



NSF ERC ILO Biobook, Resource Repositories, & Communications

KARA BAKER, RENUWIT

ADAM CURRY, ASSIST

SCOTT RANSOM, CNT

CYNTHIA SUNDELL, CMAT

Agenda

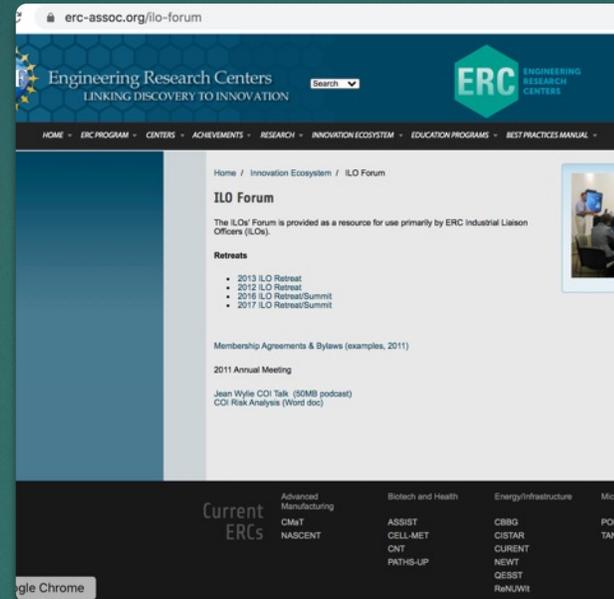
NSF ERC ILO

BioBook



Last updated: 20 April 2020

NSF ERC ILO Biobook



Resource Repositories



Communications

- NSF ERC ILO BioBook
 - Current ILOs
 - Kara Baker - ReNUWit
 - Adam Curry - ASSIST
 - Ernest Davis - NEWT
 - Owen Doyle - POETS
 - Thomas Dudley - CELL-MET
 - Chris Finberg - PATHS-UP
 - Schaffer Grimm - TANMS
 - Peter Keeling - CISTAR & CBiRC
 - John Mitchell - QESST
 - Scott Ransom - CNT
 - Cynthia Sundell - CMaT
 - Former ILOs
 - Ken Dulaney - FREEDM

NSF ERC ILO

BioBook



Last updated: 2 July 2020

BioBook

Biobook

NSF ERC ILO

BioBook



Last updated: 2 July 2020



ReNUWit
Re-inventing the Nation's
URBAN WATER
INFRASTRUCTURE

ERC PROFILE
Lead Institution:
Stanford University, Stanford, CA
Core Partner Institutions:
University of California Berkeley,
Berkeley, CA
Colorado School of Mines, Golden,
CO
New Mexico State University, Las
Cruces, NM
Center Domain:
Energy, Sustainability, and
Infrastructure
ERC Cohort:
Year 9; GEN3

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ERC WEBSITE:
<http://renewit.org/>

KARA BAKER
ReNUWIT



WORK EXPERIENCE
Years of the ERC
Began working as the Research & Industrial Liaison Officer (RILO) with ReNUWit in Fall 2018.
Previous Relevant Experience
Worked for two years as the Food-Water Security Program Manager in the Stanford School of Earth, Energy and Environmental Sciences. In that role, I coordinated grant proposals that often included industry partners as well as field work alongside industry partners.
Expertise

- ILO Role within ERC
- IAS Management
- Site Visit & Annual Report
- Diversity & Inclusion

Responsibilities of Your ERC

- Newsletter
- Website
- Annual Report
- Research program administration
- Perfect Pitch coach
- Student/postdoc research video competition

Topic of Specialty
water resources, wastewater, water reuse, urban infrastructure, stormwater management, resilience, resource recovery, green infrastructure, Sustainable Groundwater Management Act (SGMA), NEPA/CEQA

EDUCATION
B.A. Environmental Sciences and Political Science, Northwestern University
M.S. Environmental Engineering, Stanford University



ERC PROFILE
Lead Institution:
NC State University, Raleigh, NC
Core Partner Institutions:
University of Virginia, Charlottesville,
VA
Penn State University, University Park,
PA
Florida International University, Miami,
FL
Center Domain: Biotech and Health
ERC Cohort: Year 8; GEN3

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assistcenter.org

ADAM CURRY
ASSIST Center



WORK EXPERIENCE
Years of the ERC
Joined ASSIST in Nov 2018
Previous Relevant Experience
Previous experience was in scientific research in industry
Expertise

- List the SME categories relevant to you (select from list below):
 - o ILO Role within ERC; IP and Tech Transfer; Entrepreneurship

Responsibilities of Your ERC

- List the responsibilities appropriate for you:
 - o Annual Report; technology commercialization; Entrepreneurship; Recruiting; Industry-sponsored research

Topic of Specialty
Wearable devices, Smart devices, IoT, Medical devices and instrumentation, Energy harvesting

EDUCATION
B.S. Mechanical Engineering, NCSU
M.S. Mechanical Engineering, NCSU
Ph.D. Biomedical Engineering, Duke University

Biobook

- ▶ 12 Bios included to date
- ▶ Template available for new and retired ILOs who would like to participate
- ▶ Searchable PDF



ReNUWit
Re-inventing the Nation's
**URBAN WATER
INFRASTRUCTURE**

ERC PROFILE

Lead Institution:
e.g., Stanford University, Stanford, CA

Core Partner Institutions:
(e.g., University of California Berkeley,
Berkeley, CA

Colorado School of Mines, Golden,
CO

New Mexico State University, Las
Cruces, NM)

Center Domain: [select Advanced
Manufacturing; Biotech and Health;
Energy/Infrastructure; OR
Microelectronics and IT]

ERC Cohort: (e.g., Year 9; GEN3)

CONTACT

PHONE:
XXX-XXX-XXXX

EMAIL:
someone@example.com

LinkedIn:
Your LinkedIn page URL goes here

ERC WEBSITE:
Center website URL goes here

YOUR NAME
Center Name



WORK EXPERIENCE

Years at the ERC

State the number of years you have been working for your ERC, or any other ERCs

Previous Relevant Experience

Describe previous on-campus experience with industry partners

Expertise

- List the SME categories relevant to you (select from list below):
 - o ILO Role within ERC; IAB Management; IP and Tech Transfer; Site Visit & Annual Report; Entrepreneurship; Marketing and Communications; Diversity & Inclusion; Sustainability

Responsibilities at Your ERC

- List the responsibilities appropriate for you (select from list below):
 - o social media; communications; newsletter; website; Annual Report; finance; technology commercialization; entrepreneurship; other/write in

Topic of Specialty

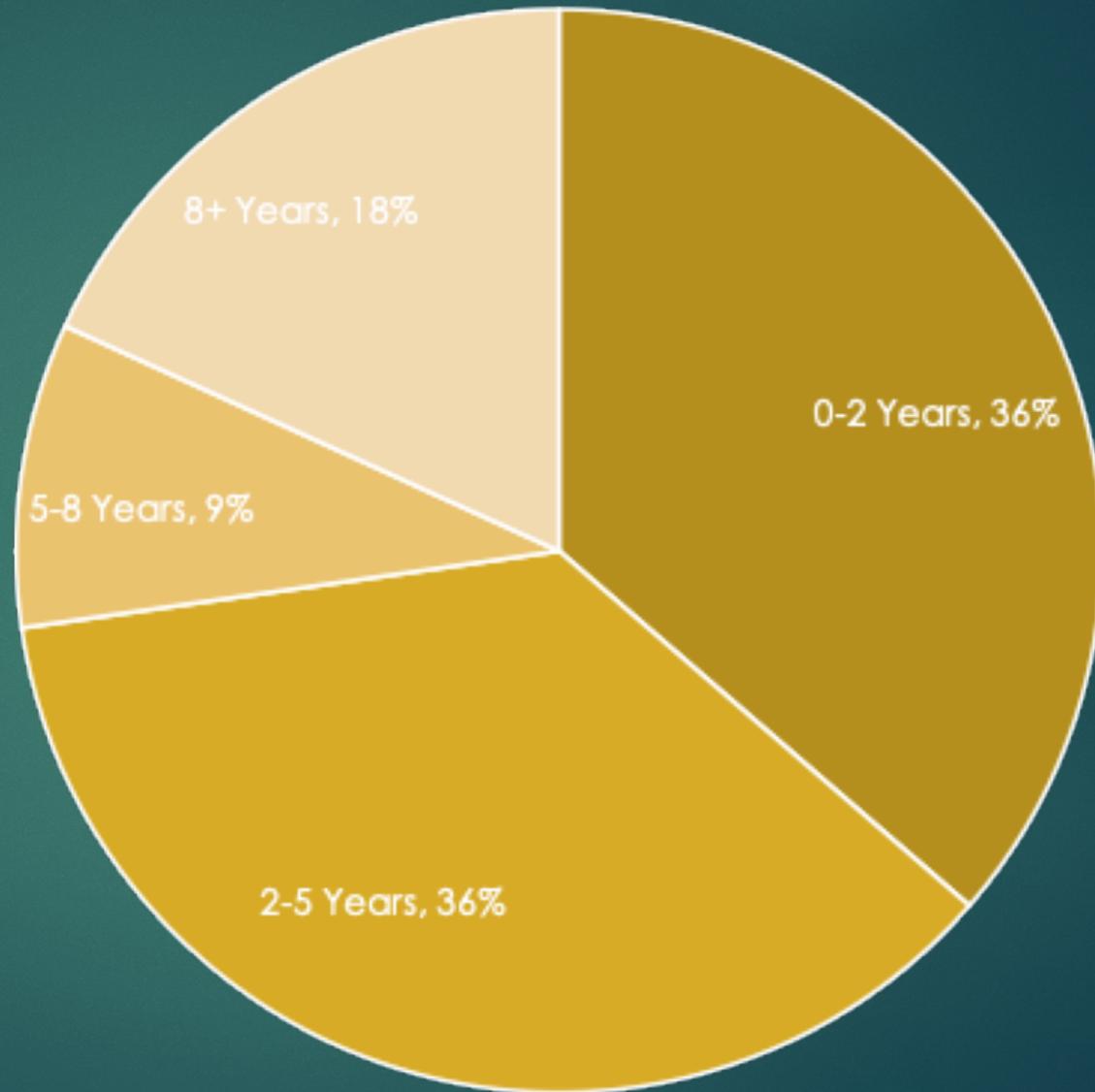
Describe topics of specialty (e.g., water resources, wastewater, water reuse, urban infrastructure, stormwater management, resilience, resource recovery, green infrastructure, Sustainable Groundwater Management Act (SGMA), NEPA/CEQA)

EDUCATION

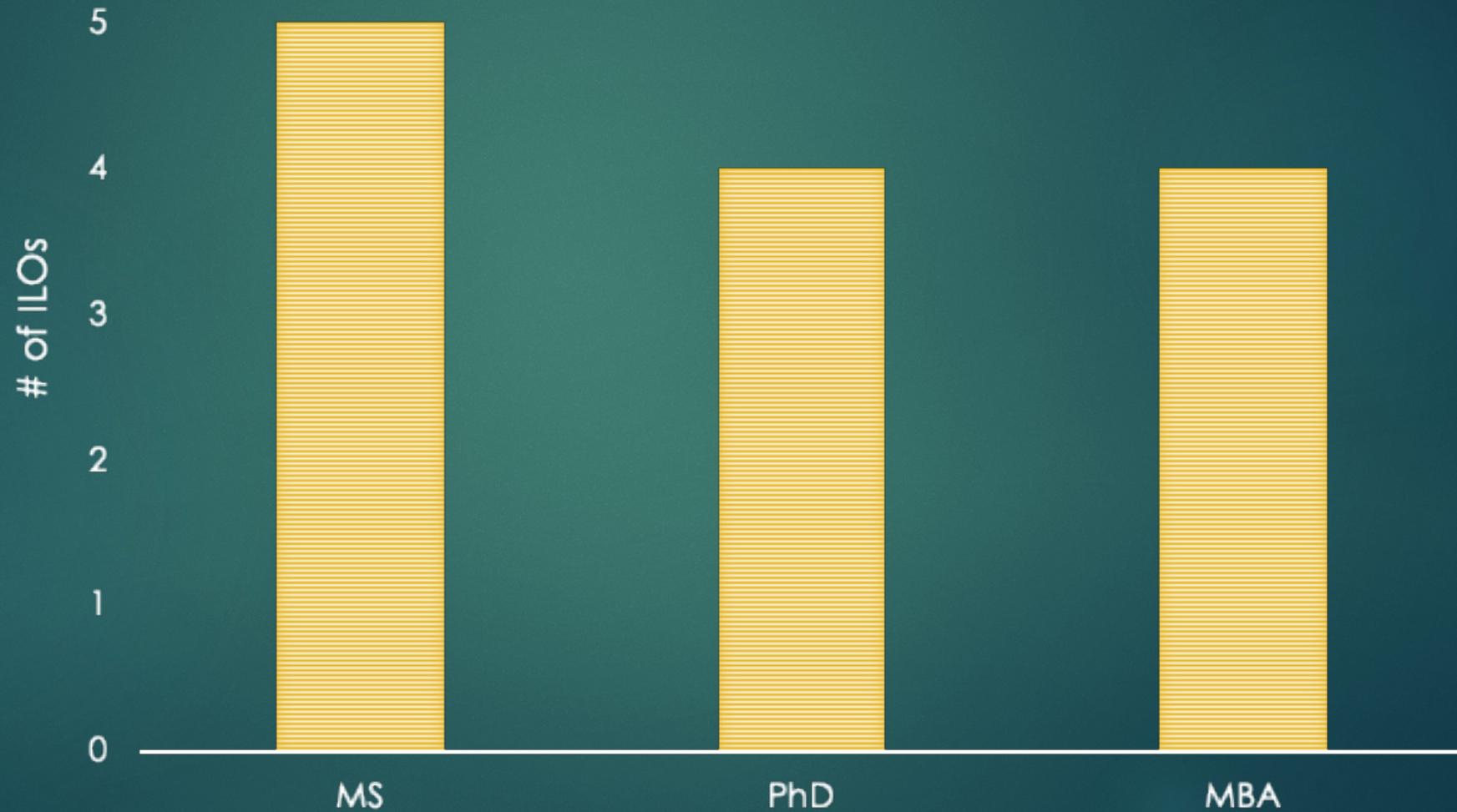
e.g., B.A. Environmental Sciences and Political Science, Northwestern University

M.S. Environmental Engineering, Stanford University

ILO Retention



ILO Qualifications



The screenshot shows the NSF Engineering Research Centers website. The header includes the NSF logo, the text "Engineering Research Centers LINKING DISCOVERY TO INNOVATION", a search bar, and the ERC logo. A navigation menu lists: HOME, ERC PROGRAM, CENTERS, ACHIEVEMENTS, RESEARCH, INNOVATION ECOSYSTEM, EDUCATION PROGRAMS, and BEST PRACTICES MANUAL. The main content area is titled "Home / Innovation Ecosystem / ILO Forum" and "ILO Forum". It states: "The ILOs' Forum is provided as a resource for use primarily by ERC Industrial Liaison Officers (ILOs)." Under the heading "Retreats", there is a bulleted list: "2013 ILO Retreat", "2012 ILO Retreat", "2016 ILO Retreat/Summit", and "2017 ILO Retreat/Summit". Other links include "Membership Agreements & Bylaws (examples, 2011)", "2011 Annual Meeting", "Jean Wylie COI Talk (50MB podcast)", and "COI Risk Analysis (Word doc)". A photograph of a meeting is also visible.



Resource Repositories

Public ILO Resource Repository

- ▶ <https://erc-assoc.org/ilo-forum>
- ▶ Information is organized by ILO Summit meeting date
- ▶ Currently no linkage to additional ERC website resources

Home / Innovation Ecosystem / ILO Forum

ILO Forum

The ILOs' Forum is provided as a resource for use primarily by ERC Industrial Liaison Officers (ILOs).

Retreats

- 2013 ILO Retreat
- 2012 ILO Retreat
- 2016 ILO Retreat/Summit
- 2017 ILO Retreat/Summit

Membership Agreements & Bylaws (examples, 2011)

2011 Annual Meeting

Jean Wylie COI Talk (50MB podcast)
COI Risk Analysis (Word doc)

Home / 2013 ILO Retreat

2013 ILO Retreat

Retreat Report
Membership Agreements

Presentations

- Building a Sustainability Plan - CIAN
- CSU Lab Tour - EUV
- Best Practices Manual Chapter Update - Elysium Holdings
- View from a Graduated Center - Erik Sander
- Value of Conferences and Trade Shows - CURENT
- Recruiting and Retaining Industry Members - CSNE, CBiRC
- IP Strategies - QESST
- Recruiting and Retaining - CBiRC
- Questions for NSF
- Industry Communications - QoLT
- The role of the Sustainability Director - CCEFP
- Role of the IAB - SynBERC
- Role of the ILO
- The EUV ERC Sustainability Plan

Public ILO Resource Repository – Suggested Modifications

- ▶ Cross-link to other pages of interest
 - ▶ Perfect Pitch materials
 - ▶ Chapter 5 of Best Practices Manual
 - ▶ Deborah Jackson’s Innovation Ecosystem White Paper
- ▶ Organizing materials by topic

Marketing/Communications			
Talk Title	ERC	Presenter	Year
Marketing and Communications: Forming a Strategic Plan	CNT	Wayne Gilam	2016
ERC ILO Retreat 2016	University of Florida, Florida Engineering Experiment Station	Erik Sander	2016
IAB Management			
Talk Title	ERC	Presenter	Year
Recruiting and Retaining	CBiRC	Peter Keeling	2016
Creating Connections for our Industry Partners	ASU/QEEST	John Mitchell	2016
IAB Retention & Recruitment	TANMS	Tom Normand	2016
Industry Engagement	CNT	Scott Ransom	2016
Recruiting and Retaining New Members at NSF ERCs	ASSIST	R. Casey Boutwell	2017
Recruiting and Retaining	CBiRC	Peter Keeling	2017
Introduction to a Specific ERC			
Talk Title	ERC	Presenter	Year
How does nature do it? CBBG	CBBG	Nasser Hamdan	2016
NSF Engineering Research Center - CBiRC	CBiRC	Peter Keeling	2016
CIAN - Center for Integrated Access Networks	CIAN	Nasser Hamdan	2016

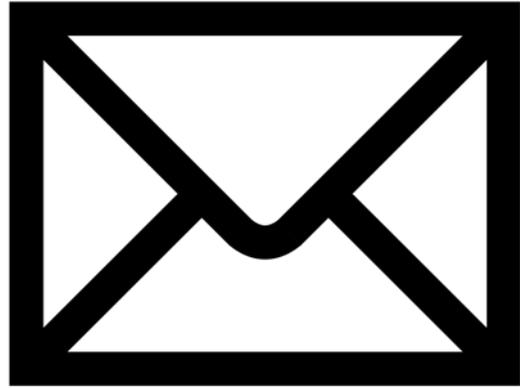
Private ILO Resource Repository

- ▶ Guidance
- ▶ Examples
- ▶ Non-public content

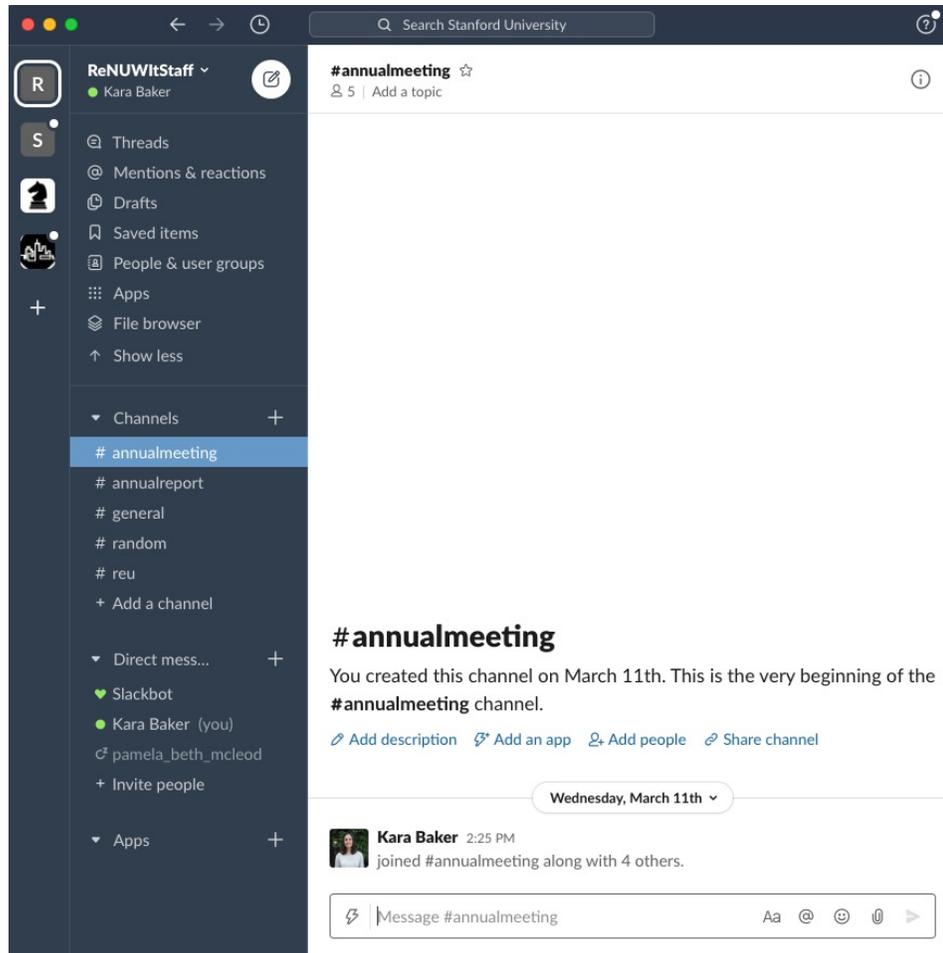


The screenshot shows the Dropbox web interface. At the top, there is a navigation bar with the Dropbox logo and a search bar. Below the navigation bar, there is a notification banner that reads "Your plan just got an upgrade. View announcement or explore new features". The main content area displays a list of folders and files. The left sidebar contains navigation options: Home, Files, Shared, File requests, and Deleted files. A modal dialog box is open, prompting the user to "Use the Dropbox app on your phone to save your files and folders for offline access." with a "Get mobile app" button. The file list includes folders like Documents, imports, INFEWS 2018, Music, Outlook Files, ParkCity 12...17 holiday, Pictures, and Scans.

Name	Modified	Members	
Documents	--	Only you	...
imports	--	Only you	...
INFEWS 2018	--	17 membe...	...
Music	--	Only you	...
Outlook Files	--	Only you	...
ParkCity 12...17 holiday	--	2 members	...
Pictures	--	Only you	...
Scans	--	Only you	...



Communications



Casual Communications