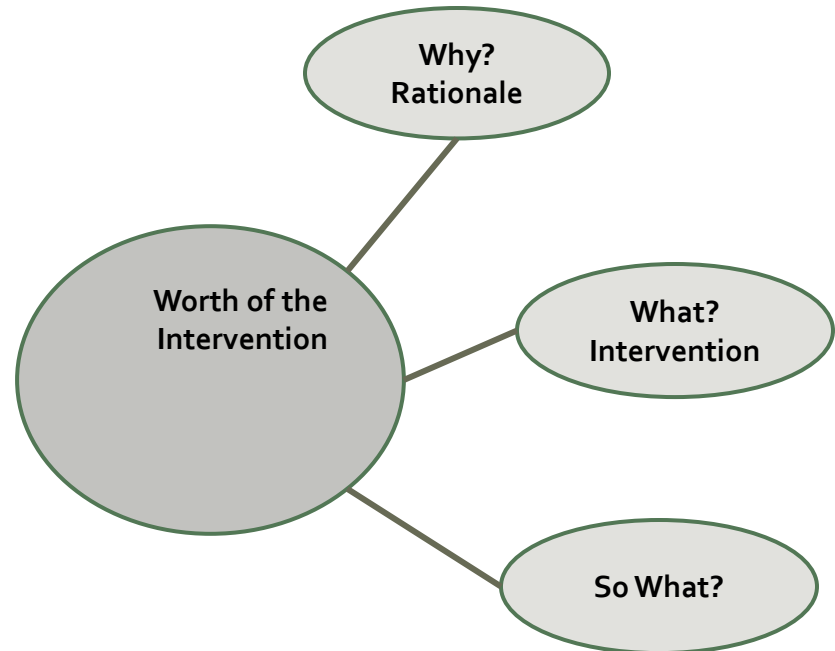
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Evaluation Framework: Worth of the Intervention

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“Should it have been done; was it a worthwhile thing to do when compared to alternatives addressing the same goal(s)?”

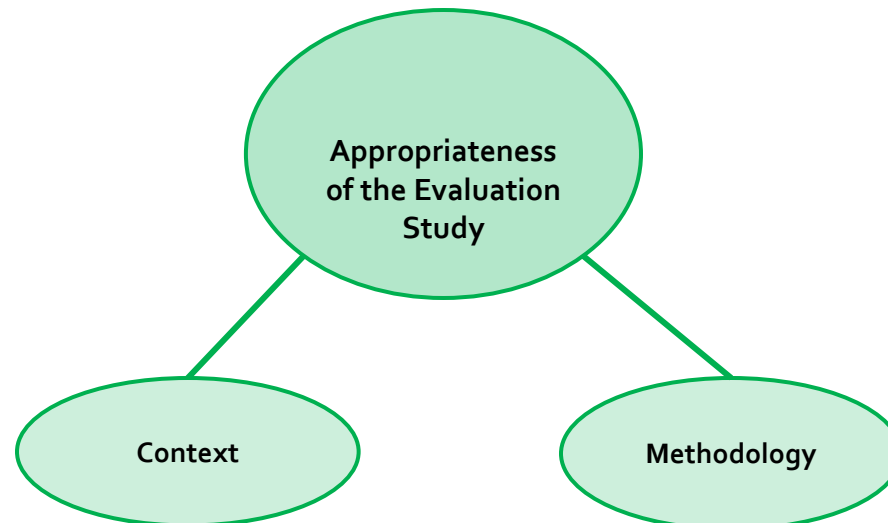


Evaluation Framework: Appropriateness of the Evaluation Study

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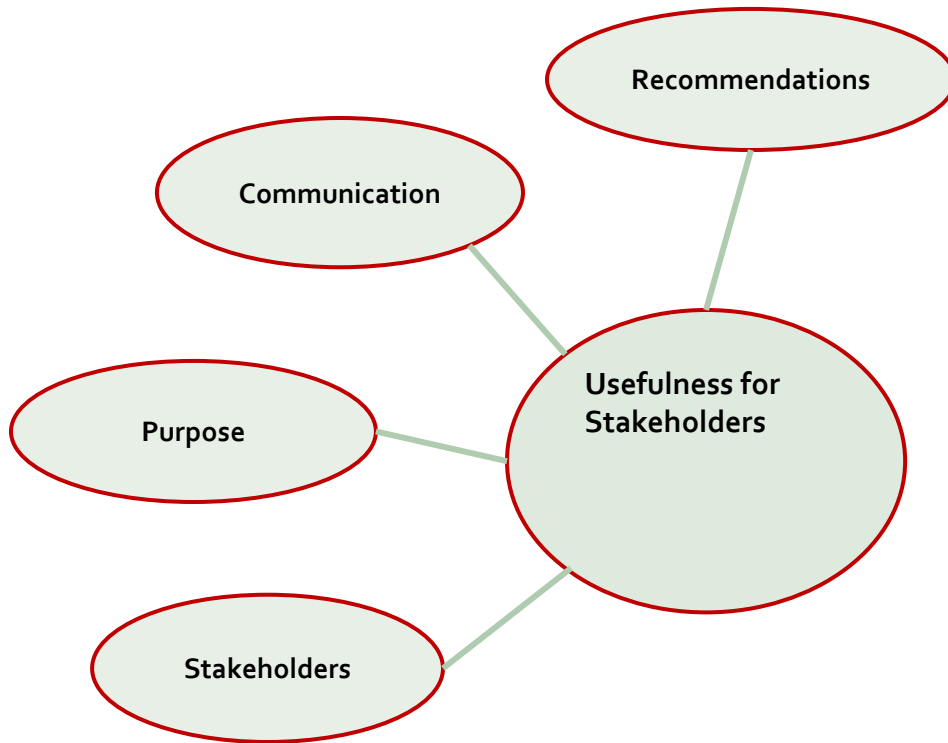
“Are the evaluation questions, design, methods, and interpretations linked, justified, and justifiable given the particularities of the informal context?”

(while remaining open to unanticipated findings)



Evaluation Framework: Usefulness for Stakeholders

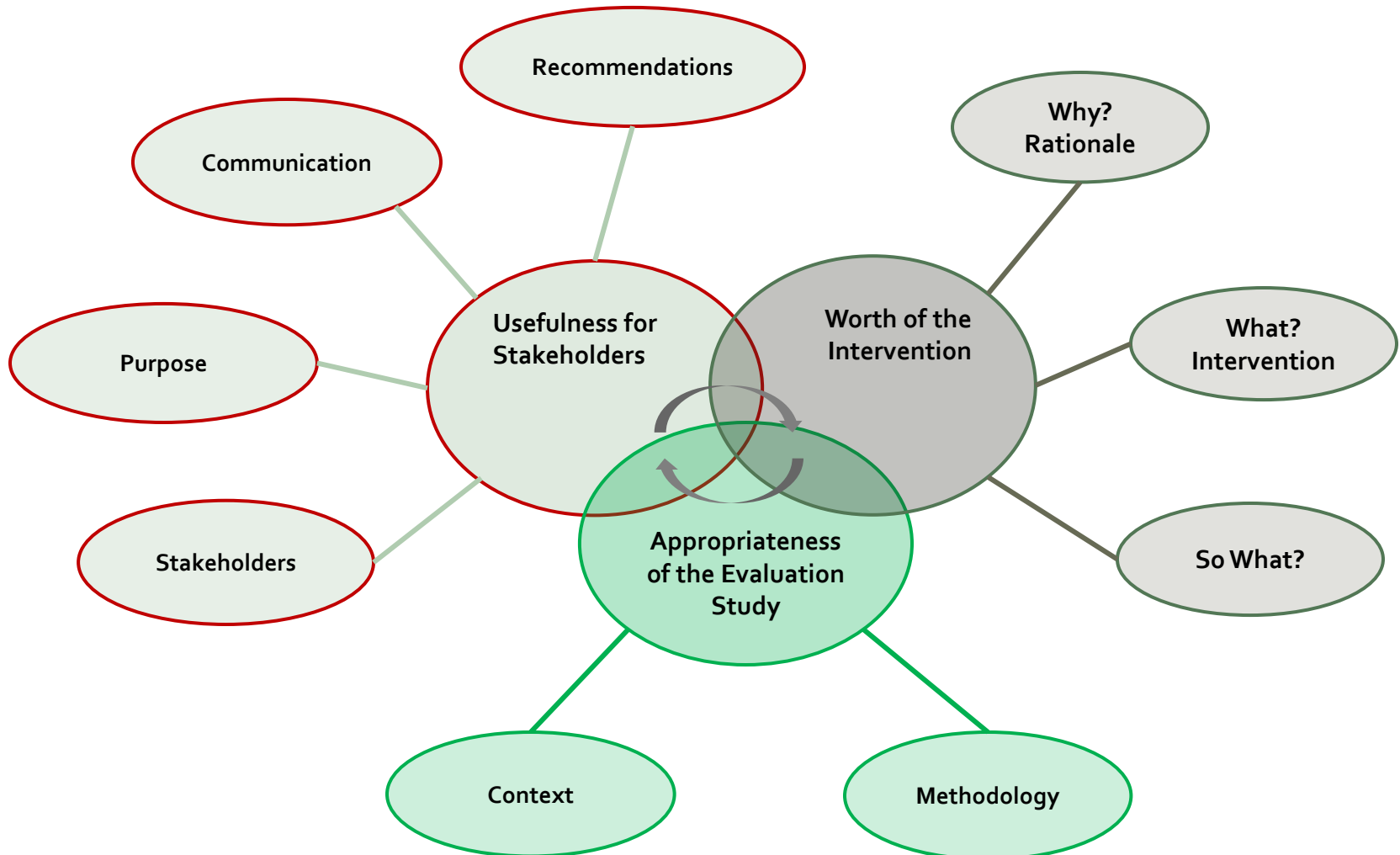
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“Are the evaluation findings clearly communicated; are they relevant for users by, for example, directly addressing their needs and questions, informing decisions to be made, or growing knowledge of the ISE field?”

Evaluation Framework

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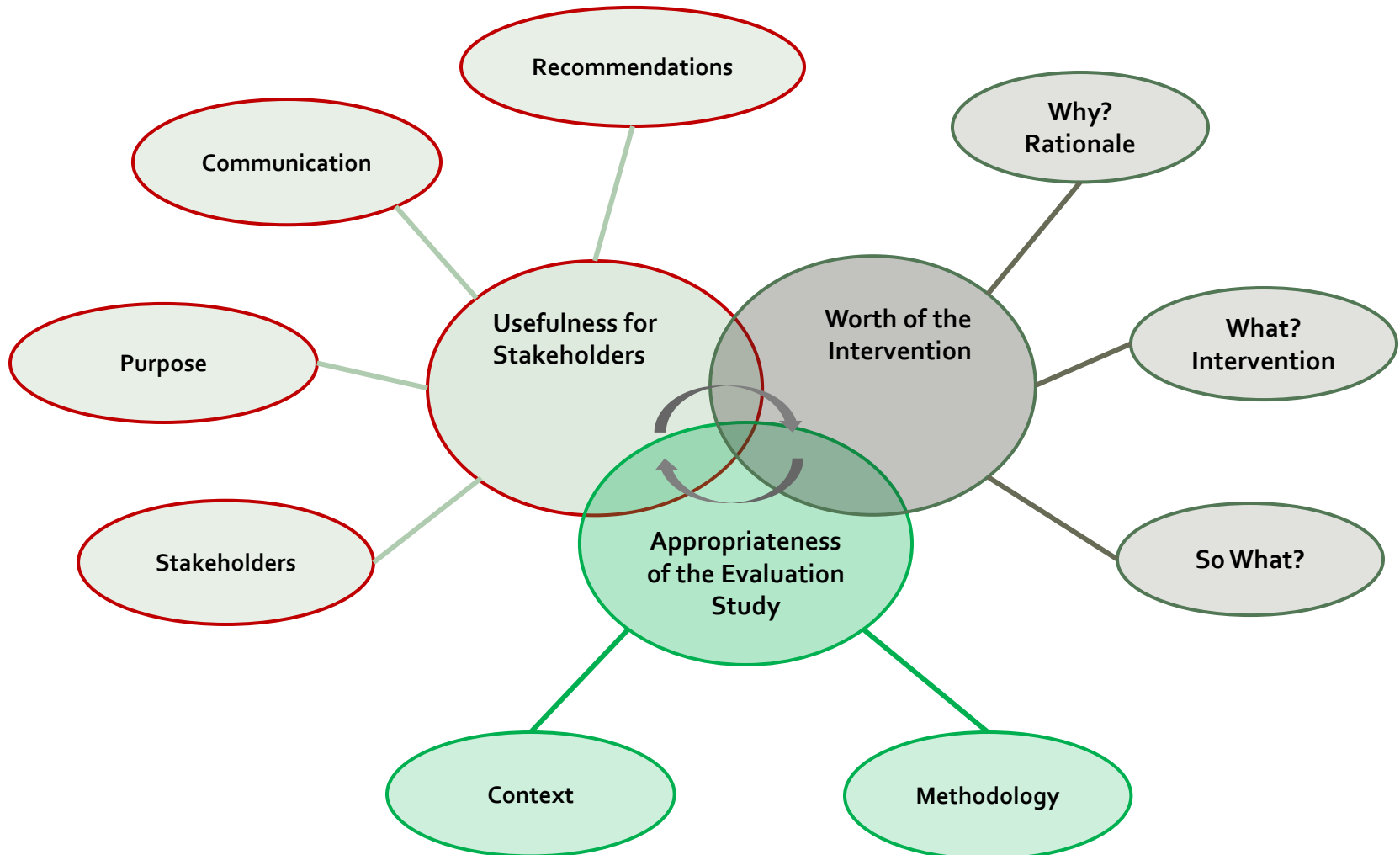
Group Discussion

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- What resonates?
- What is missing?
- What are potential applications?
- What are limitations?
- Where do your 'stickies' fit (or not)?

Evaluation Framework

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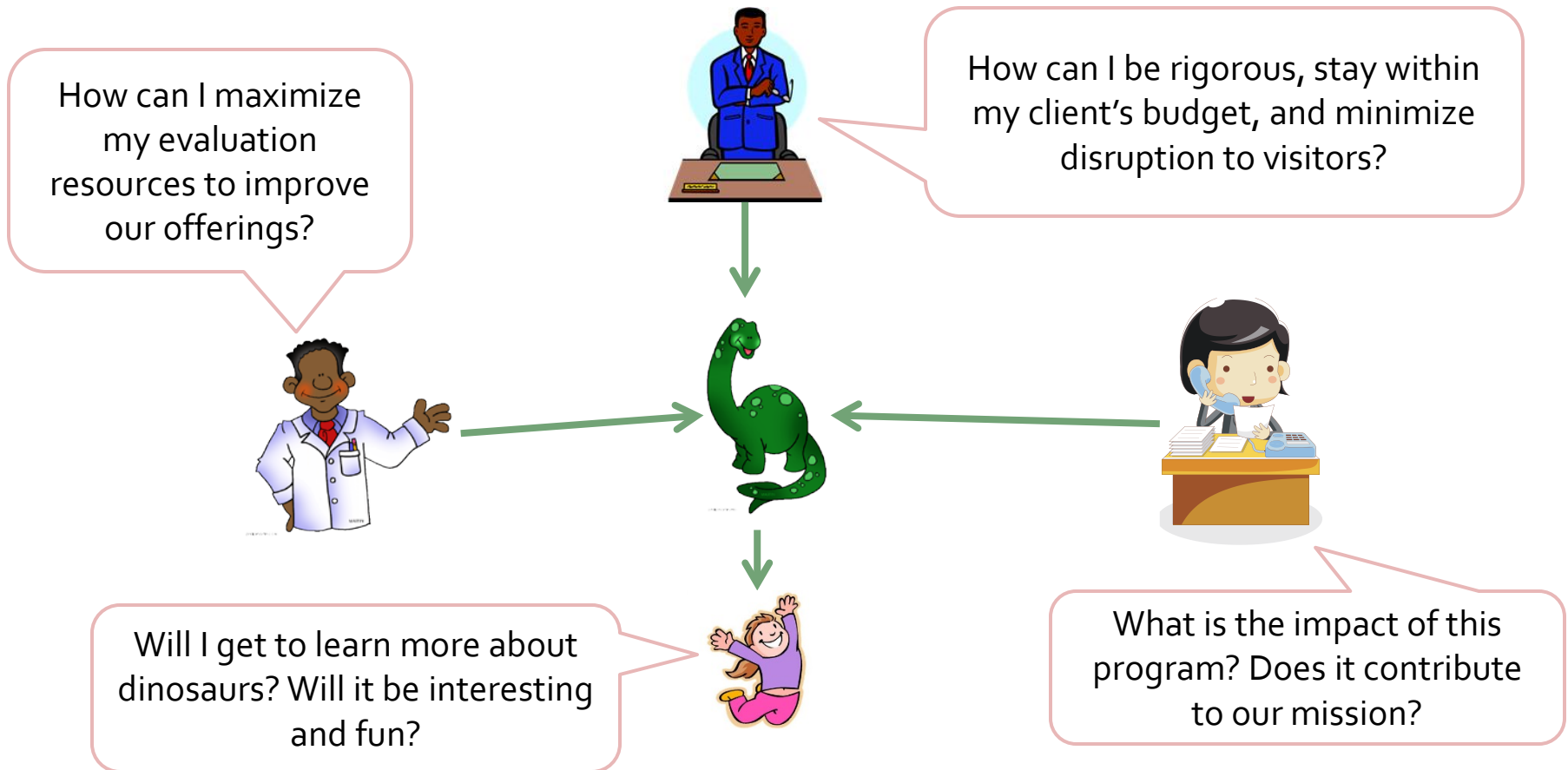
Lightning Design Workshop!

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- Empathize
- Define
- Ideate
- Prototype
- Test

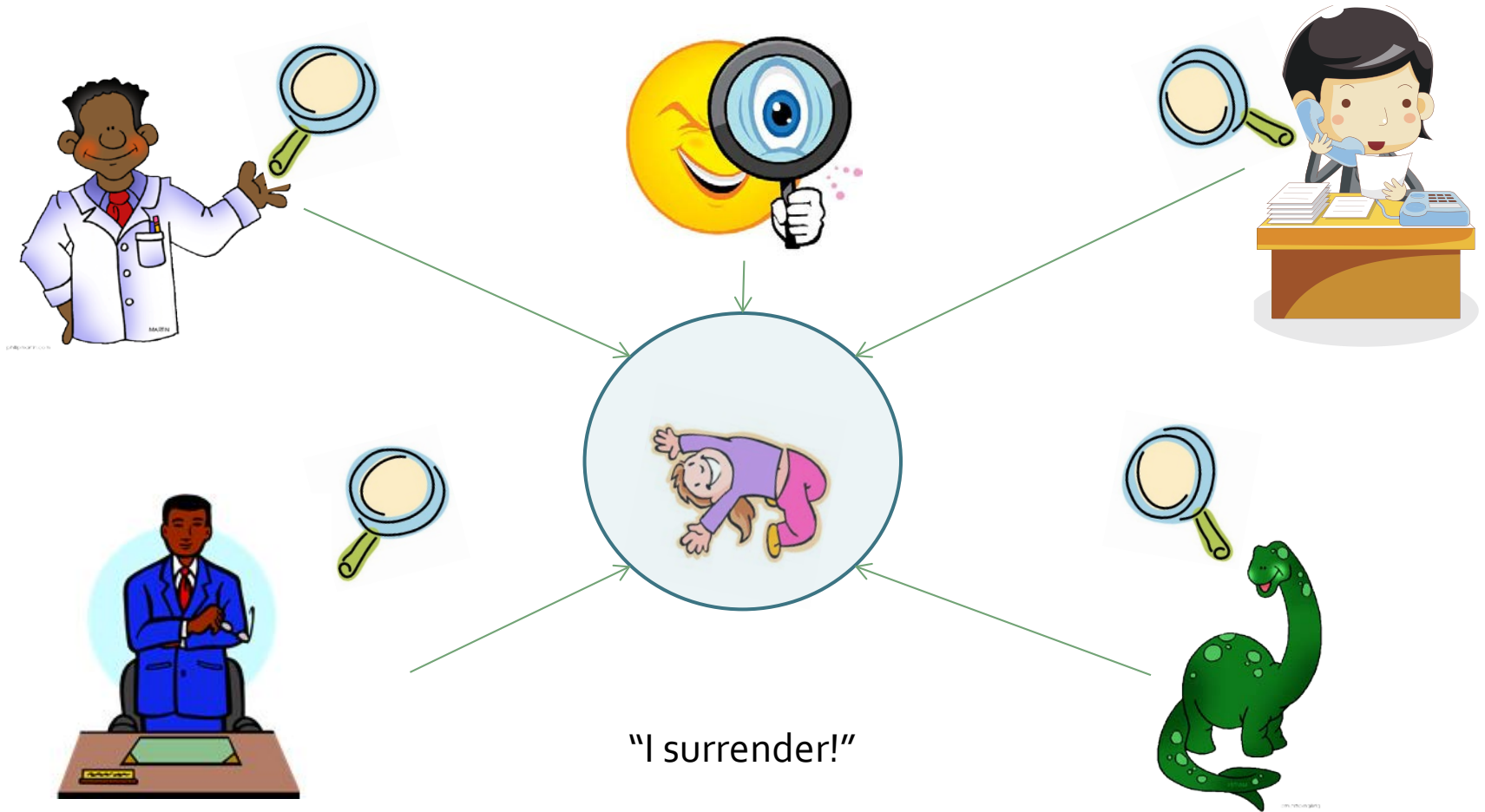
Empathize: Potential Stakeholders

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Evaluating Sally's experience...

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Lightning Design Workshop!

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- Empathize
- Define
 - How might we _____?
 - How might we design innovative assessment tools and measures to more accurately capture and describe visitor / participant outcomes?
- Ideate
 - Stickers ideas!
- Prototype
 - Sketch your idea!

Questions and Comments

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- Thank you!
- Contact us:
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Scientist and dinosaur clipart by Phillip Martin, phillipmartin.com;
Additional clipart from <http://office.microsoft.com/en-us/images>

Alternative Framework

