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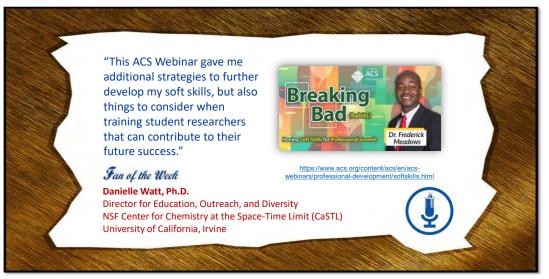
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### New ACS Course!



### Project Management for Technical Professionals

May 4th - 5th | San Diego, CA

#### Facilitated by:



Barry M. Weinstein President, Barry M. Weinstein & Assoc.

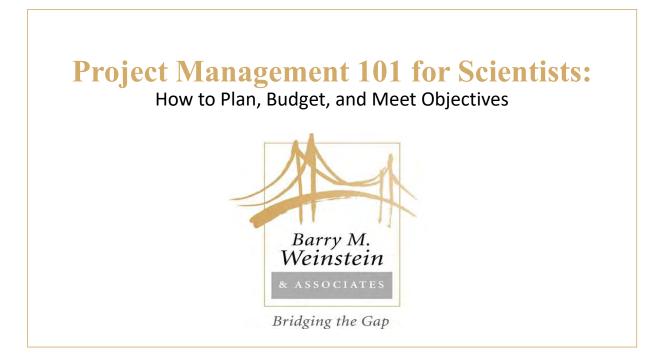
# Learn the skills to be more successful in planning and managing cross-functional project teams, such as:

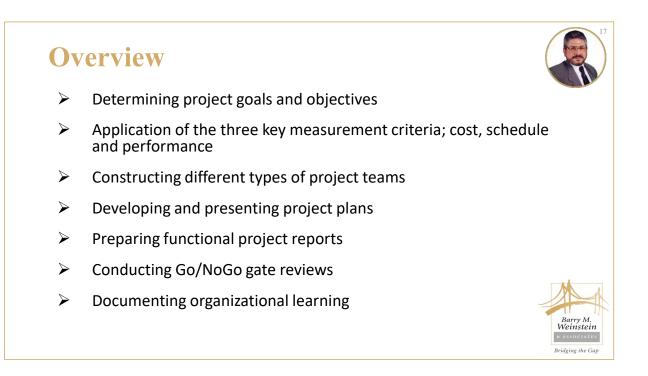
- The art and science of running successful cross-functional teams.
- How to determine project goals and objectives.
- The three key measurement criteria and how to apply them.
- How to conduct go/no-go gate reviews.
- Ways to document organizational learning.

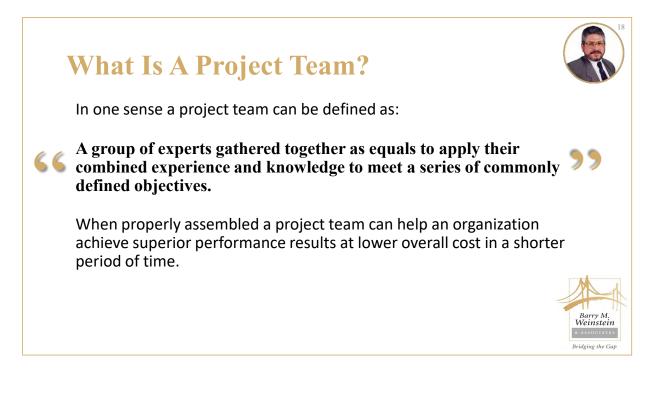
www.ACS.org/ProjectMGMT











## **Art and Science** Two Sides of Project Management **Science** Art • Staffing • Creating the Vision Communicating Organizing • Planning • Building Trust • Directing • Gaining Commitment • Controlling • Knowing How To Get It Done Using The Existing System Barry M. Weinstein Bridging the Gap



## **Exercise 1:**

- Review and discussion of past projects that some of you have been involved in
- Looking to identify the following:
  - The project's objective(s)
  - ➤ Were they met?
  - Contributions of the project manager
  - What else should the PM have done?



# Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

# What do you feel your last project manager could have done differently to MOST improve the success of the project?

- Better technical preparation or understanding of the challenges
- Improved dissemination of data to the team
- Better transfer of team findings to management
- Improved transfer of information within the team

\* If your answer differs greatly from the choices above tell us in the chat!







# **Source of Authority**

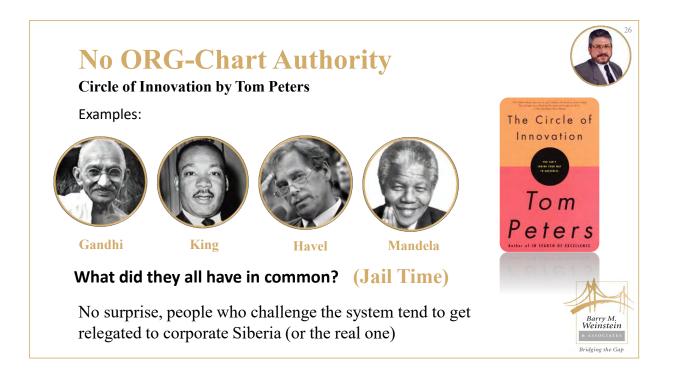
The project manager's authority is a delegated right from the sponsors.

In its most efficient form it is specific and defined to include the assets required to complete the project's goals.



In many cases project managers have to mine authority on a regular basis!





# <section-header> Project Manager's Roles • Evaluate goals and identify objectives • Define tasks and resource requirements • Define tasks and resource requirements • Identify probable task leaders (CORE Team) • Work with task leaders to develop comprehensive task lists • Develop project plan • Develop project plan



- Work with task leaders to monitor progress against tasks, identify challenges, options and impacts
- Update team members and sponsors on status
- Constantly re-evaluate the cost effectiveness and practicality of the project. **Recommend termination if warranted! of the program**
- Plan, run, and record project team meetings
- Maintain the project file for organizational learning
- Negotiate any change in goals or objectives

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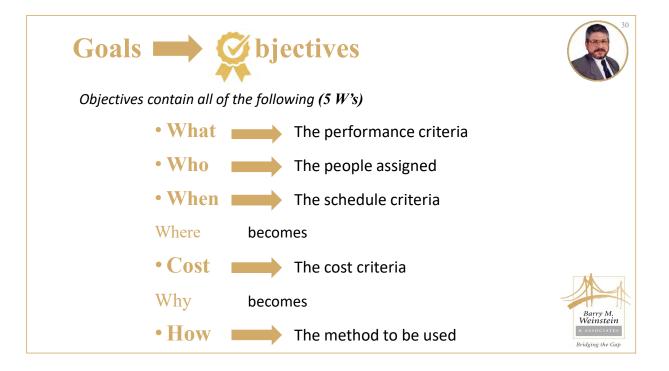
# Audience Survey Question

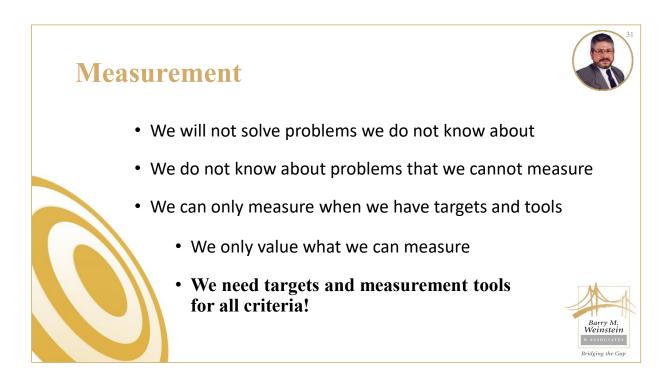
ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

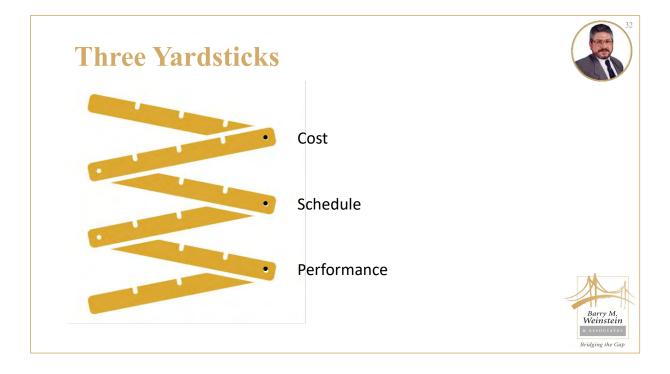
## Which do you feel is the MOST important early role of a project manager?

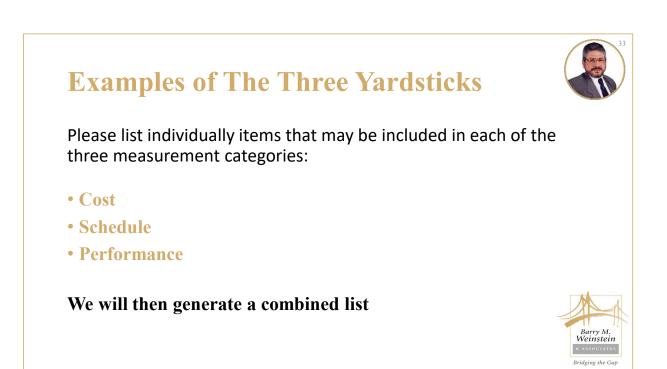
- Evaluate goals and identify objectives
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- Identify probable task leaders (CORE Team)
- Work with task leaders to develop comprehensive task lists
- Develop project plan

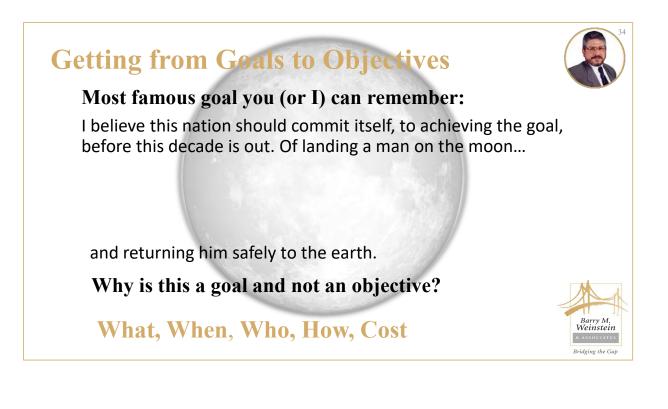
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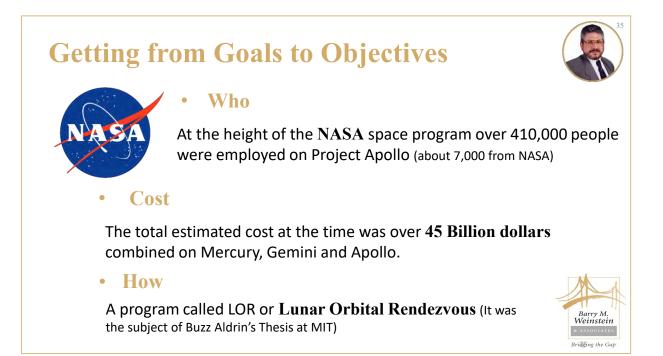




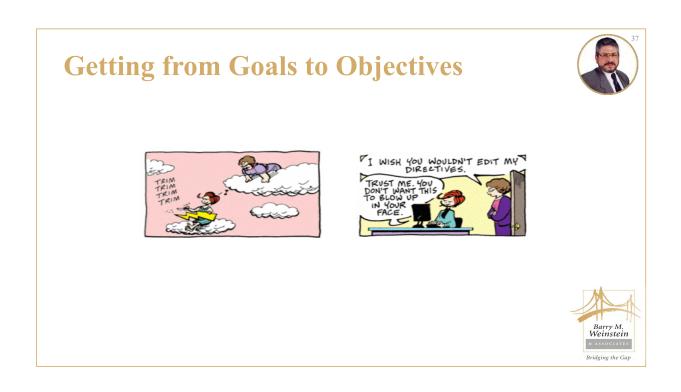


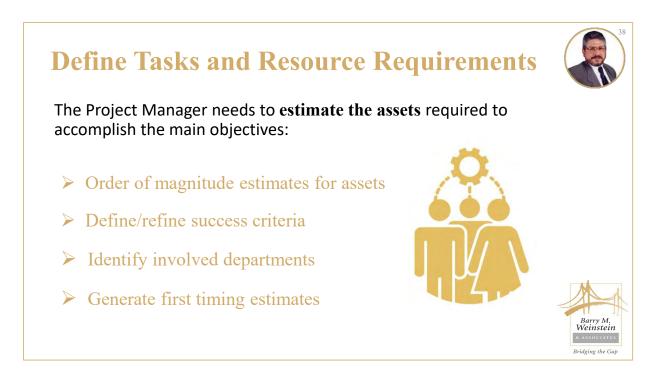












# **One More Thought on Objectives**



Barry M. Weinstein \* Associates Bridging the Gap



Unless clear and definitive objectives are set at the start it will be very difficult or even impossible for senior management (sponsors) to support the autonomous team if any midcourse corrections are needed.

This may not leave any choice but to **suspend** the team if significant difficulties are encountered.

# Tasks

## Each task should include:

- What is being delivered? (Not the activity, the result). What is needed? When?
- Who are the tasks customers?
- What form is it needed in?
- What are the required precursors?
- What are the required assets?



# **Additional Readings**



- Kim Clark and Steven Wheelwright, The Product Development Challenge, ISBN 0-87584-609-2
- Robert Cooper, Winning at New Products, ISBN 0-7382-0463
- Robert Cooper, Product Leadership, ISBN 0-7382-0156-1
- John Whitmore, Coaching for Performance, ISBN 1-85788-170-2
- David Keirsey, Please Understand Me, ISBN 0-9606954-0-0
- Barry Weinstein, Successfully Manage Cross-Functional Teams, Chemical Engineering. October 2002









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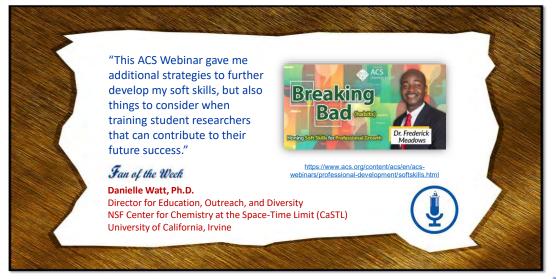
#### Project Management 101 for Scientists: How to Plan, Budget, and Meet Objectives



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