

Building Successful Research and Project Collaborations



Presented By:
Interdisciplinary Research Support

UC DAVIS
UNIVERSITY OF CALIFORNIA

Interdisciplinary Research Support Team

Who we are, what we do

Funding Opportunities Identification

- Set-up personalized searches
- Coordinate internal selection processes

Grant writing and coordination

- Large-scale interdisciplinary projects
- Small to medium-scale projects
- Training grants

Workshops

- Grant-writing
- Budget development
- Funding identification

One-on-One Support Programs

- New Faculty development
- Drop-in Office Hours



Interdisciplinary Research Support Team

Who we are, what we do

13

13 years of experience on grant proposal writing and coordination, primarily for Center grants and Large-team grants



We have seen teams of collaborators working together on a project at their best and at their worst



We live and breathe grantsmanship

Overall success rate of approximately 50%



Large library of proposal components, especially those sections that are not about the research

- Management Plan

- Training components

- Data Management

- Budget justifications (e.g. for admin support)

Collaborative Research

What will you get out of this discussion?

Practical advice and specific tools for

- Finding collaborators
- Writing a collaborative proposal
- Sustaining a long-term team project

Collaborative Research

Who are you?

What do you do?

**What do you hope
to get out of
this discussion?**

Types of Collaborative Research

What do we mean by collaborative?

Types of collaboration

- Disciplinary, multidisciplinary and interdisciplinary
- Different roles on the project such as with non-academic partners (industry, Nat'l Labs)
- Inter-institutional
- International

Types of funded arrangements

- Subaward to academic institution
- Linked but separately funded projects
- Service agreement
- Consultant (brains and briefcase)



Importance of Collaborative Research

Why?

We live in an increasingly connected world

- There is an expectation that all research and scholarship will result in some benefit or outcome that impacts “me”
- Partnerships allow for plug-and-play solutions or applications from one domain to be applied to a new area
- Partnerships permit translation from basic research to applied functions



Importance of Collaborative Research

Why?

In an competitive world, you have to share the pie

- Low-hanging fruit has been picked in the disciplines, but lots of low hanging fruit remains between the disciplines
- That's where the money is

At NSF, the number of awards to projects with multiple PIs increased from fiscal year 2003 to fiscal year 2012, while the number of awards to individual PIs remained steady

--National Science Foundation

At the National Institutes of Health (NIH), the number of multiple PI grants grew from 3 in 2006 to 1,098 in 2013, or 15–20 percent of all major grants funded

--Stipelman et al., 2014

Importance of Collaborative Research

Why?

Teams typically produce higher impact work than individuals

Groups of diverse problem solvers can outperform groups of high-ability problem solvers

Lu Hong^{*‡§} and Scott E. Page[¶]

^{*}Michigan Business School and [¶]Complex Systems, University of Michigan, Ann Arbor, MI 48109-1234; and [‡]Department of Finance, Loyola University, Chicago, IL 60611

Edited by William J. Baumol, New York University, New York, NY, and approved September 17, 2004 (received for review May 25, 2004)

We introduce a general framework for modeling functionally diverse problem-solving agents. In this framework, problem-solving agents possess representations of problems and algorithms that they use to locate solutions. We use this framework to establish a result relevant to group composition. We find that when selecting a problem-solving team from a diverse population of intelligent agents, a team of randomly selected agents outperforms a team comprised of the best-performing agents. This result relies on the intuition that, as the initial pool of problem solvers becomes large, the best-performing agents necessarily become similar in the space of problem solvers. Their relatively greater ability is more than offset by their lack of problem-solving diversity.

A diverse society creates problems and opportunities. In the past, much of the public interest in diversity has focused on issues of fairness and representation. More recently, however, there has been a rising interest in the benefits of diversity. In the legal cases surrounding the University of Michigan's admissions policies and in efforts to curtail affirmative action in California,

The Increasing Dominance of Teams in Problem Solving and Knowledge

equal ability, functionally diverse groups outperform homogeneous groups. It has also been shown that functionally diverse groups tend to outperform the best individual agents, provided that agents in the group are nearly as good (1). These results leave open an important question: Can a functionally diverse group whose members have less ability outperform a group of people with high ability who may themselves be diverse? The main result of our paper addresses exactly this question.

Consider the following scenario: An organization wants to hire people to solve a hard problem. To make a more informed decision, the organization administers a test to 1,000 applicants that is designed to reflect their individual abilities in solving a problem. Suppose the applicants receive scores ranging from 60% to 90%, so that they are all individually capable. Should the organization hire (i) the person with the highest score, (ii) the person with the next 20 highest scores, or (iii) 20 people randomly selected from the applicant pool? Ignoring problems of communication within a group, the existing literature would suggest that *ii* is better than *i*, because more people

HARD TO FIND

Why it's increasingly difficult to make discoveries – and other insights from the science of science

BY SAMUEL ARBESMAN

IF YOU LOOK back on history, you get the sense that scientific discoveries used to be *easy*. Galileo rolled objects down slopes. Robert Hooke played with a spring to learn about elasticity; Isaac Newton poked around his own eye with a darning needle to understand color perception. It took creativity and knowledge to ask the right questions, but the experiments themselves could be almost trivial.

Today, if you want to make a discovery in physics, it helps to be part of a 10,000-member team that runs a multibillion dollar atom smasher.

Samuel Arbesman is a postdoctoral fellow in the Department of Health Care Policy at Harvard Medical School and is affiliated with the Institute for Quantitative Social Science at Harvard University. He is a regular contributor to Ideas.

It takes ever more money, more effort, and more people to find out new things.

But until recently, no one actually tried to measure the increasing difficulty of discovery. It certainly seems to be getting harder, but how much harder? How fast does it change?

This type of research, studying the science of science, is in fact a field of science itself, and is known as scientometrics. Scientometrics may sound self-absorbed, a kind of inside baseball for scientists, but it matters: We spend billions of dollars annually on research, and count on science to do such things as cure cancer and master space travel, so it's good to know what really works.

From its early days of charting the number of yearly articles published in physics, scientometrics has broadened to yield **DISCOVERY, Page C2**

1 So you want to work collaboratively...

Finding collaborators

- Take advantage of every opportunity to network with people in your field and outside of your field. You never know when these connections will come in handy
- Work through your grad students and postdocs for horizontal connections and future peers
- Keep your relationships fresh – mention shared connections whenever possible



So you want to work collaboratively...

Finding mentors

- Build a community of mentors
- Talk to the people whose work you respect
- Look outside your local community
- Make it a two-way street



So you want to work collaboratively...

Finding mentors

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- Look outside your local community
- Make it a two-way street

Mentworking

So you want to work collaboratively...

Picking collaborators for a specific project



- Pick people who value working in a team and have demonstrated that ability previously
- Pick people who get things done
- Pick people who can work in a hierarchy



- Don't pick people you dislike, but you don't have to necessarily like them either
- Don't pick people who ignore deadlines
- Don't pick people who don't respond

So you want to work collaboratively...

Picking collaborators for a specific project



- Pick a group of investigators with an appropriate mix of skills that complement each other
- Develop a shared vision that everyone can buy into, be open-minded about everyone's contribution



- Don't pick people who have the same research expertise
- Don't pick people solely to "fill a hole" in the team

So you want to work collaboratively...

HERE'S HOW:

Resources for Building Collaboration

Collaboration Portals

Interdisciplinary  pivot™

Biomedical KNODE 

Health System and Veterinary Medicine  SciVal

UC Davis Faculty with International Linkages  **UC DAVIS**
UNIVERSITY OF CALIFORNIA



Resources for Building Collaboration

Pivot Profiles

1. Claim or create a profile
 - a. View relevant funding opportunities
 - b. Be “searchable” by others
2. Find collaborators
 - a. Browse UC Davis Profiles
 - b. Create an advanced search
 - c. From a funding opportunity



Resources for Building Collaboration

Pivot Profiles

1. Claim or create a profile

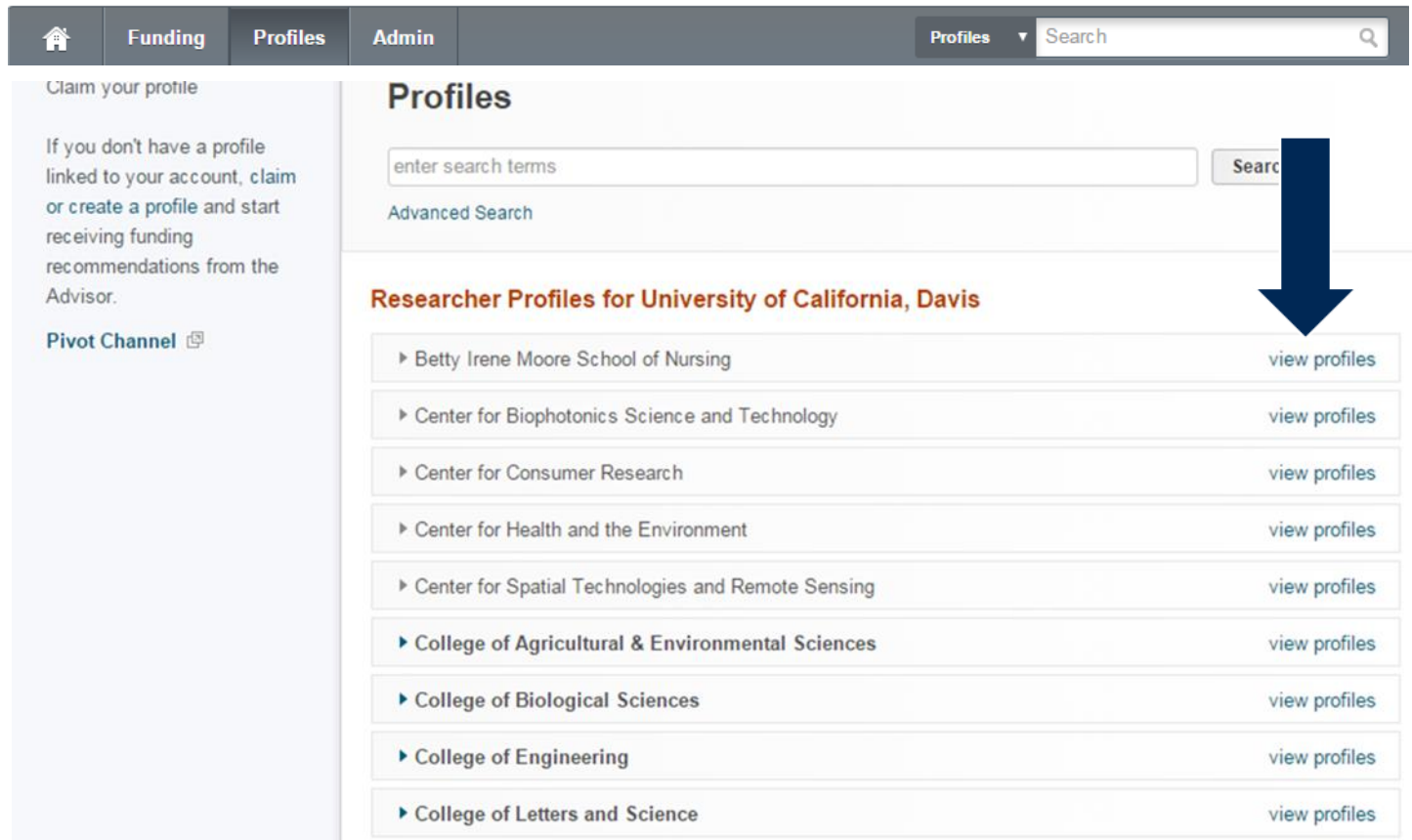
The screenshot displays the Pivot University of California, Davis interface. The top navigation bar includes the Pivot logo, the text "University of California, Davis", and links for "Announcements", "Kassie Obelleiro" (with a dropdown arrow), and a "HELP" button. Below this is a secondary navigation bar with tabs for "Home", "Funding", "Profiles", and "Admin". A "Funding" dropdown menu and a "Search" input field are also present. The left sidebar contains a list of filters: "Active" (396), "Tracked" (1361), "Saved Searches" (130), "Shared" (6), "Received", "Advisor" (highlighted with a blue arrow), and "Curated" (17). The main content area is titled "Active Opps" and displays the message: "** No active opportunities with current selected filters. **". A user profile dropdown menu is open in the top right corner, showing options: "Claim profile", "Change account info", "Preferences", "Groups", and "Sign out". A blue arrow points from the "Kassie Obelleiro" link to this menu.

Resources for Building Collaboration

Pivot Profiles

2. Find collaborators

a. Browse UC Davis Profiles



The screenshot shows the UC Davis Pivot Profiles website. The top navigation bar includes links for Home, Funding, Profiles, and Admin. A search bar is located on the right. The main content area is titled "Profiles" and features a search input field with the placeholder text "enter search terms" and a "Search" button. Below the search bar is a link for "Advanced Search". A large blue arrow points down from the "Search" button to the "view profiles" links in the list below. The list is titled "Researcher Profiles for University of California, Davis" and contains ten entries, each with a department name and a "view profiles" link.

Department	view profiles
Betty Irene Moore School of Nursing	view profiles
Center for Biophotonics Science and Technology	view profiles
Center for Consumer Research	view profiles
Center for Health and the Environment	view profiles
Center for Spatial Technologies and Remote Sensing	view profiles
College of Agricultural & Environmental Sciences	view profiles
College of Biological Sciences	view profiles
College of Engineering	view profiles
College of Letters and Science	view profiles

Resources for Building Collaboration

Pivot Profiles

2. Find collaborators

b. Create an advanced search

The screenshot displays the Pivot Profiles web application. At the top is a navigation bar with tabs for Home, Funding, Profiles, and Admin. A search bar on the right of the navigation bar is set to 'Profiles' and contains the text 'Search'. On the left side, a sidebar contains the text 'Claim your profile' followed by instructions: 'If you don't have a profile linked to your account, claim or create a profile and start receiving funding recommendations from the Advisor.' Below this is a 'Pivot Channel' link with a document icon. A large blue arrow points from the text 'or create a profile and start receiving funding recommendations from the Advisor.' to the 'Advanced Search' link in the main content area. The main content area is titled 'Profiles' and features a search input field with the placeholder text 'enter search terms' and a 'Search' button. Below the search field is a link for 'Advanced Search'. Further down, a section titled 'Researcher Profiles for University of California, Davis' lists three institutions: 'Betty Irene Moore School of Nursing', 'Center for Biophotonics Science and Technology', and 'Center for Consumer Research'. Each institution name is preceded by a right-pointing triangle icon and followed by a 'view profiles' link.

Claim your profile

If you don't have a profile linked to your account, [claim](#) or create a profile and start receiving funding recommendations from the Advisor.

Pivot Channel

Profiles

enter search terms

[Advanced Search](#)

Researcher Profiles for University of California, Davis

▶ Betty Irene Moore School of Nursing	view profiles
▶ Center for Biophotonics Science and Technology	view profiles
▶ Center for Consumer Research	view profiles

Resources for Building Collaboration

Pivot Profiles

2b. Find collaborators:
Create an advanced search

Search Tips

- Select internal/external
- Use “quote” to keep phrases together
- Think in broad terms
- Refine as you go

The screenshot displays the Pivot Profiles advanced search interface. At the top, there are two checkboxes: "Search inside my institution" (checked) and "Search outside my institution" (checked), followed by a "Search" button and a "Clear All" link. Below this is a search input field containing the text "gender inequality". Under the "Search in:" section, there are eight checkboxes: "Expertise" (checked), "Keywords" (checked), "Homepage" (checked), "Pub Page" (checked), "CV Page" (checked), "Title" (checked), "Abstract" (checked), and "Scholar Name" (unchecked). There is also an unchecked checkbox for "Affiliation". Below the search criteria, there is a "Search by Name" section with three input fields: "First name", "MI", and "Last name". Further down, there are expandable sections for "Degree", "Role", "Association or Society", and "Affiliation". The "Role" section is currently expanded, showing a list of roles: "Instructor", "Lecturer", "Librarian", "Postdoc", "Professor" (checked), "Reader", "Researcher", and "Undergraduate Student". To the right of the "Role" list, there is a "Professor x" tag and a "Clear" link. The "Association or Society" and "Affiliation" sections are currently collapsed.

Resources for Building Collaboration

Pivot Profiles

2b. Find collaborators:
Create an advanced search

Filter

- Internal vs External
- Discipline
- Country

Institution

☒ University of California, Davis: 2

☒ Outside Institutions: 412

Filter by clear

- ▶ ☐ Agriculture: 2
- ▶ ☐ Allied Health: 34
- ▶ ☐ Applied Science: 11
- ▶ ☐ Architecture: 1
- ▶ ☐ Arts: 3
- ▶ ☐ Business: 71
- ▶ ☐ Education: 18
- ▶ ☐ Engineering: 2
- ▶ ☐ Environmenta...: 4
- ▶ ☐ Humanities: 92
- ▶ ☐ Law: 24
- ▶ ☐ Mass Communi...: 6
- ▶ ☐ Medicine: 23
- ▶ ☐ Natural Science: 9
- ▶ ☐ Social Sciences: 249

Country sort by alpha

<input type="checkbox"/>	414 Results	Sort ▼
<input type="checkbox"/>	Huffman, Matt L. Professor Demographic and Social Analysis School of Social Sciences University of California Irvine	
<input type="checkbox"/>	Treas, Judith Professor Demographic and Social Analysis School of Social Sciences University of California Irvine	
<input type="checkbox"/>	Shauman, Kimberlee Professor Department of Sociology Division of Social Sciences College of Letters and Science University of California, Davis	
<input type="checkbox"/>	Vanneman, Reeve Doering Professor Department of Sociology College of Behavioral and Social Sciences University of Maryland	
<input type="checkbox"/>	Jones, James Holland Professor Center on the Economics and Demography	

Resources for Building Collaboration

Pivot Profiles

2b. Find collaborators:
Create an advanced search

[View Filtered List](#)

- Review results for relevance

Institution

☒ University of California, Davis: 2

☐ Outside Institutions: 412

Filter by

clear

☐ Agriculture: 0

☐ Allied Health: 0

☐ Applied Science: 0

☐ Architecture: 0

☐ Arts: 0

☐ Business: 0

☐ Education: 1

☐ Engineering: 0

☐ Environmenta...: 0

☐ Humanities: 1

☐ Law: 0

☐ Mass Communi...: 0

☐ Medicine: 0

☐ Natural Science: 0

☐ Social Sciences: 2

☐

2 Results

Sort▼

☐

Shauman, Kimberlee

Professor

Department of Sociology

Division of Social Sciences

College of Letters and Science

University of California, Davis

☐

Shu, Xiaoling

Professor

Department of Sociology

Division of Social Sciences

College of Letters and Science

University of California, Davis

Resources for Building Collaboration

Pivot Profiles

2b. Find collaborators: Create an advanced search

Overview

Publications (9)

Personal Website

<http://education.ucdavis.edu/graduate-group-education-faculty/kimberl...>

more »

CV Page

<http://sociology.ucdavis.edu/people/kashauma/VITA.pdf>

Publication Page

<http://sociology.ucdavis.edu/people/kashauma>

ISNI

0000 0003 5285 5126

Expertise

- Social Stratification
- Social Demography
- Family, Kinship, and Gender
- Education

Gender inequalities in careers & earnings; Women in science fields from high school through occupations Race, Ethnicity, and Immigration. The Geographic Mobility of Families: Patterns, Causes, and Consequences. Sex Differences in College Majors and Early Occupational Attainment. The Impact of Racial Disparities in Mortality across the 20th Century. State-level Anti-Discrimination Laws and Labor Force Sex Stratification.

Funding Matches:

36

funding opportunities

167

funding opportunities for your department

Resources for Building Collaboration

Pivot Profiles

2c. From a Funding Opportunity

Digital Resources Grants Program

Opp ID: 159833 | Publishing or Editorial Research Program or Curriculum Development or Provision | Last edited on 28 Jan 2016

Full Details

Website http://www.kressfoundation.org/grants/digital_resources/

Sponsor Kress Foundation, Samuel H.

Amount The award amount is unspecified. The Foundation requires its funding be allocated toward direct costs only.

Applicant Type Academic Institution
Nonprofit

Citizenship or Residency United States

Activity location United States

Abstract The Digital Resources program is intended to foster new forms of research and collaboration as well as new approaches to teaching and learning. The program supports efforts to integrate new technologies into the... [more »](#)

Tracking 0 others

Active 0 others

Share

Curate

Edit Tags

See alert recipients (0)

See more opps like this

Send feedback

Profile Matches

330 from inside your institution

500+ from outside institutions

Funding Contact Person

Samuel H. Kress Foundation
174 East 80th Street
New York, NY 10075
Phone: +1 (212) 861-4993

Resources for Building Collaboration

Pivot Profiles

2c. From a Funding Opportunity

- Filter the list as before
- Open the profiles ensure relevance
- Make contact with potential collaborators

Institution

☒ [University of California, Davis:](#) 330

☐ Outside Institutions: 108,096

Filter by clear

- ☐ Agriculture: 41
- ☐ Allied Health: 4
- ☐ Applied Science: 36
- ☐ Architecture: 0
- ☐ Arts: 57
- ☐ Business: 37
- ☐ Education: 13
- ☐ Engineering: 6
- ☐ Environmental...: 2
- ☐ Humanities: 183
- ☐ Law: 6
- ☐ Mass Communi...: 1
- ☐ Medicine: 5
- ☐ Natural Science: 12
- ☐ Social Sciences: 24

Role

<input type="checkbox"/>	330 Results	Sort▼
<input type="checkbox"/>	<hr/>	
<input type="checkbox"/>	Ravetto-Biagioli, Kriss Cultural Studies Division of Humanities, Arts, and Cultural Studie College of Letters and Science University of California, Davis	
<input type="checkbox"/>	<hr/>	
<input type="checkbox"/>	Stewart, Mary PhD Student School of Education University of California, Davis	
<input type="checkbox"/>	<hr/>	
<input type="checkbox"/>	He, Yuming Associate Professor Chinese Program Department of East Asian Languages and Cultur Division of Humanities, Arts, and Cultural Studie College of Letters and Science University of California, Davis	
<input type="checkbox"/>	<hr/>	
<input type="checkbox"/>	Delfanti, Alessandro Postdoctoral Scholar Science and Technology Studies Division of Social Sciences College of Letters and Science University of California, Davis	
<input type="checkbox"/>	<hr/>	
<input type="checkbox"/>	White, Elisa Joy Associate Professor	

Resources for Building Collaboration

Questions



2 Applying for a collaborative grant



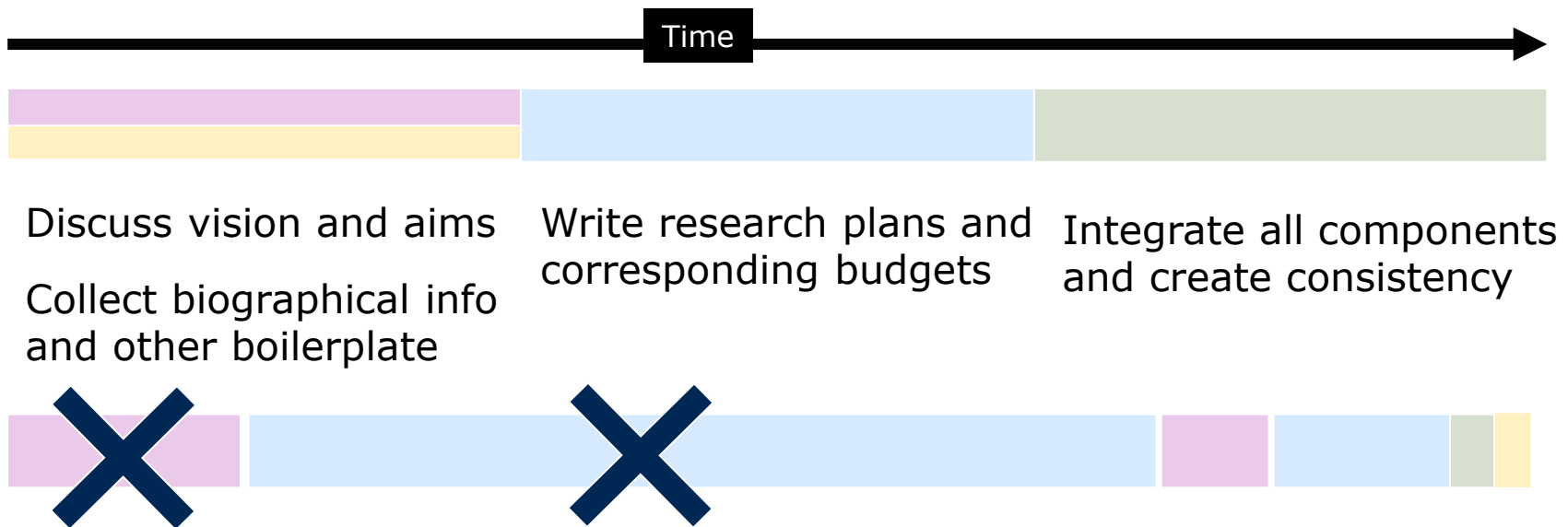
The research grant application process.

Applying for a collaborative grant

Steps for developing a collaborative proposal

Create a checklist and timeline

- Make a list of everything you need to do and assign roles and responsibilities
- Add the elements to your calendar
- Build in 1/3 of your timeline for review of combined elements



Applying for a collaborative grant

Steps for developing a collaborative proposal

- Create a checklist and timeline
- Thoroughly discuss proposal elements that require collaborative input
 - Designate an “Executive Committee” to make decisions
 - The PI should not be a figurehead

Vision Broader
 Impacts **Metrics**
Communication Strategy
Budget Data Sharing
 Management Plan

Applying for a collaborative grant

Steps for developing a collaborative proposal

- Create a checklist and timeline
- Thoroughly discuss proposal elements that require collaborative input
- Be smart about the budget

Applying for a collaborative grant

Steps for developing a collaborative budget



- Engage the team
- Allocate budget based on value added contributions
- Keep budget open and fluid as project develops and if possible, during project period
- Keep process transparent
- Adequately justify the budget



- Dictate allocations
- Divide total project cost by the number of team members
- Make commitments prematurely
- Make secret promises or fund existing staff just to keep their positions
- Trivialize the importance of budget justification

Applying for a collaborative grant

HERE'S HOW:

Applying for a collaborative grant

Tools for developing a collaborative proposal

- Templates for collaborative proposal elements
- Guide to developing your vision (“one-pager”)
- Schedule of common deadlines



Applying for a collaborative grant

Tools for developing a collaborative proposal

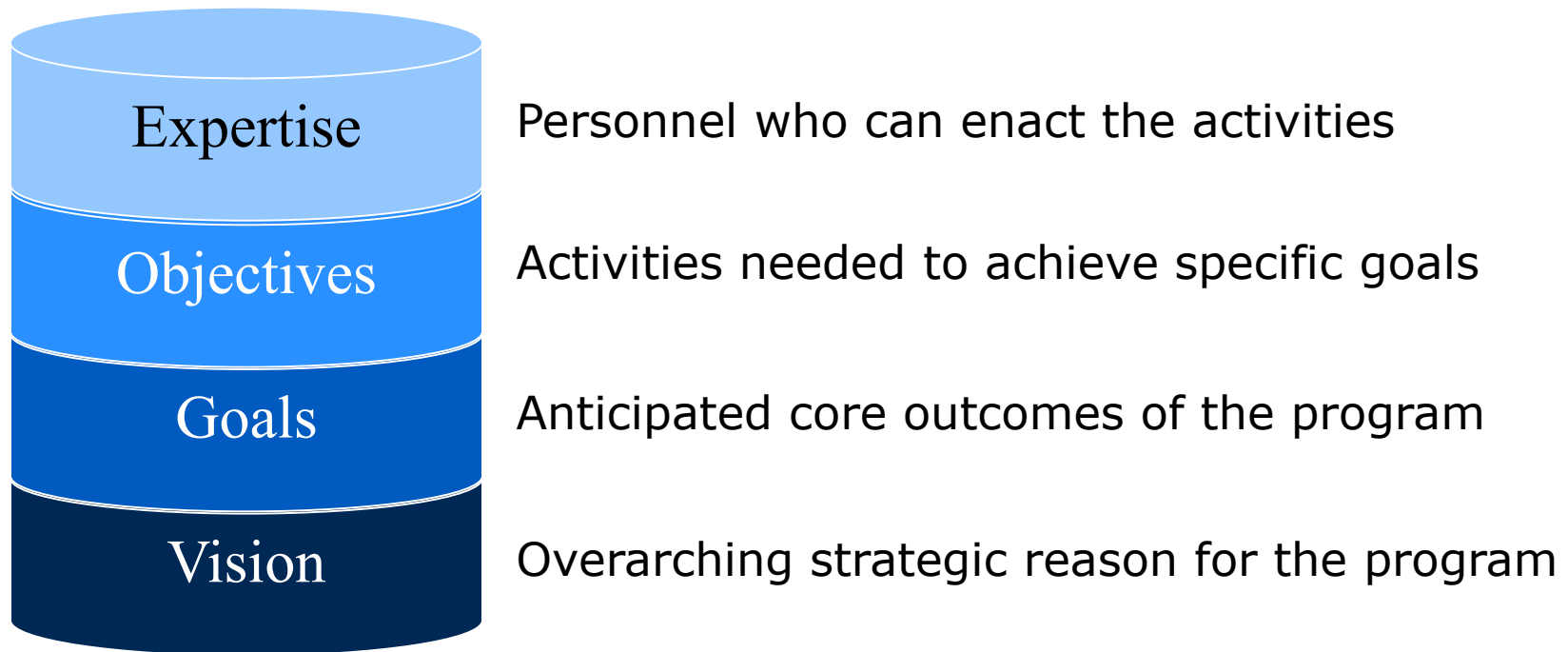
- Budget templates



Applying for a collaborative grant

Tools for developing a collaborative proposal

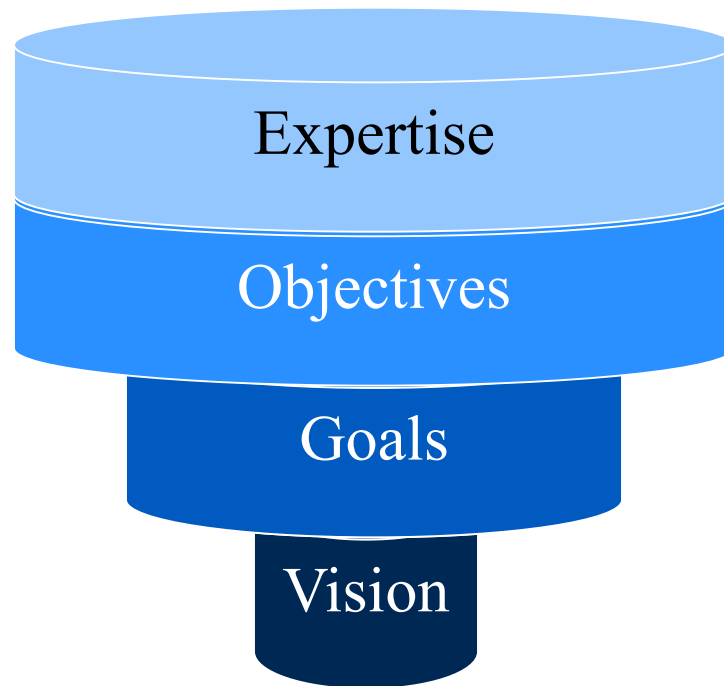
Developing and Articulating a Shared Vision



Applying for a collaborative grant

Tools for developing a collaborative proposal

Developing and Articulating a Shared Vision



Applying for a collaborative grant

Developing and Articulating a Shared Mission

Overview: The four paragraph format

Set the Stage—Lay Out the Problem



Who
Cares?

State the Theme and your Solution



Here's How

State your Specific Objectives

Create a Vision

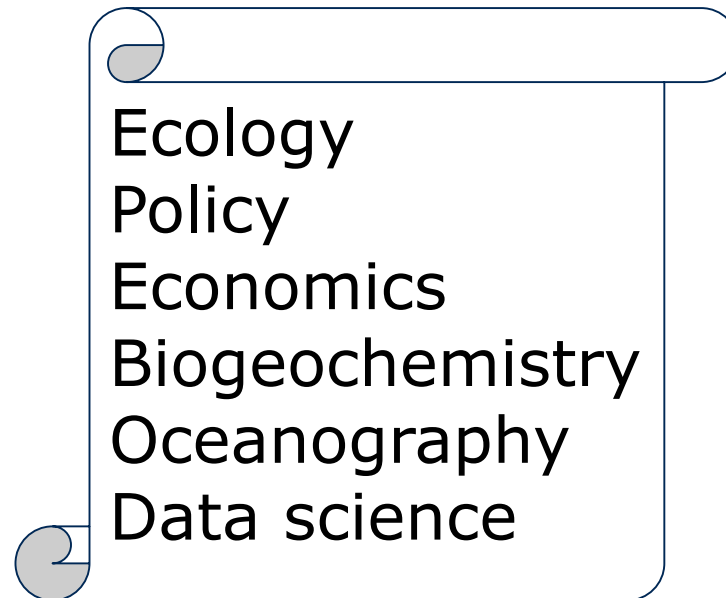


So What?

Applying for a collaborative grant

Tools for developing a collaborative proposal

Developing and Articulating a Shared Vision



Applying for a collaborative grant

Tools for developing a collaborative proposal

Developing and Articulating a Shared Vision

Vision: Transform the science that underpins decision-making in the management of natural resources

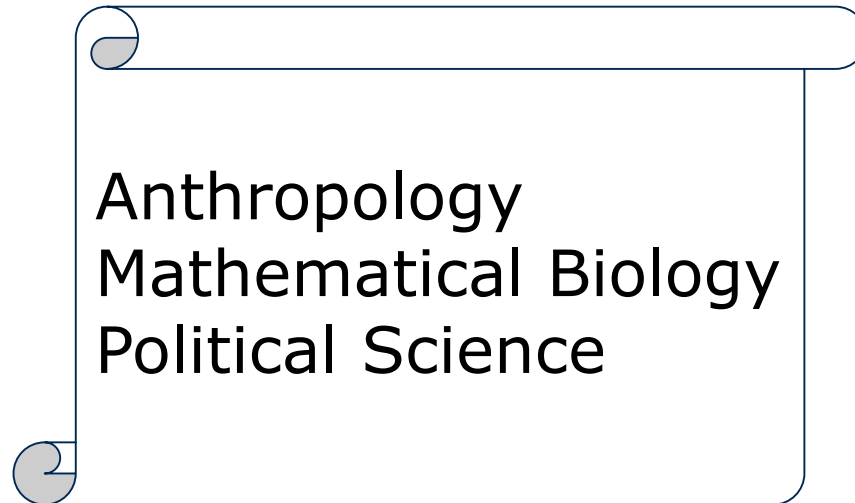
Goals: Generate use-inspired research questions by starting with the decisions facing policy makers, integrate complex data to inform decision-making, quantify the effects of anthropogenic change on marine systems

Objectives: (1) Train students in causal chain analysis; (2); train students to aggregate and integrate of data from multiple sources and scales (3) measure the effects of ocean acidification on coastal ecosystems

Applying for a collaborative grant

Tools for developing a collaborative proposal

Developing and Articulating a Shared Vision



Applying for a collaborative grant

Tools for developing a collaborative proposal

Developing and Articulating a Shared Vision

Vision: Mitigate environmental health risks in ways that are consistent with the cultural beliefs and practices of affected communities

Goals: Analyze environmental health risk among communities who harvest and consume mercury-contaminated fish to develop culturally appropriate interventions to reduce risk of mercury poisoning

Objectives: (1) Develop mathematical models of behavioral transmission in Hmong communities in the Sacramento Delta; (2) Use gamification to test hypotheses about the consequences of social learning strategies; (3) translate findings into recommendations for the Delta Environmental Health Partnership, which will develop new strategies for risk communication.

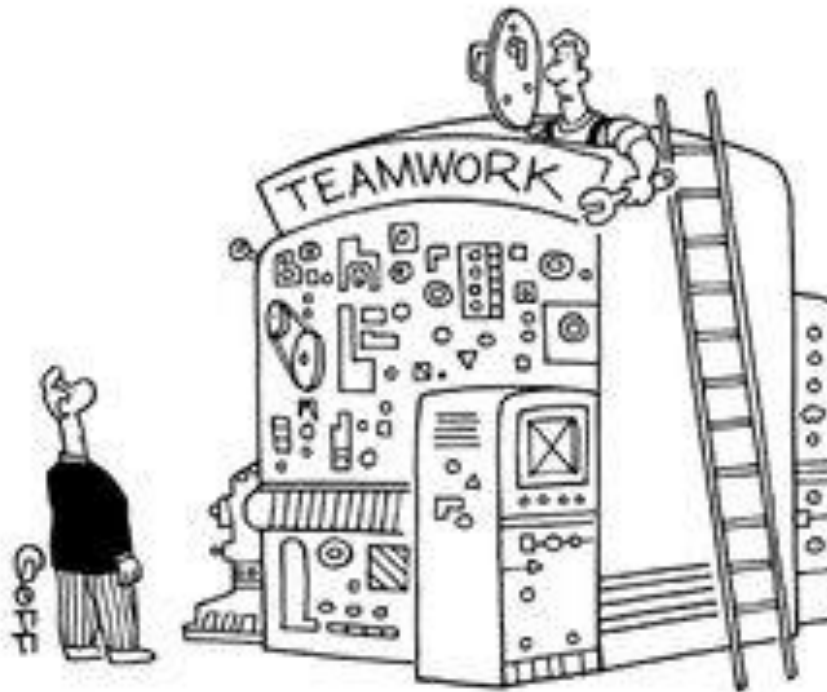
Applying for a collaborative grant

Questions



Managing a Long-term Collaborative Project

Your proposal was funded – HOORAY!
Be careful what you wish for



"There are some egos in here
gumming it up."

Managing a Long-term Collaborative Project

Characteristics of Successful Collaborative Teams

Project Aristotle: What makes the perfect team?

Studied groups of people who work together –
measured and counted everything they could think of

Individuals: Characteristics

- The most productive employees tend to build larger networks by rotating dining companions
- The most productive managers had good communication skills and avoided micromanaging



The New York Times Magazine

Managing a Long-term Collaborative Project

Characteristics of Successful Collaborative Teams

Project Aristotle: What makes the perfect team?

Groups: Things that didn't matter

- Mixture of people: Specific mixture of personalities (introvert/extrovert), shared hobbies, same station in life or work, level of hierarchy in the group
- Structure of group: Strong leader, group consensus
- Conversation-style: collegial vs. business-like



The New York Times Magazine

Managing a Long-term Collaborative Project

Characteristics of Successful Collaborative Teams

Project Aristotle: What makes the perfect team?

Groups: Things that did matter

- Group norms
 - All individuals spoke in roughly the same proportion
 - All good teams had high “average social sensitivity” and acted on it
- Why?
 - Individual value leads to accountability and productivity
 - Safe for interpersonal risk-taking



The New York Times Magazine

Managing a Long-term Collaborative Project

Characteristics of a good leader

- Listening, Inclusiveness
- Delegation
- Morality – doing what is right for overall good
- Decisiveness
- Accountability, Honesty
- Optimism

HOW DO YOU KNOW YOU'VE BECOME A TRUE LEADER?

1. YOU DON'T TRY TO BE RIGHT; YOU TRY TO BE CLEAR.

2. YOU TRY NOT TO HAVE THE LAST WORD.

3. YOU NO LONGER TRY TO SHOW THAT IT WAS YOUR IDEA. YOU EMPOWER OTHER PEOPLE TO OWN THE IDEA.

Managing a Long-term Collaborative Project

Common pitfalls of a leader

- Indecision, or the opposite, Micromanaging
- Poor communication
 - Unclear goals or expectations
 - Limited or delayed communication
 - Not keeping a record of communications/ collaborations
- Lack of Oversight
 - your collaborators mistakes (or worse yet, ethical lapses) are your mistakes
 - Data sharing and compliance (if one person is working with human subjects, everyone should have the training just to be safe)

Managing a Long-term Collaborative Project

HERE'S HOW:

Managing a Long-term Collaborative Project



Dropbox

box



ADOBE CONNECT



Basecamp

Managing a Long-term Collaborative Project

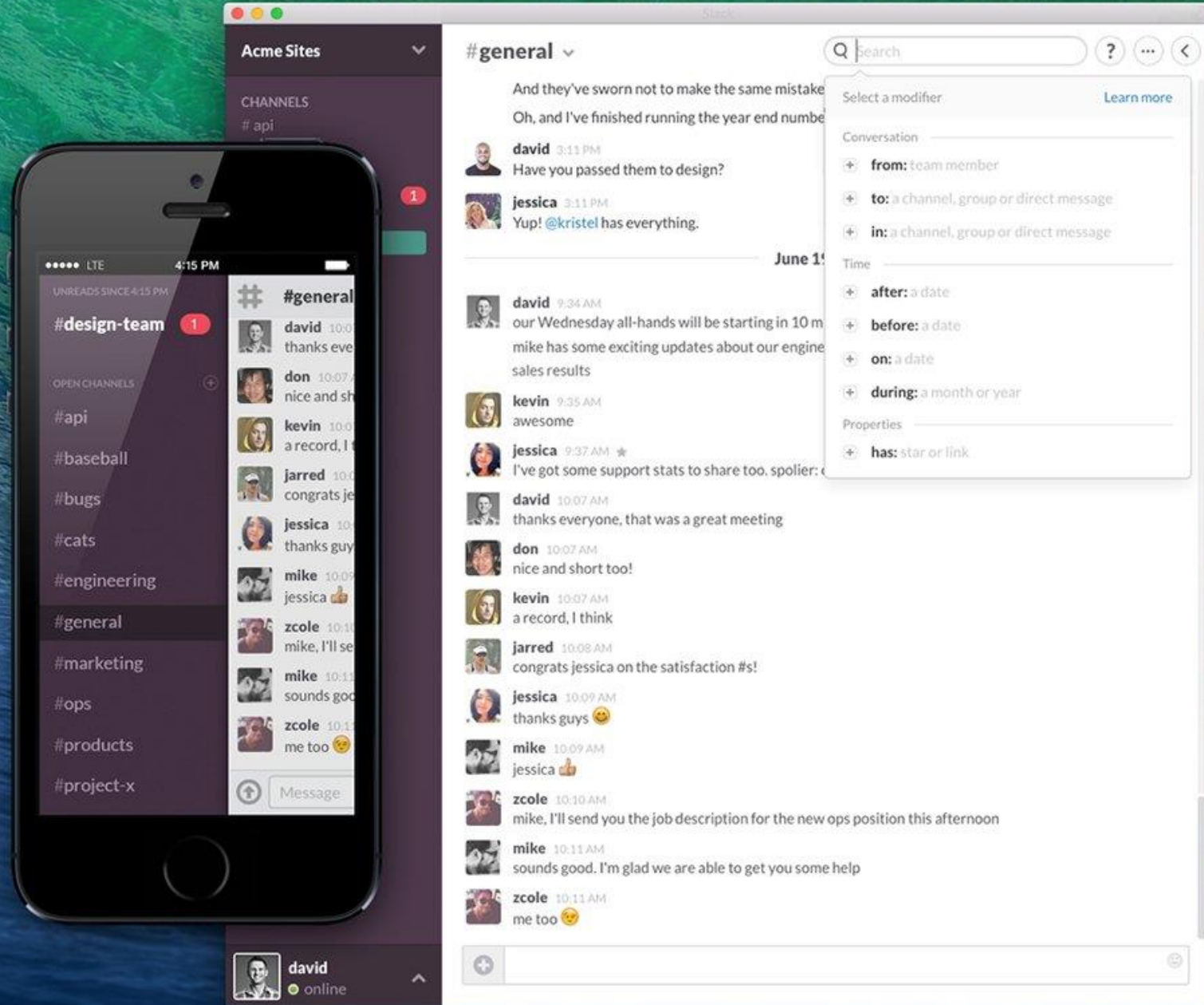
On-line collaboration tools

- File-sharing, content management
 - Good for sharing and archiving documents
 - Some are better than others for version control
 - *Limitations:* Not much room for discussion
- Discussion and dialog
 - Allows for conversation on certain topics
 - Conversations can take place anytime, anywhere
 - *Limitations:* Must remember to check another website
- Meeting facilitation
 - Allows for face-to-face conversation
 - Some permit screen-sharing, voting, Q&A
 - *Limitations:* Multitasking during meetings, audio feedback

Managing a Long-term Collaborative Project


On-line collaboration tools








- Ability to create multiple groups, one for each project, with each one linked to a different set of documents (via Box.com, Dropbox, Google docs, etc.)
- Not just a message board, also file sharing, calendars, and ability to host (and archive) conference calls including video
- Also linked to other academic boards and topics so that the generic “newsfeeds” are on academic topics, not social ones



Post

300 left



Tips for Getting Started in the C4Sci group(s)


08 Dec, 2015 | Last edited: 02 Jun, 2016

Welcome to the C4Sci family of groups on Trellis! I'm reposting an updated version of this announcement as a reminder about how to get started. I look forward to learning how each of you are working with scientific communities online and off!

Any questions, do get in touch: lwoodley@aaas.org

Read more

ANNOUNCEMENT



Gabrielle Rabinowitz posted a new event in C4Sci - Communities For Science Communication

3 hours ago

The "Toolbox" Project virtual workshop for Trellis members

We recently featured [Stephanie Vasko](#) and [Michael O'Rourke](#) of the "Toolbox" project in our first C4Sci Mini Master Class. You can catch up on the discussion here:

C4Sci Mini Master Class #1: The "Toolbox" Project

1 Attendee

0 Votes

0 Comments

4 Followers

Topics: research collaboration, The Toolbox Project, Virtual workshop

Upvote

Follow

Attend

Maybe

No

Search This Group

C4Sci - Communities For Science Communication

This is a group for anyone interested in - or involved with - working with (online) communities for science projects. You might already be an admin of a group on Trellis and/or using other social media platforms such as Twitter and Facebook to build and maintain scientific communities. Or perhaps you're a researcher studying online communities or a technologist building new tools. All welcome!

This group will provide a place to share tips and information about new tools and

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Open Science Framework

A scholarly commons to connect the entire research cycle



The OSF Connects Services You Already Us





COS Reproducibility Workshops

Public

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Date created: 2016-01-04 01:59 PM | Last Updated: 2016-05-10 12:22 PM

Category: Project

Description:

These are materials used for the workshop for increasing openness and reproducibility in quantitative research held at the University of Pittsburgh, NYU, and Columbia University in February, 2016

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Wiki



Here are relevant links and information for the openness and reproducibility workshop:

[Powerpoint presentation given at workshop \(PDF version\)](#)

[Curriculum](#) used for the OSF portion of the workshop

The workshop is part of the [Statistical & Methodological Consulting](#) offered through the Center for Open Science.

- [Link](#) to additional online materials, including an [OSF 101 webinar](#).

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Managing a Long-term Collaborative Project

On-line collaboration tools

	Pros	Cons
Slack	<ul style="list-style-type: none"> • Easy to create multiple channels for many different projects • File sharing via drag and drop • All devices are linked • Notifications from other apps 	<ul style="list-style-type: none"> • Not intended as an organization system for file sharing • Designed for business, not academics
Trellis	<ul style="list-style-type: none"> • Easy to create multiple message boards for many different projects • Developed and maintained by AAAS for an academic audience • Library feature for file sharing 	<ul style="list-style-type: none"> • Not well linked to other apps • Collaborators must be faculty at universities who are granted access by AAAS
Open Science Framework	<ul style="list-style-type: none"> • Excellent for data sharing, especially for projects that require reproducibility • Developed for an academic audience 	<ul style="list-style-type: none"> • Clunky when it comes to making only certain elements private • Not well linked to other apps

Managing a Long-term Collaborative Project

Pitfalls of on-line collaboration tools

- Must be actively managed
 - Must remember to check websites regularly
 - Email notifications of changes/updates
 - Different projects may use different platforms
 - Version control differs among projects
 - Controlling access
- Unreliability
 - If a server or connection fails close to the deadline...
 - Sites may not be secure enough to prevent IP issues
- Other pitfalls?

Managing a Long-term Collaborative Project

Run a successful meeting – the importance of face-to face communication

Build relationships

Interpret Reactions

Direct contact creates a sense of shared experience that makes people feel more comfortable with one another and allows them to do better work.

Meeting in person helps collaborators feel valued and gives them a chance to contribute input to organizational strategies and communication. It gives the leader a chance to confirm people's understanding of key issues and identify gaps

Immediate Response

Take risks

Accountability

One study at UCLA indicated that the impact of a performance was determined 7 percent by the words used, 38 percent by voice quality, and 55 percent by the nonverbal communication.

When a manager chooses to inform employees of unpleasant news through email it makes him appear cowardly.

Managing a Long-term Collaborative Project

Run a successful meeting



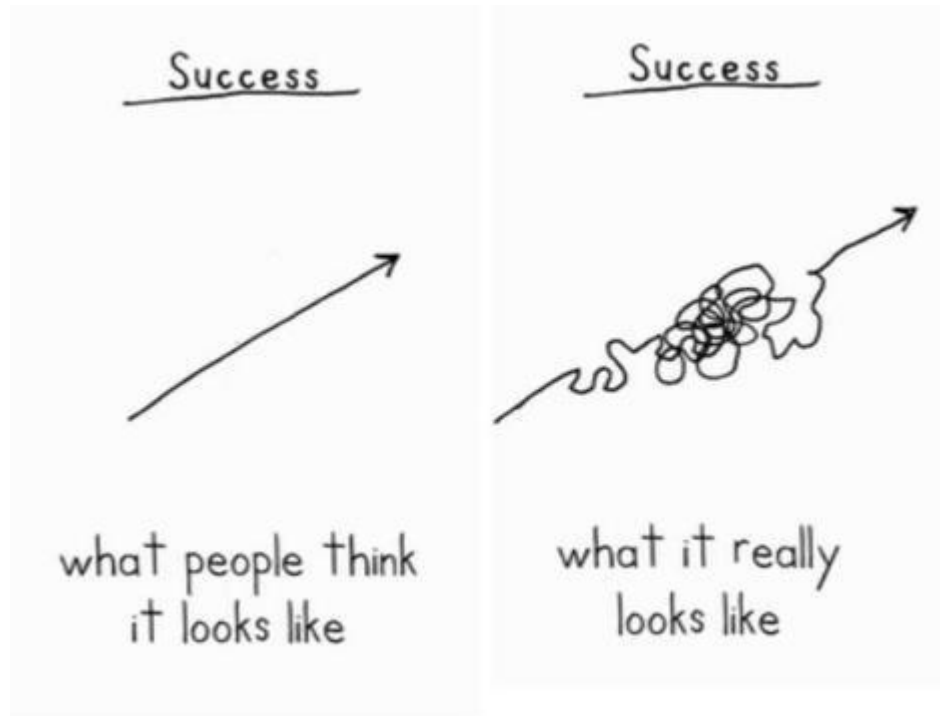
Managing a Long-term Collaborative Project

Run a successful meeting

- Start on time, end on time
- Hand out an agenda in advance of the meeting
 - Meeting objective
 - Schedule
 - Action Items
- Give everyone the opportunity to speak
 - What do you want to get out of the meeting? (write this on board)
 - What will you work on when we leave this meeting?
- Stick to the schedule, and summarize the conversation at the end of each time period



Managing a Long-term Collaborative Project



Managing a Long-term Collaborative Project

Questions



Other things you can do

More on collaboration...

- For compliance and regulatory issues related to research collaborations, take the RCR Course “Collaborative Research”
 - October 19th from 12:00 – 1:00
 - Genome Center 1005; broadcast to Med Ed Bldg 1222
- Attend the Science of Team Science Conference
 - June 12-15, 2017 in Clearwater Beach, FL
 - <http://www.scienceofteams science.org/>
- Attend the ADVANCE Brown Bag Seminar: The Art and Craft of Team Science
 - April 19, 2017, 12:30-1:30 pm, 1100 Surge III (The Grove)



Contact information:

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