

**EMERGENCY MEDICINE PROGRAM IN  
IMPLEMENTATION RESEARCH AND  
ECONOMICS  
(EMPIRE)**

**CHARTER  
2018 (v1)**

# MISSION STATEMENT

- The EMPIRE faculty will provide guidance, technical assistance, networking, and capacity building for research, program development, and quality improvement projects seeking to translate evidence-informed practices into emergency medical care, including programs focused on care transitions; system-based, trans-setting approaches; and healthcare finance and economics.

# OBJECTIVE

- The EMPIRE will improve the methodologic rigor of implementation projects through consultation with experienced methodologists, while maximizing the likelihood of implementation success and sustainability through consultation with experienced emergency medicine clinicians and operational leaders.

# GOVERNANCE

- Steering Committee
  - Oversees the review, guidance, and technical assistance provided by EMPIRE faculty to projects
- Faculty
  - Individuals who provide review, guidance, education, and seek funding in their domains of expertise
- Members
  - Investigators and individuals who are associated with EMPIRE, either as subject matter experts, project team leads, or technical advisors

# GOVERNANCE

- Clinical Core
  - Martin Reznek, MD, Director
  - Subject matter and operational experts in clinical emergency medicine
- Methods Core
  - Edwin D. Boudreaux, PhD, Director
  - Research and evaluation design experts
  - Implementation scientists
- Health informatics core
  - Connie Nichols, MD, Director
  - Health informatics and EHR expertise

# SERVICES PROVIDED

- Review emergency medicine projects aimed at translating evidence-informed procedures into clinical care
- Provide guidance on research and evaluation methods options
- Provide guidance on data ascertainment and analyses
- Provide clinical and operations guidance to ensure goodness of fit and maximize likelihood of implementation success

# SERVICES PROVIDED

- Provide templates and boilerplate language for grant applications, project development, implementation strategies, methodological considerations, IRB applications, and CV language
- Provide pre-IRB review and guidance on IRB submission
- Provide guidance on funding of preliminary studies used to attract larger extramural funding

# SERVICES PROVIDED

- Provide guidance and connection with subject matter experts knowledgeable about healthcare finance and economics
- Liaison with Patient and Family Advisory Committees
- Liaison with other UMMHC and UMMS partners, including IT/IS, quantitative and methods resources, and operations leadership in other departments and settings



# SERVICE LEVELS

- Sponsored
  - Full faculty involved
  - Faculty assigned to team
- Consultation
  - No faculty assigned to team
  - Multiple or single
  - Entire faculty or subset
- Networking/Team building
  - Finds clinical or method partner as needed

# SPONSORED PROJECT

## Kick-off

- Full faculty
- Brainstorm
- Assign faculty team member(s)

## Protocol Review

- Full faculty
- Review draft protocol

## Implementation

- Focused faculty
- Review implementation strategy

## Director Review

- Final strategy reviewed by Directors

## Post-implementation

- Focused faculty
- Review as needed

# MEETING SCHEDULE

- Quarterly
  - Informal project review
  - Sponsored project progress report
  - Bite size learning on methodology or clinical topics
- Project specific
  - As needed

# Implementation Cycle

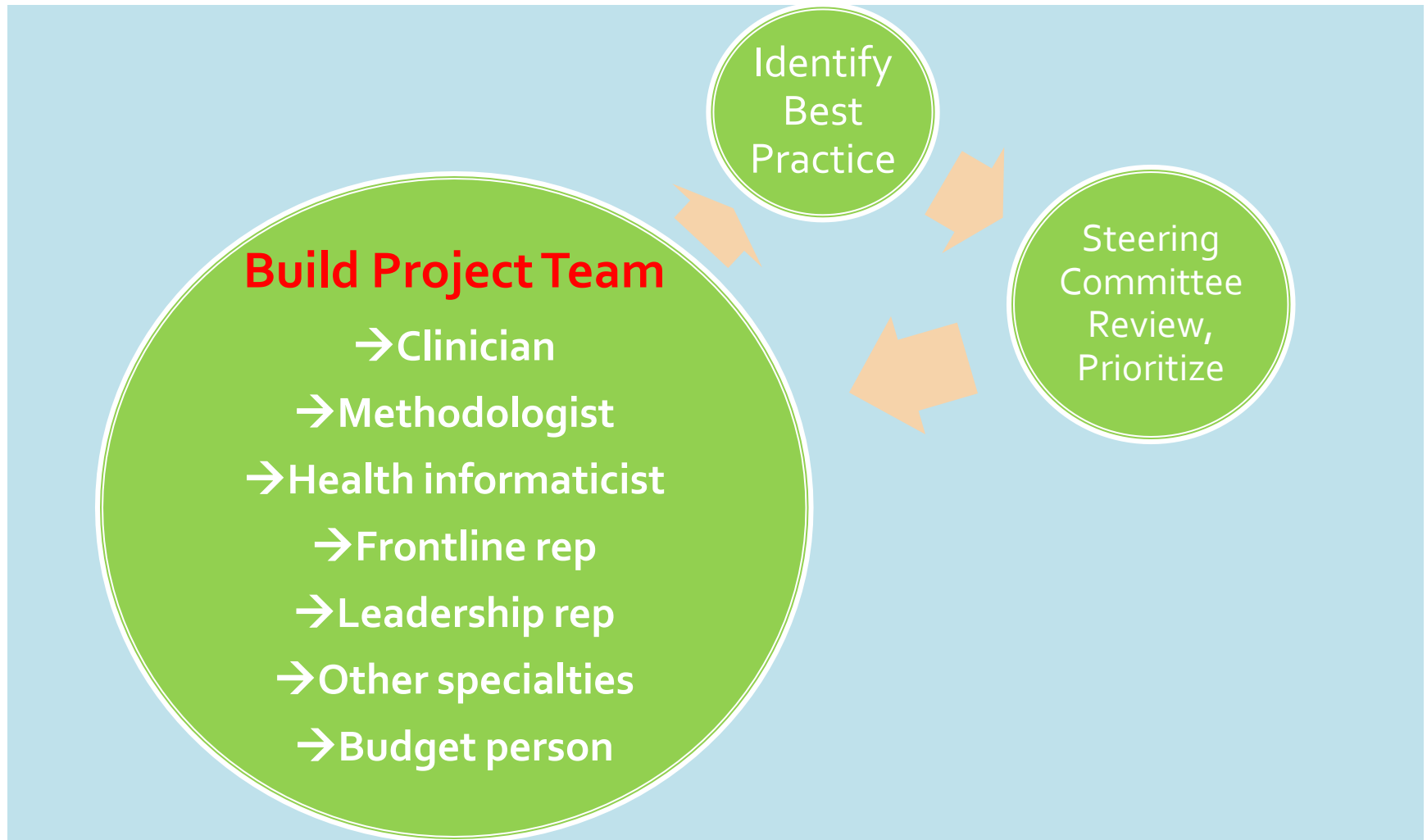
## Identify Best Practice

- Clinician or Researcher
- Evidence Based EM, Clinical Practice Guideline, Standard of Care, Quality Indicator
- Within EM, translation from another specialty
- Resulting from known problems/challenges
  - Clear impact on patient outcomes, clinical/system improvements, costs

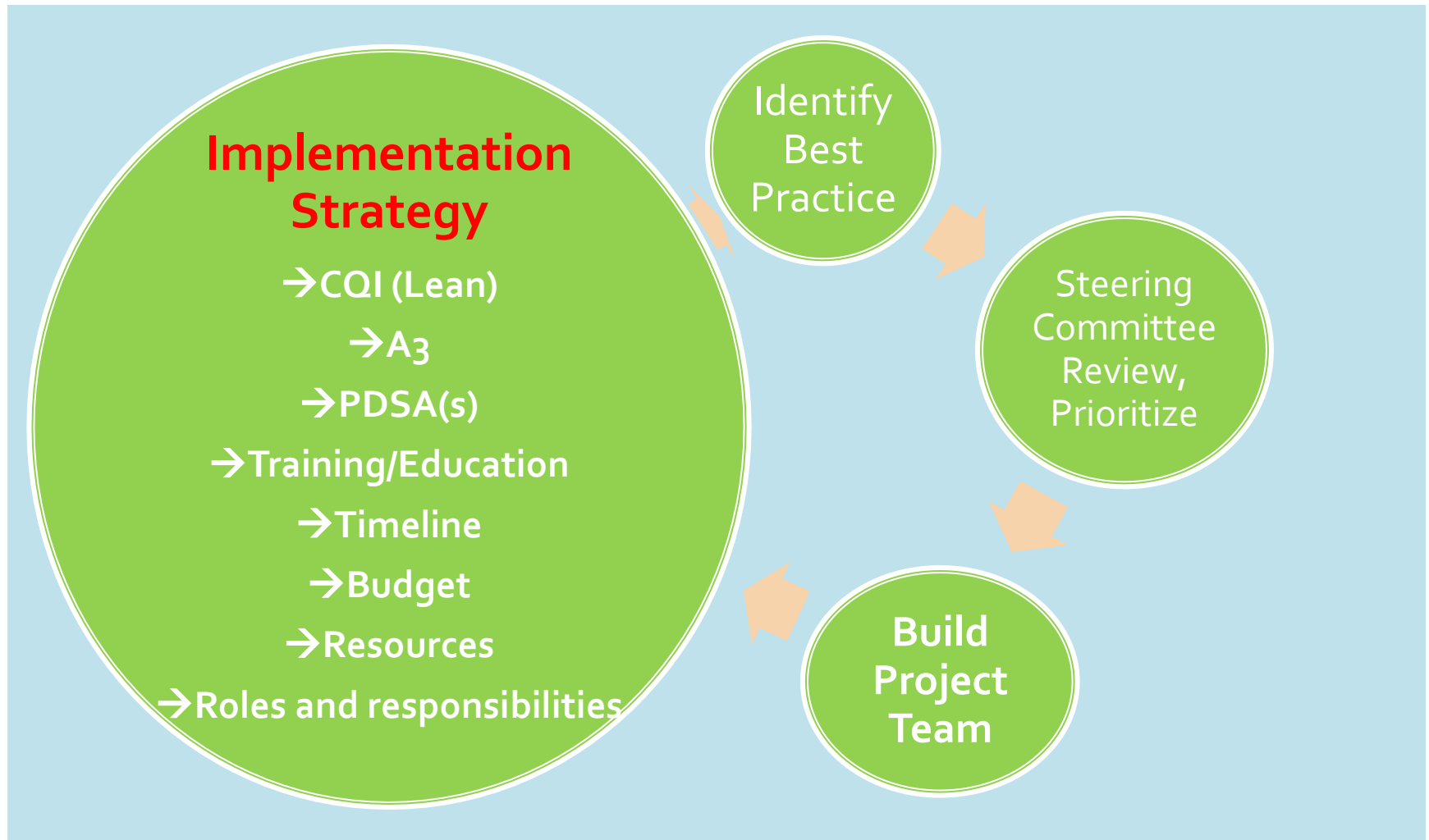
# Implementation Cycle



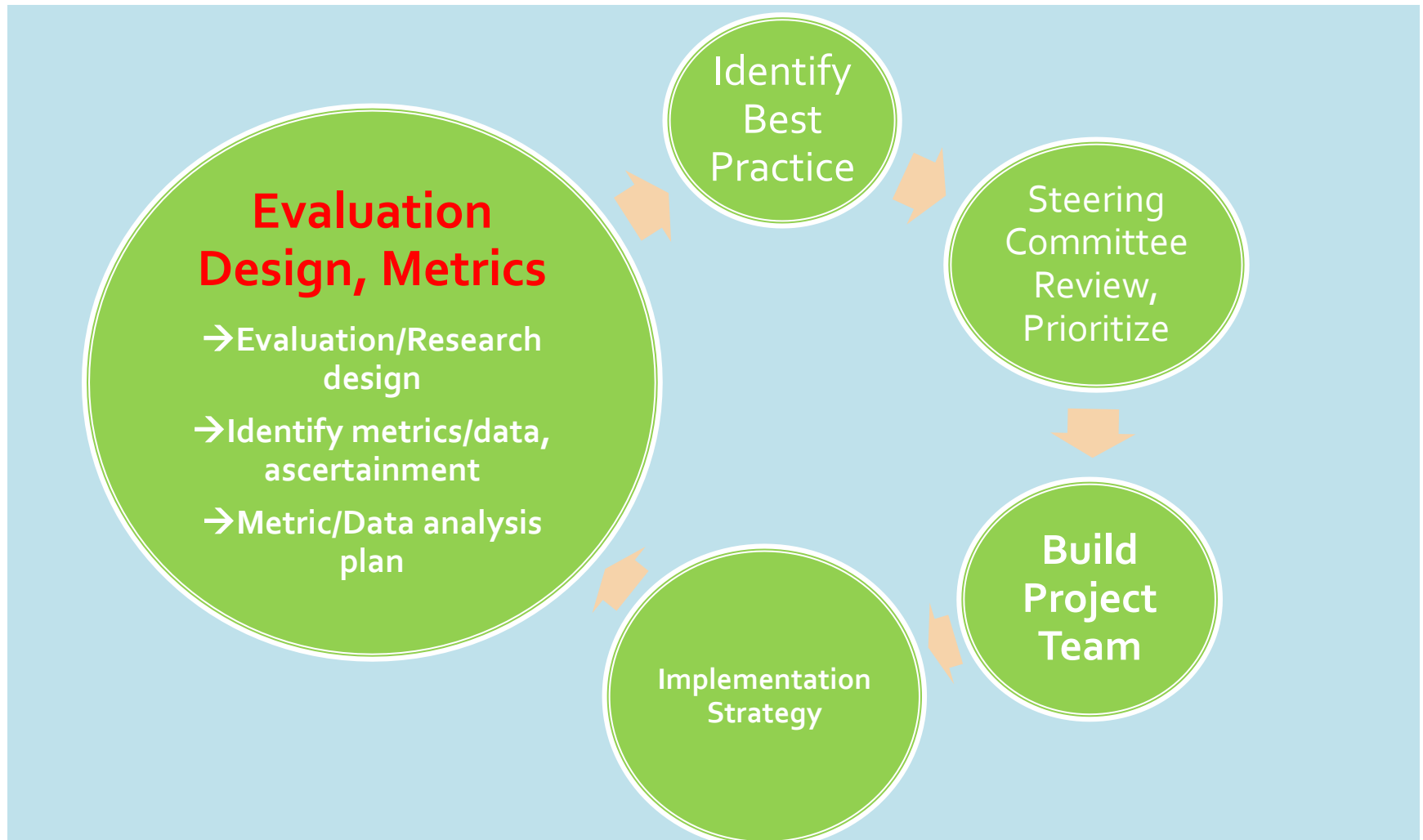
# Implementation Cycle



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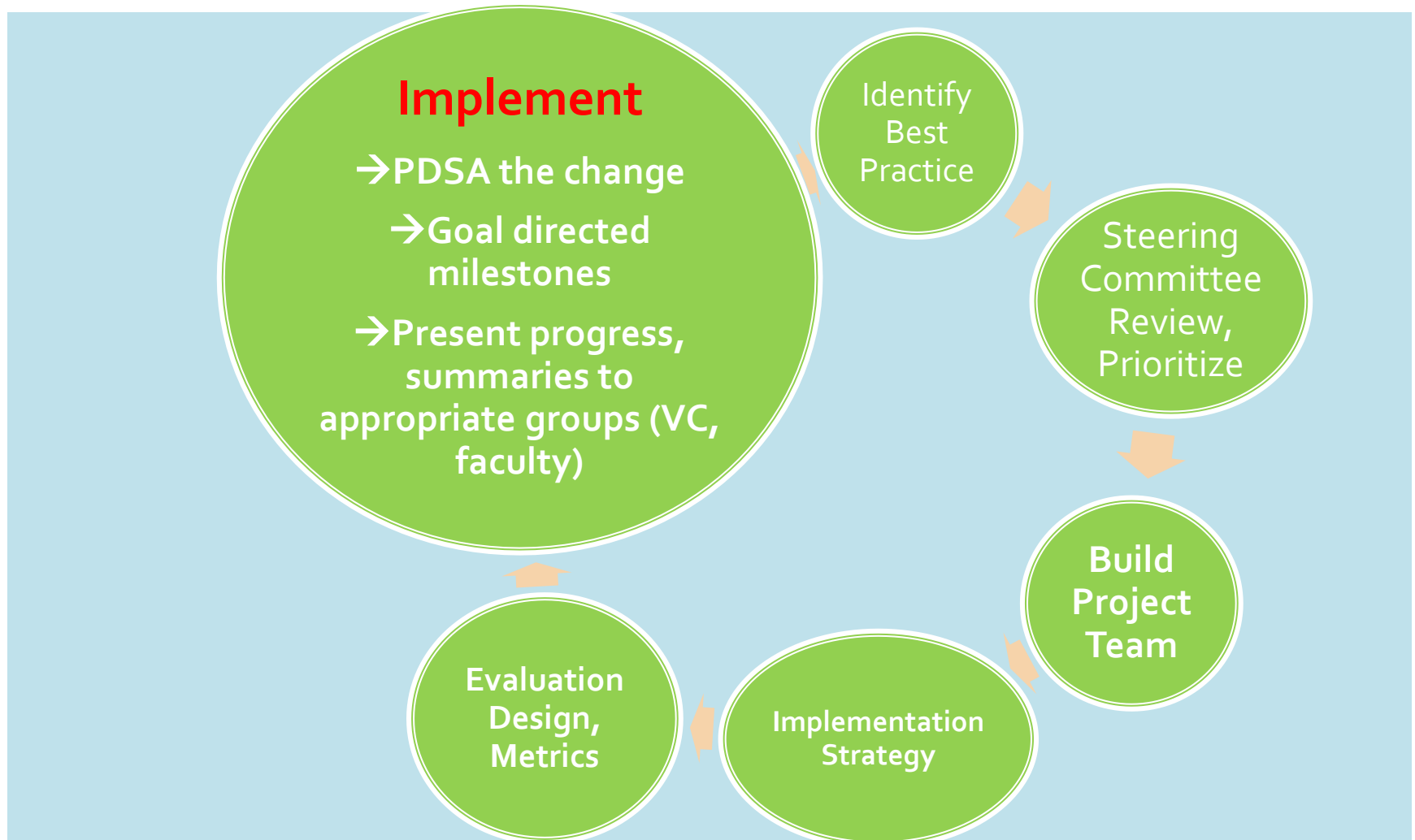


# Implementation Cycle

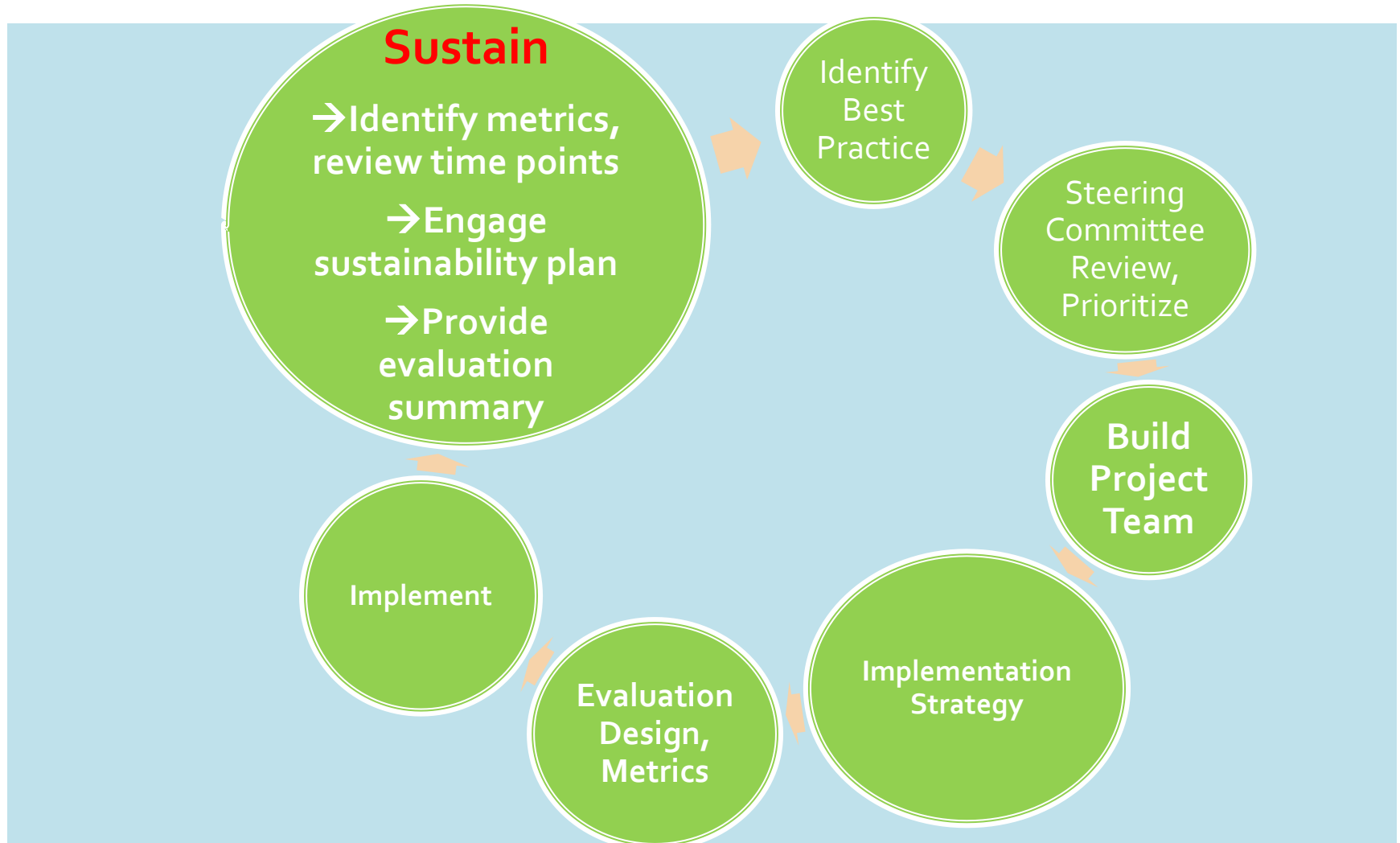




# Implementation Cycle



# Implementation Cycle



# EMPIRE will support:

