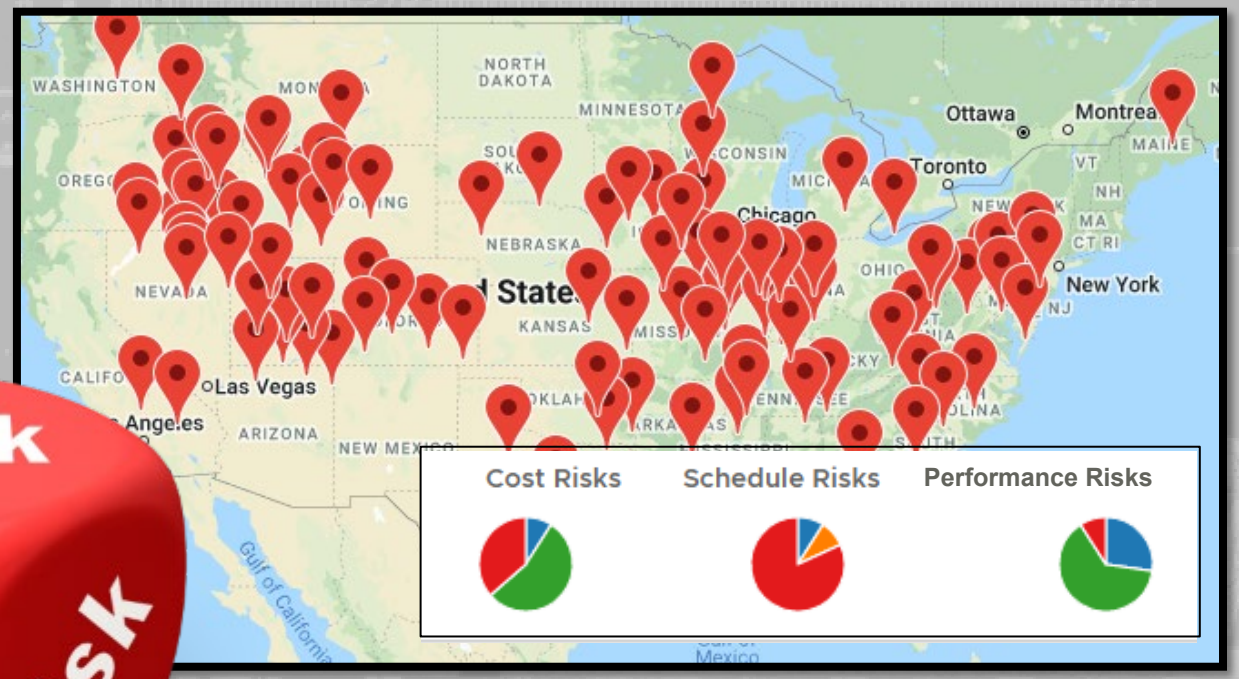
E-RISK REGISTER SNEAK PEAK – COMING JAN 2023

Presentation by:
Erin Rooks, IWR

HQ Champion:
Andrea Bias-Streat, HQ

Date: 15 December 2022



Project Milestone	Cost Risk	Schedule Risk	Performance Risk
Project Initiation			
Construction Contract Award			
Tentatively Selected Plan			

U.S.ARMY

US Army Corps of Engineers®

IWR

HOW FAMILIAR ARE YOU WITH THE PLANNING RISK REGISTER IN APT?

Have not used	Familiar, Used Occasionally	Comfortable Using

OBJECTIVES FOR BRIEFING

- Understand the purpose and function of e-Risk Register (ERR) and how APT is now the ERR and integration
- Key Methodology
- Help and Getting Started
- Key Features and Demo

Acknowledgements

Andrea Bias-Streat
Deputy PPM CoP

Erin Rooks
IWR

Rachel Grandpre
IWR

Kim Townsend
HQ Planning

Mike Jacobs
Cost Eng. MCX

Kenny Simmons
HQ Chief of Const.

CoP, Program & Other Collaborators:

- Planning, Engineering & Construction, Programs and Project Management, Military Programs, QMS, Knowledge Management
- Representatives from District, MSCs, HQ
- Cost Engineering MCX
- Joint Risk Register PDT and testers, and many more!

<u>Not Pictured:</u>
Mukesh Kumar, Scott Desomber, Tracy Leeser HQ Cost Engineering, Sara O'Connell, IWR

Ms. Stacey Brown, Mr. Bush, Mr. Lee, Mr. Perez, and so many more!

E-RISK REGISTER PURPOSE

Provide PDTs and the vertical team a high-quality tool to better assess, manage and view all risks in a consistent and integrated manner across project lifecycles and all USACE.

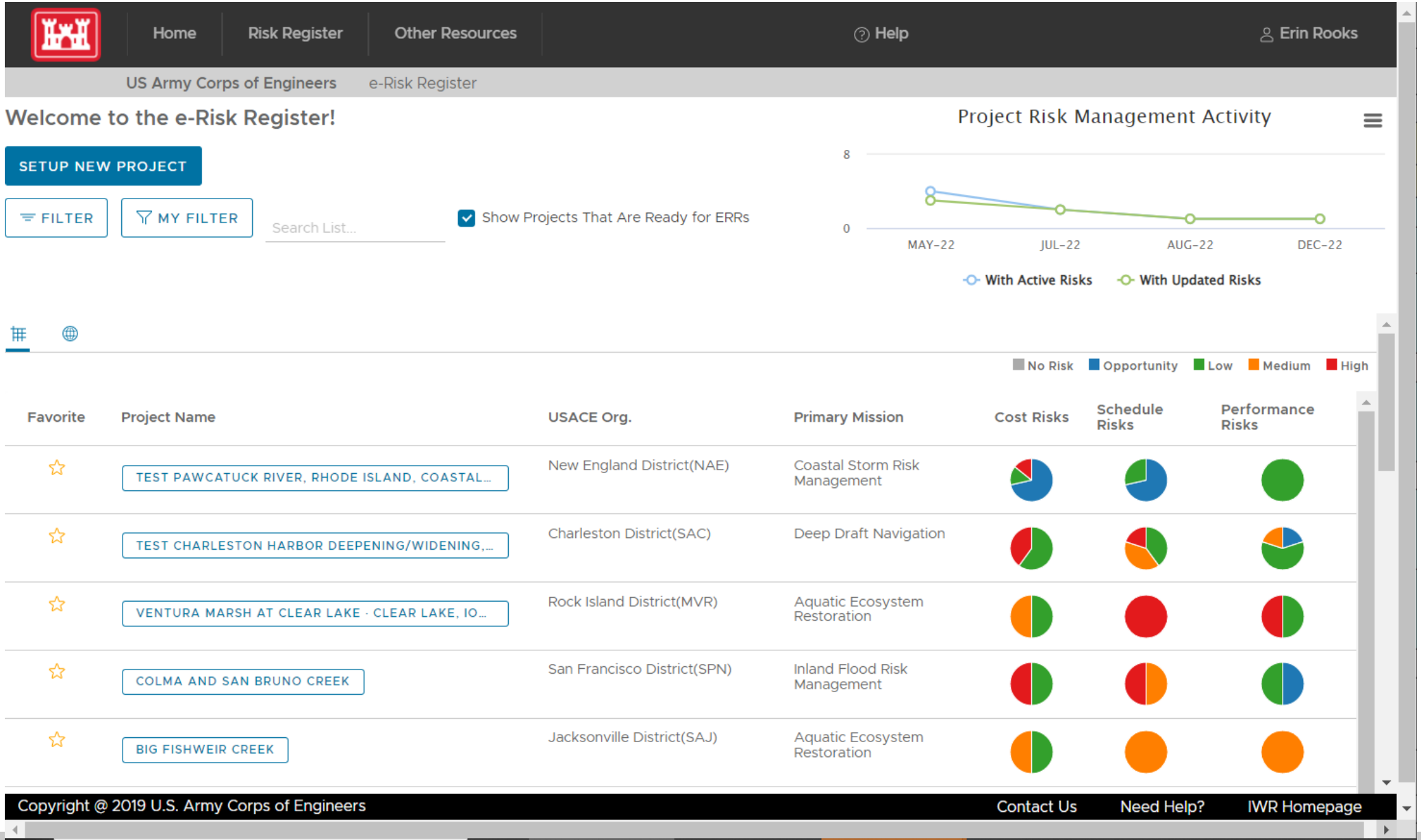
TARGET USERS

- Accessible for all USACE in online platform;
- Targeted for Civil Works from the planning through construction phases; Mil. Programs TBD
- Primary CoPs: Planning; Programs and Project Management, Engineering and Construction;
- SES Champions: Mr. Bush, Mr. Perez, PID Leadership, DCW

Expected Outcome from Enterprise Risk Register

Enable improved and more consistent risk-informed decisions for project delivery across project lifecycles, portfolios, & programs

PHASED ROLLOUT JAN. 2023 STARTING WITH PLANNING – LOOK FOR EMAIL ANNOUNCEMENT



PHASED ROLLOUT PLAN

Phase 1: Incremental Rollout

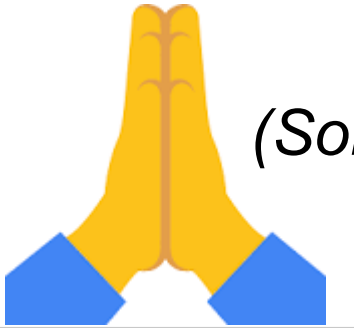
- **15 Dec 2022:** PCoP Rollout, transition current users to new system
- **Winter 2022/2023**: Baseline Rollout to Jacksonville, New Orleans, and Kansas City Districts for PPM, Planning, E&C
- **Early 2023**: Expand to 1-2 MSCs (tentatively SAD & MVD)

Phase 2: Rollout for All Civil Works Districts

- Baseline Tool Rollout
- Add Cost & Schedule Risk Analysis (CSRA) Integration, Report Summary, and New Decision Log

HEAD'S UP

The Planning Risk Register DOES NOT transfer into the e-Risk Register



(Sorry and thank you for your patience)

WHAT WE LOVE ABOUT THE E-RISK REGISTER!!!

Planning thru Construction Lifecycle Risk Register

Standardized Template with Help Features

Slice & Dice the filters to your own delight

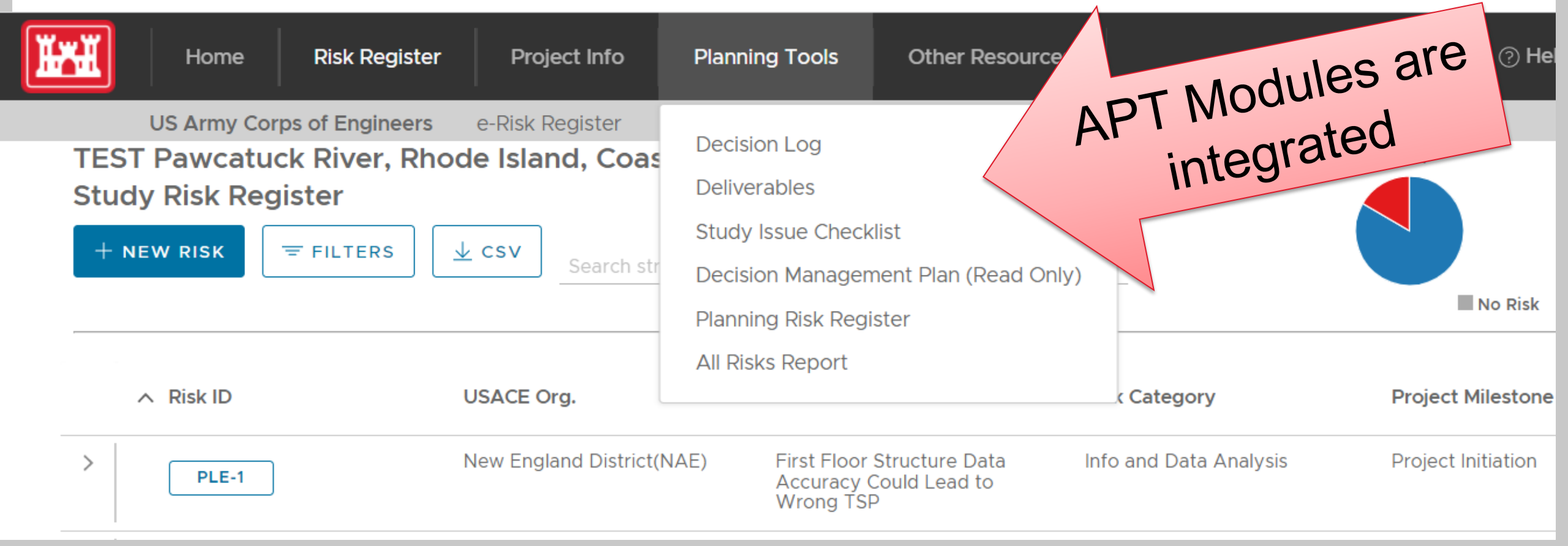
CAC-Card Enabled – No More Passwords

Top Tool Benefits

1. Encourages **accountability, consistency**, and high quality**, risk-informed decisions**.
2. Find, favorite, search and learn!
3. Transparency and online collaboration across PDT and vertical team.
4. *"Latest and greatest"* risk register template. No version issues!
5. *"Just-in-time"* risk register help

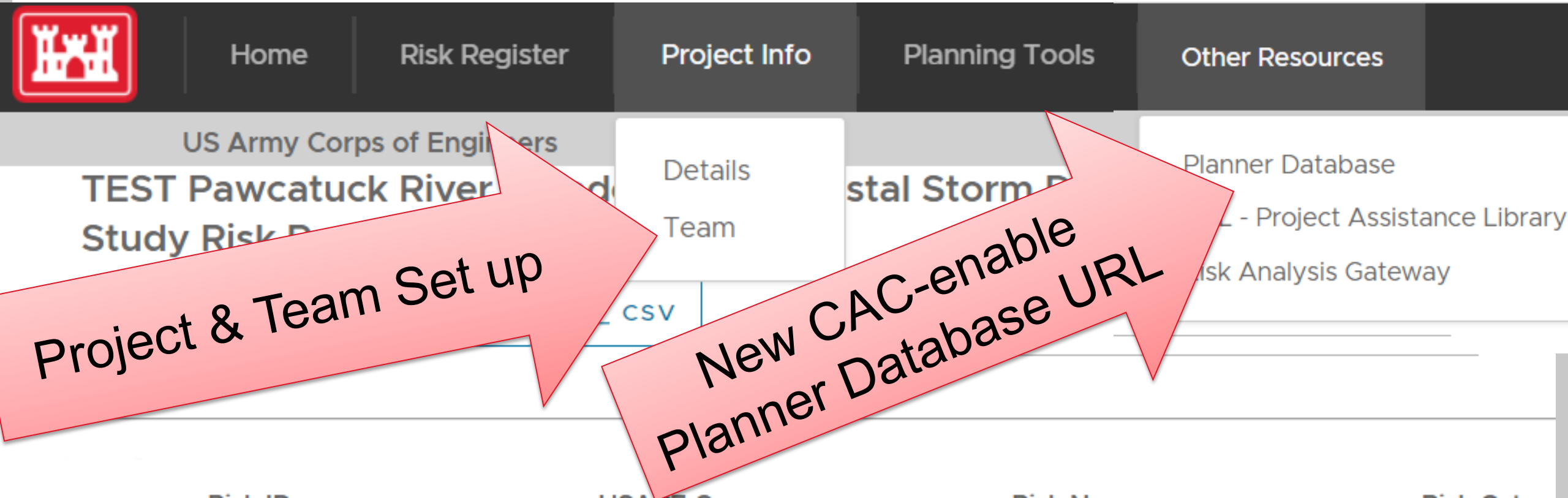
APT IS NOW ERR

- Assistance for Project Teams (APT) tools is the e-Risk Register.
- Past APT data will be moved to new tool.
- New visualizations, custom filters and reports



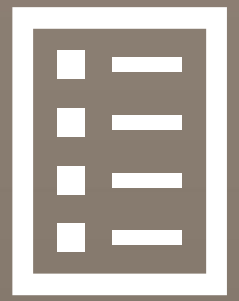
SUBTLE CHANGES IN MENU ITEMS & MODULES

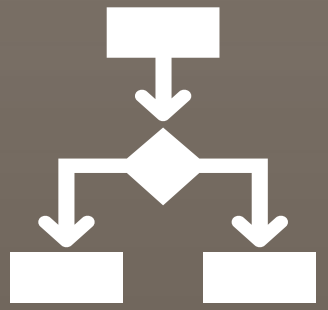
- New project lifecycle info
- New team roles in tool (Engineer Technical Lead, Cost Engineer, Project Manager)



E-RISK REGISTER ROLES

Role	View Only	Use Project Tools	Adding Team Members	Edit Project Details
Viewer	X			
Team Member	X	X		
Project Admin	X	X	X	X
Project Manager	X	X	X	X
Cost Engineer	X	X		
Engineer Technical Lead (ETL)	X	X		
Reviewer (District)	X	X		
Reviewer (Division)	X	X		
Reviewer (RMO)	X	X		
Reviewer (HQ)	X	X		



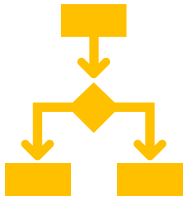


Key Methodology

Risk Rating Categories
All Ratings Remain Standalone. Not Rolled Up.

COST

SCHEDULE



PERFORMANCE

Each Risk Gets a Rating

Cost Risk	Schedule Risk	Performance Risk

No Risk	Opportunity	Low	Medium	High

COST AND SCHEDULE RISK ANALYSIS (CSRA) MATRIX ALIGNMENT (UPDATED FEB 2021)

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			Impact or Consequence of Occurrence					
			Negligible	Marginal	Moderate	Significant	Critical	
			< 2%	> 2.0% to 4%	> 4% to 6%	> 6% to 10%	> 10%	Schedule Ranges
			<0.05%	>.05% to 2%	>2% to3%	>3% to 5%	>5%	Cost Ranges
Likelihood of Occurrence	Extremely Likely	90-100%	Low	Medium	High	High	High	
	Very Likely	70% to 90%	Low	Medium	High	High	High	
	Likely	50% to 70%	Low	Medium	Medium	High	High	
	Unlikely	30% to 50%	Low	Medium	Medium	High	High	
	Very Unlikely	5% to 30%	Low	Low	Medium	Medium	High	
	Extremely Unlikely	0% to 5%	Low	Low	Low	Medium	Medium	

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RECAP OF DIFFERENCES

Planning Risk Register

- One overall rating
- Qualitative & Subjective Ratings
- Planning Specific

Determination of Risk Rating

Likelihood Rating	Consequence Rating: High	Medium	Low	None
High	High	High	Medium	None
Medium	High	Medium	Low	None
Low	Medium	Low	Low	None
None	None	None	None	None

E-Risk Register

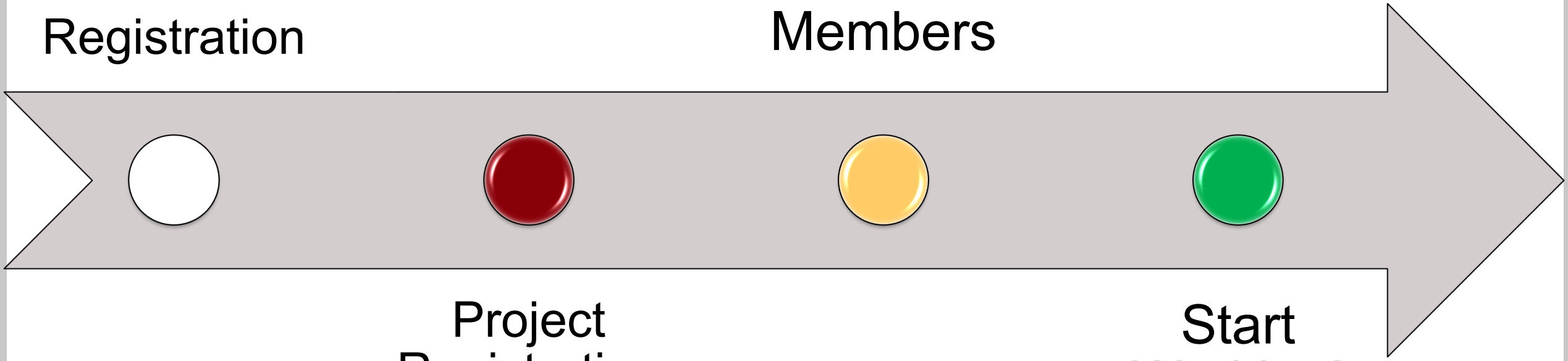
- Separate Cost, Schedule, Performance Ratings
- Quantitative Cost & Schedule Ratings
- Qualitative Performance Rating
- Monte Carlo Simulation
- One project register from Planning through Construction
- 3 New Additional Roles

GETTING STARTED

STARTING A NEW RISK REGISTER

User Login/
Registration

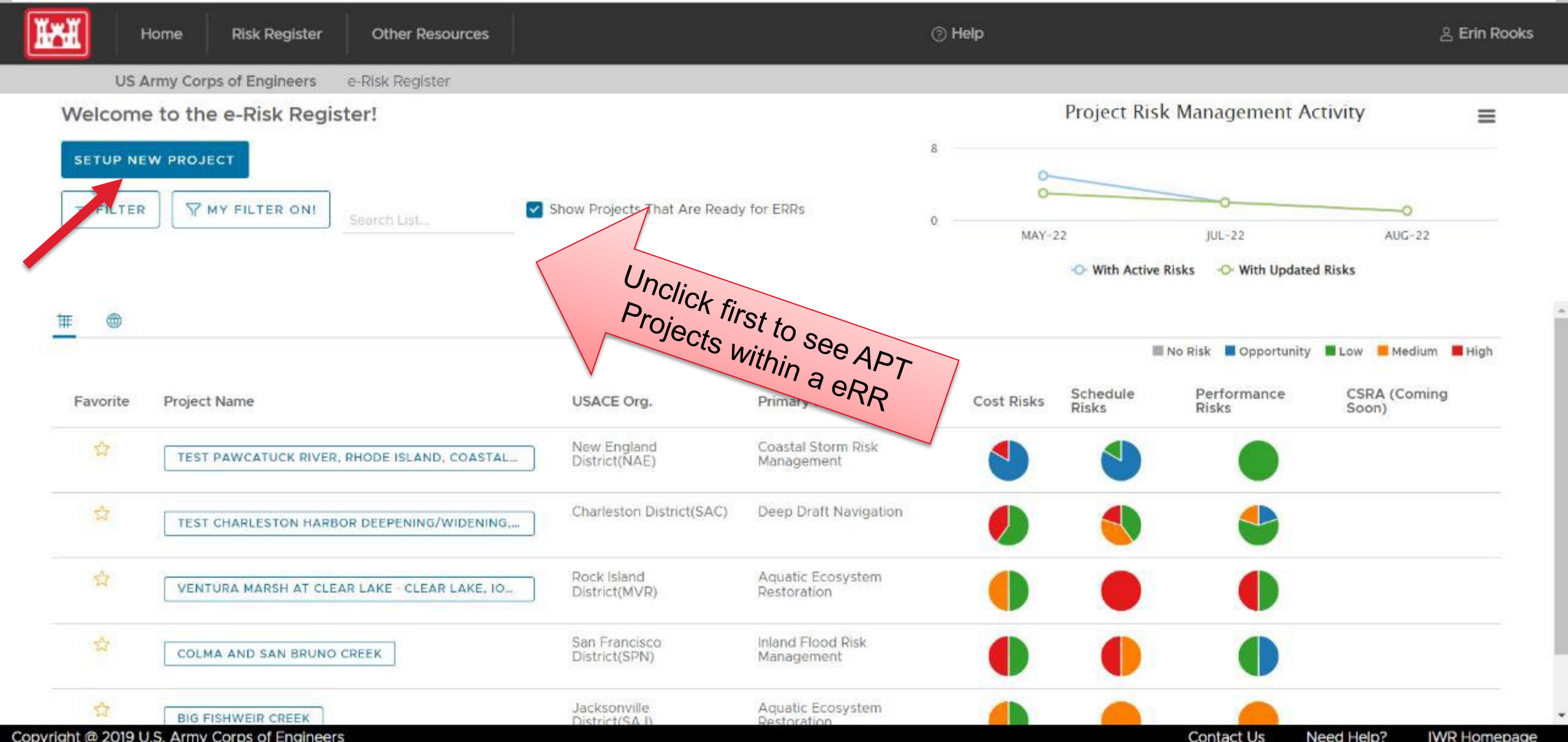
Project
Admin or
PM Adds
Team
Members



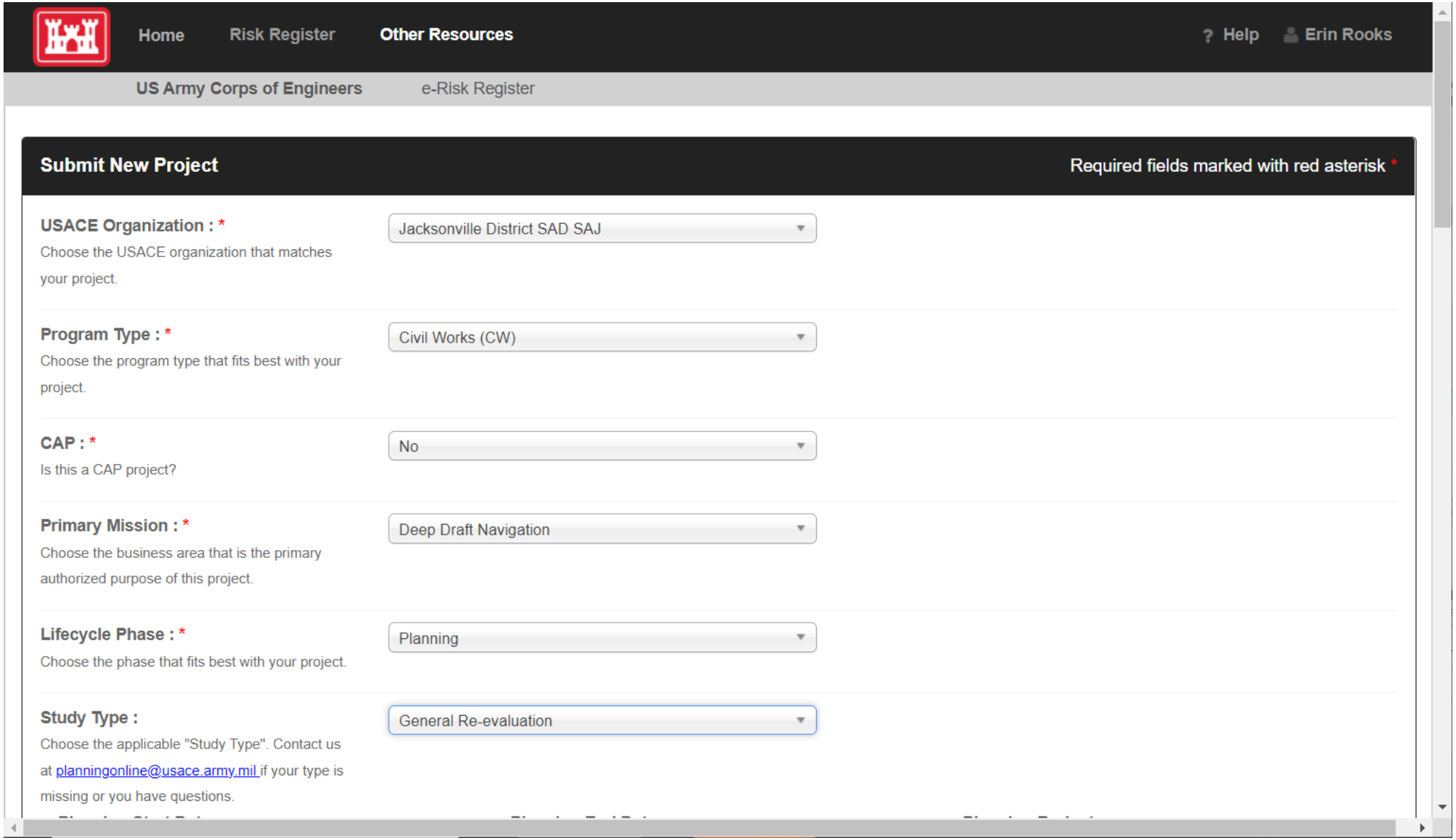
Project
Registration
(1st time only)

Start
Working!

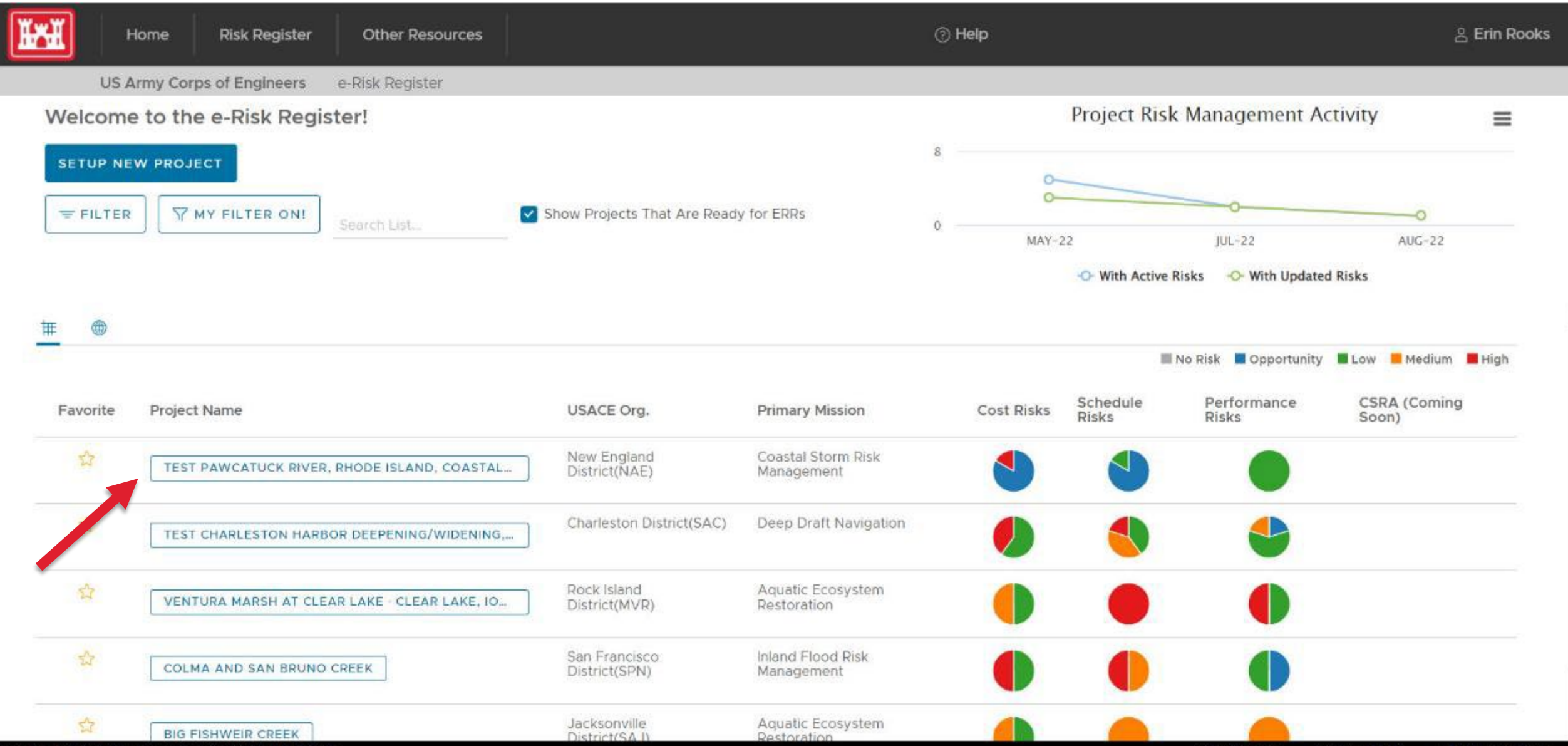
SETUP A NEW PROJECT



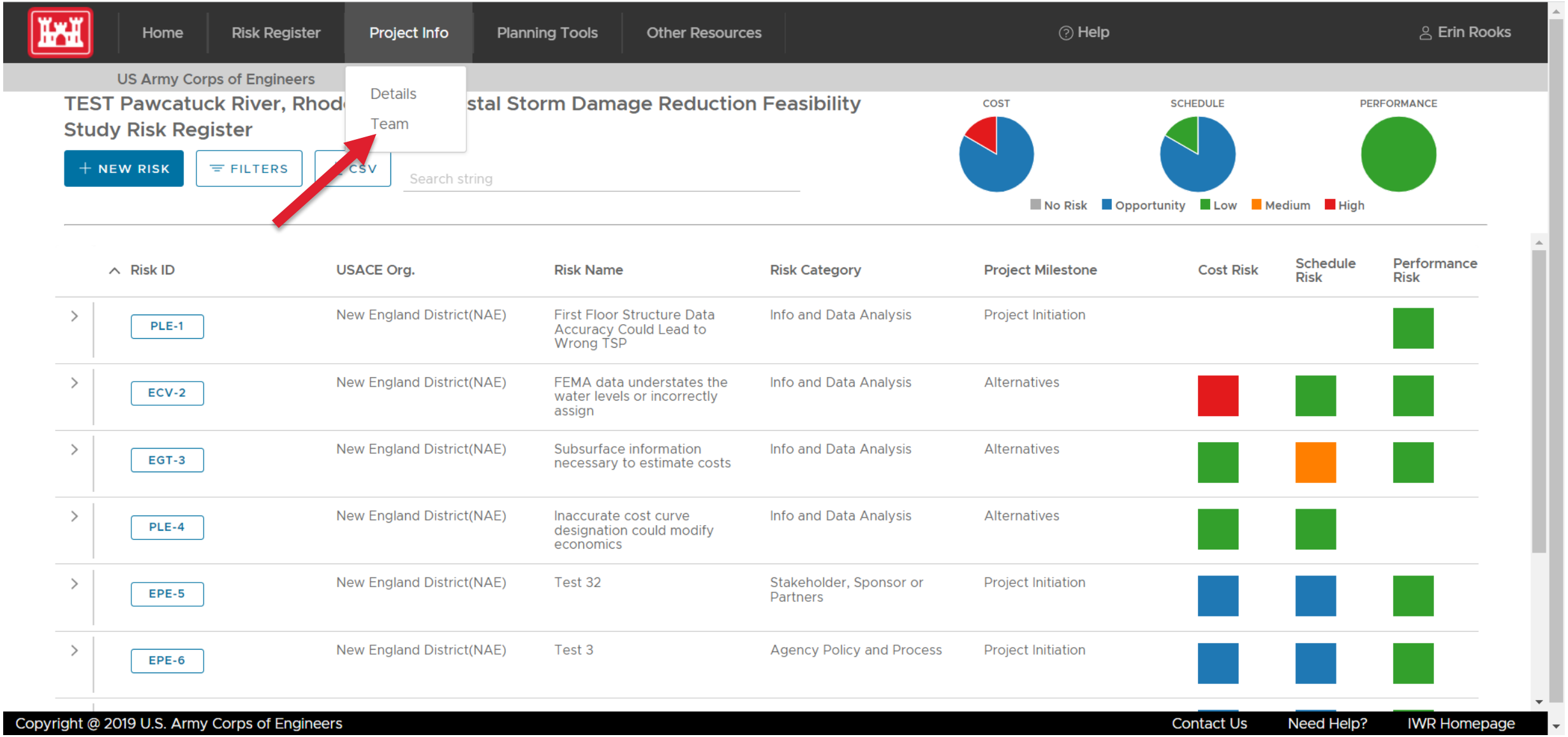
PROJECT REGISTRATION



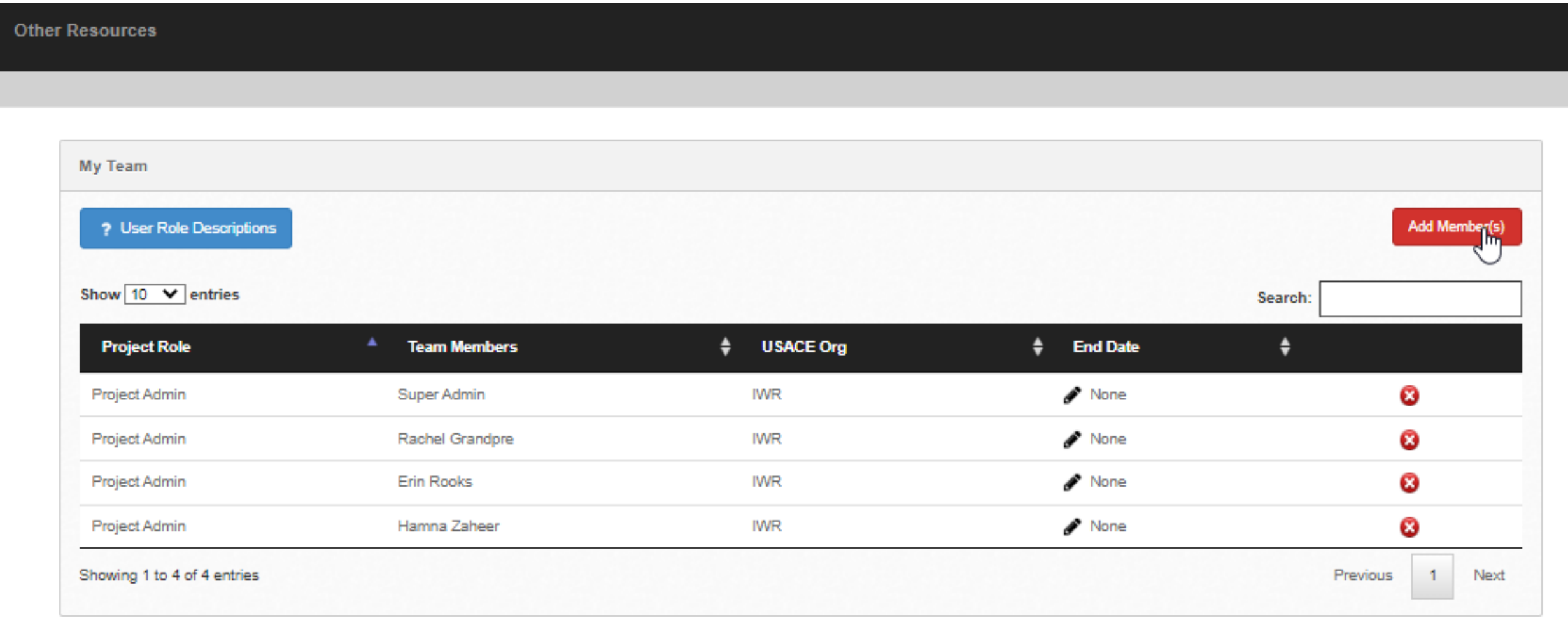
THEN SELECT YOUR PROJECT



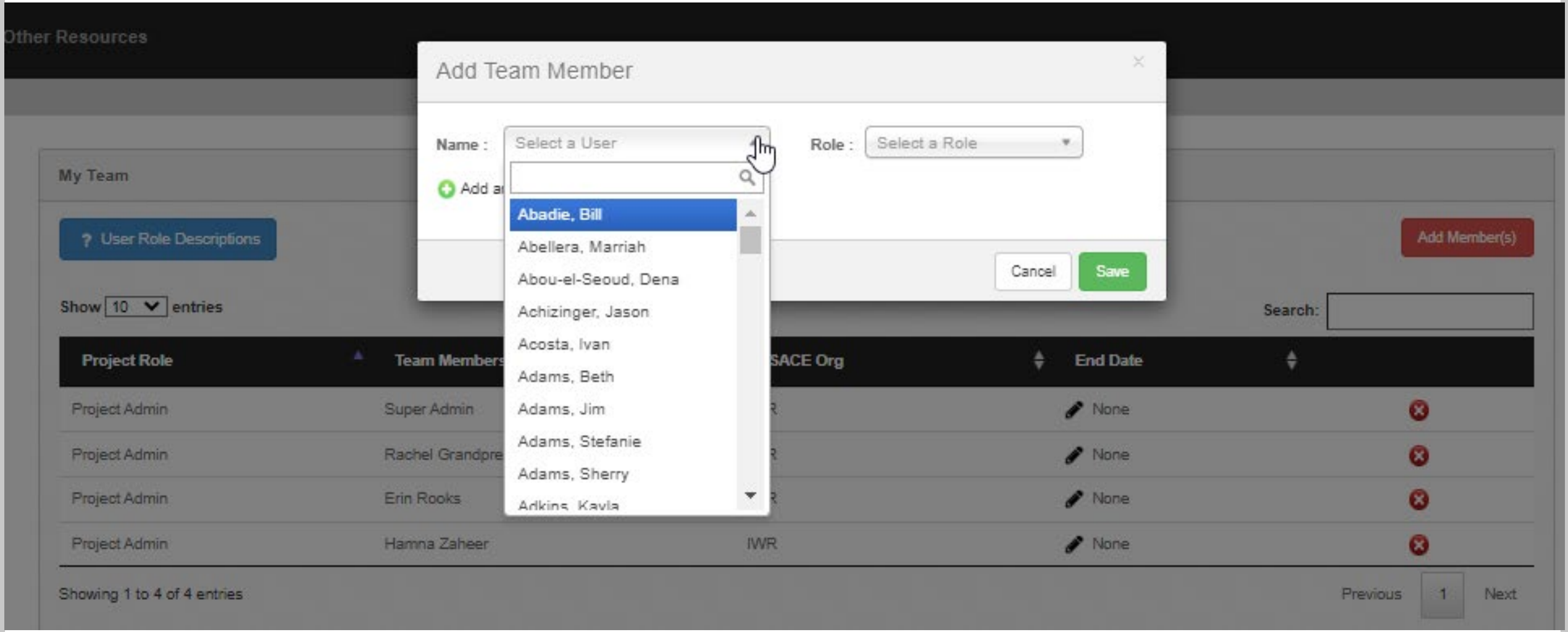
CLICK TEAM AND ADD TEAM MEMBERS



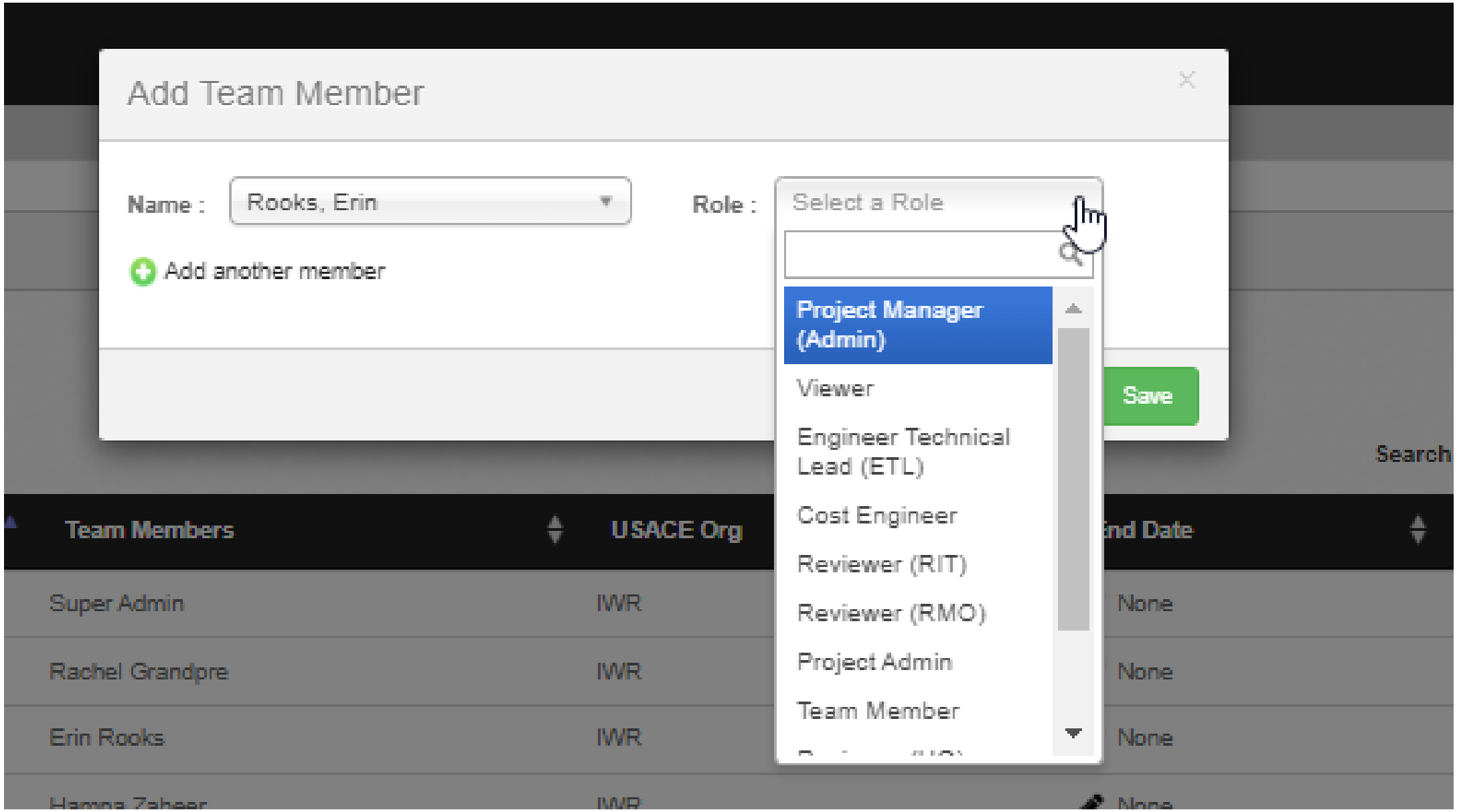
ADD NEW MEMBER



SELECT NAME


Other Resources
Add Team Member
Name :
Select a User
Role :
Select a Role
Abadie, Bill
Abellera, Marriah
Abou-el-Seoud, Dena
Achizinger, Jason
Acosta, Ivan
Adams, Beth
Adams, Jim
Adams, Stefanie
Adams, Sherry
Cancel
Save
My Team
User Role Descriptions
Add Member(s)
Show 10 entries
Search:
Project Role
Team Members
SACE Org
End Date
Project Admin Super Admin None
Project Admin Rachel Grandpre None
Project Admin Erin Rooks None
Project Admin Hamna Zaheer IWR None
Showing 1 to 4 of 4 entries
Previous
1
Next

SELECT ROLE


Add Team Member
Name :
Rooks, Erin
Role :
Select a Role
Add another member
Project Manager (Admin)
Viewer
Engineer Technical Lead (ETL)
Cost Engineer
Reviewer (RIT)
Reviewer (RMO)
Project Admin
Team Member
Save
Search
Team Members
USACE Org
End Date
Super Admin
IWR
None
Rachel Grandpre
IWR
None
Erin Rooks
IWR
None

Help is available!

FAQs

Tutorials

Webinar and Recorded Training

Help email - ERR@usace.army.mil

https://publibrary.planusace.us/#/series/e-Risk%20Register

READ THIS FIRST!

GETTING STARTED AND FAQS

AS OF 12/12/2022

WELCOME TO THE ERR – HTTPS://ERR.SEC.USACE.ARMY.MIL

The ERR is a software tool designed to provide PDTs and the vertical team a high-quality tool to better assess, manage and view all risks in a consistent and integrated manner across project lifecycles and all USACE. This document will explain what the ERR is, its benefits, and provide Frequently Asked Questions (FAQs) to get you started.

ERR FAQS

HOW CAN I REQUEST A DEMO, TRAINING, OR FIND OUT OPPORTUNITIES TO LEARN MOREABOUT ERR?

Help Resources will be posted here: https://publibrary.planusace.us/#/series/Enterprise%20Risk%20Register

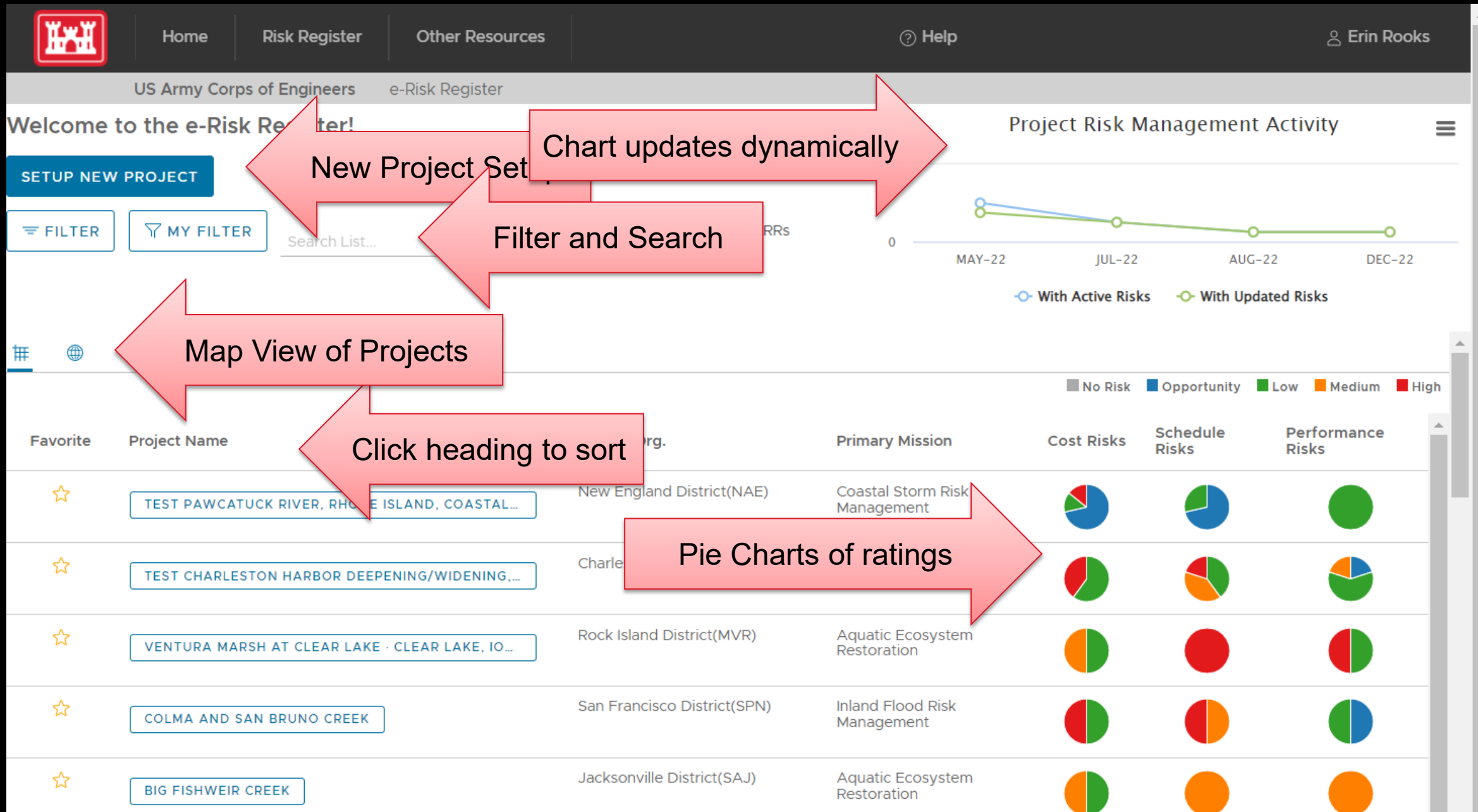
Please email us at err@usace.army.mil for more information after reading this document.

WHICH BROWSER SHOULD I USE?

Edge, Chrome or Firefox should work as they most up-to-date, but try a different browser if one doesn't work.

KEY FEATURES AND DEMO (AS TIME PERMITS)

E-RISK REGISTER HOMEPAGE / VIEW ALL PROJECTS



Set Project Filters

Choose USACE Organizations

Jacksonville District(SAJ) ×

Choose Program Types

Civil Works ×

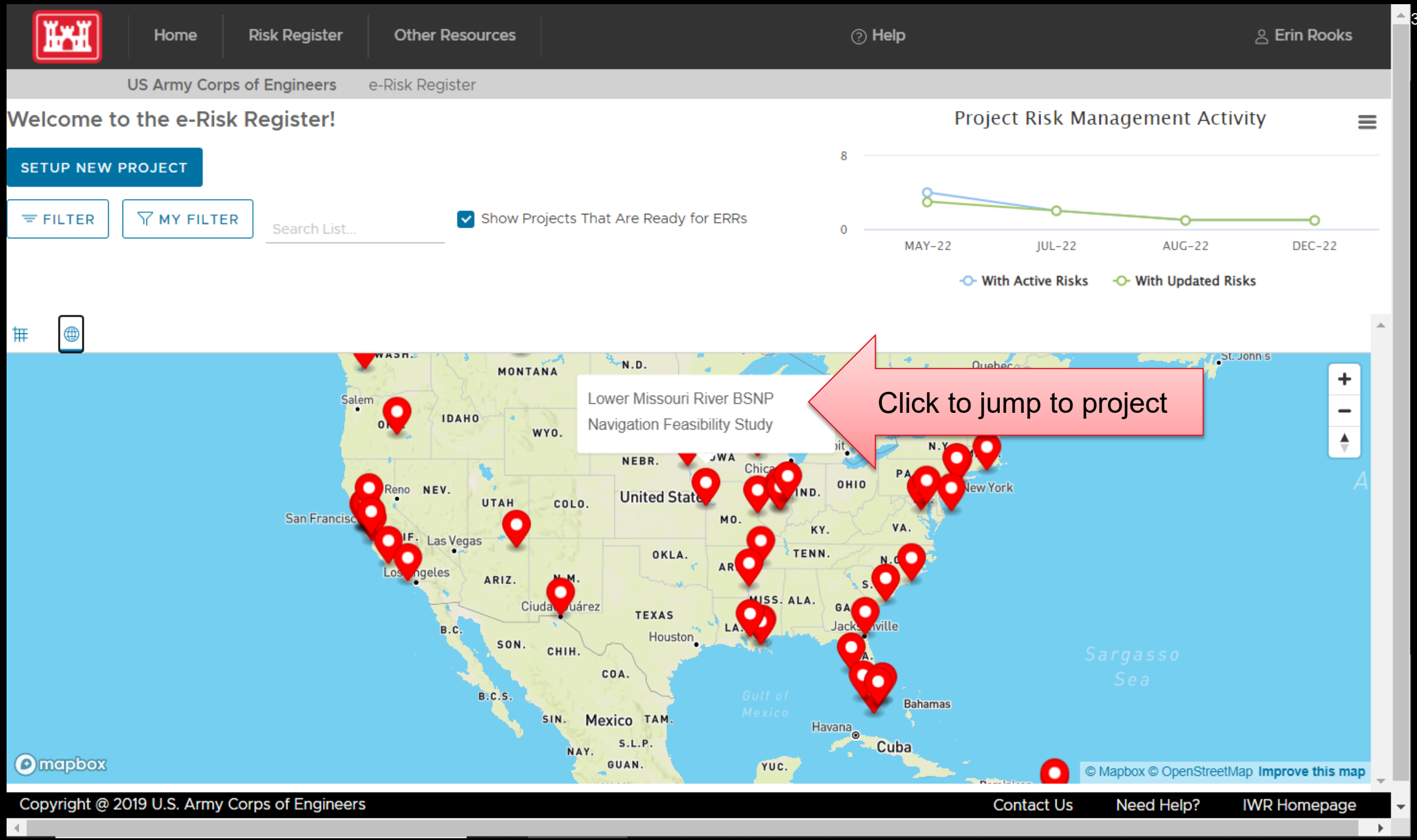
Choose Primary Missions

Deep Draft Navigation ×

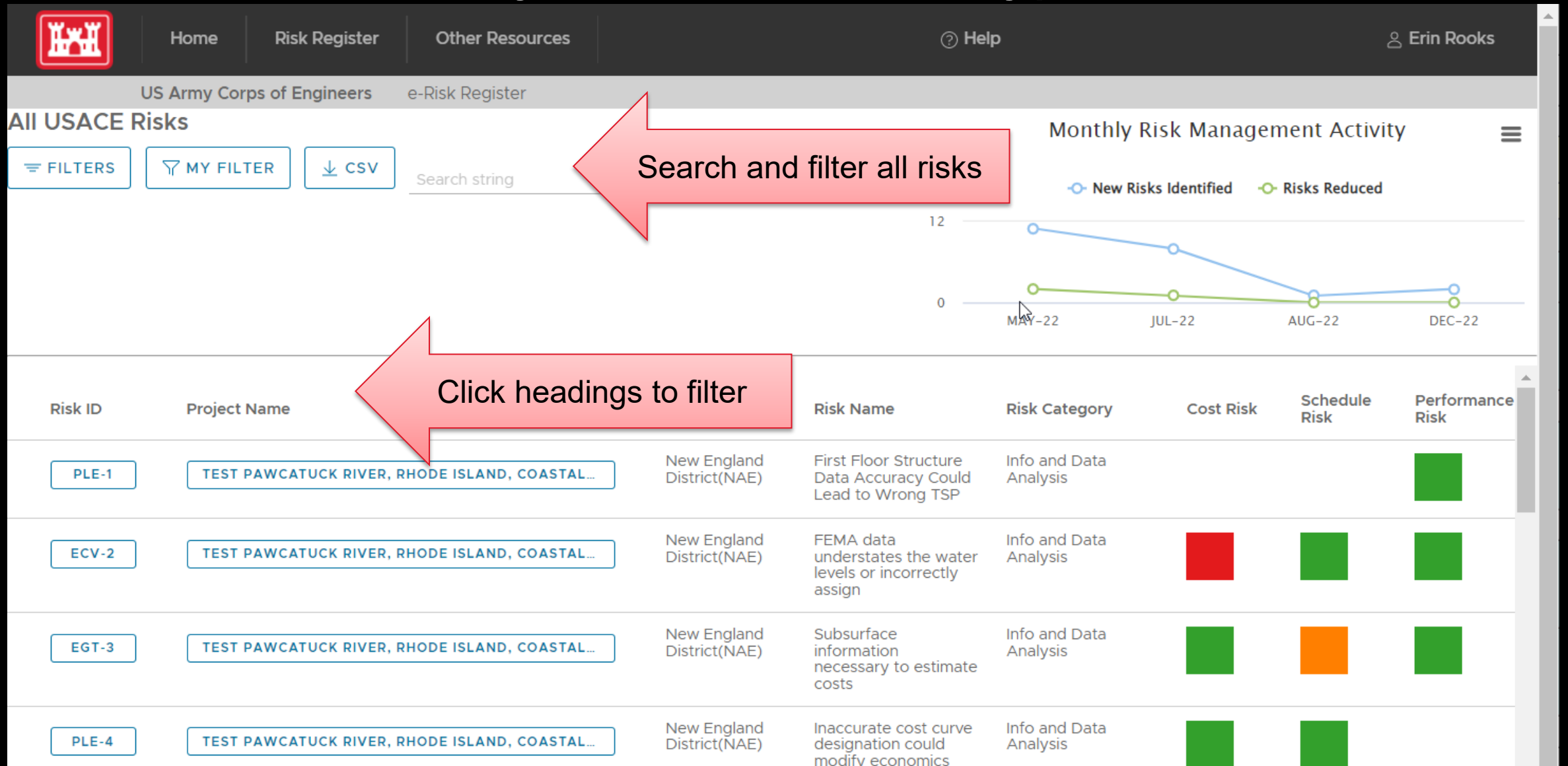
Choose Project Phases Impacted

- [x] Include only projects where I am a member
- [ ] Include only projects with an e-Risk Register
- [ ] Include only My Favorites

CANCEL | CLEAR | APPLY FILTER | APPLY AND SAVE MY FILTER


Home
Risk Register
Other Resources
Help
Erin Rooks
US Army Corps of Engineers
e-Risk Register
Welcome to the e-Risk Register!
SETUP NEW PROJECT
FILTER
MY FILTER
Search List...
Show Projects That Are Ready for ERRs
Project Risk Management Activity
8
0
MAY-22
JUL-22
AUG-22
DEC-22
With Active Risks
With Updated Risks
Lower Missouri River BSNP
Navigation Feasibility Study
Click to jump to project
MONTANA
N.D.
IDAHO
WYO.
NEBR.
NEV.
UTAH
COLO.
OHIO
MO.
KY.
VA.
TENN.
OKLA.
ARIZ.
TEXAS
MISS.
ALA.
GA.
B.C.
SON.
CHIH.
COA.
B.C.S.
SIN.
Mexico
TAM.
S.L.P.
NAY.
GUAN.
YUC.
Salem
Reno
San Francisco
Las Vegas
Houston
Jacksonville
New York
Havana
Cuba
Bahamas
Gulf of Mexico
Sargasso Sea
mapbox
© Mapbox © OpenStreetMap Improve this map
Copyright @ 2019 U.S. Army Corps of Engineers
Contact Us
Need Help?
IWR Homepage

View **ALL Risks** Across **ALL Projects** – *Filter by MSC, District, Type, etc.*



Set Risk Register Filters

Choose USACE Organizations

South Atlantic Division(SAD) ×

Choose Program Types

Civil Works ×

Choose Primary Missions

Deep Draft Navigation ×

Cost Risk Rating(s)

High ×

Schedule Risk Rating(s)

High ×

Performance Risk Rating(s)

High ×

☑ Include only active risks

CANCEL | CLEAR | APPLY FILTER | APPLY AND SAVE MY FILTER

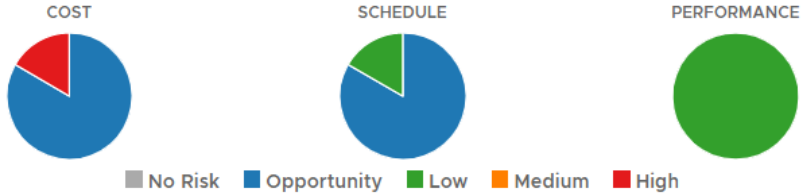
PROJECT HOMEPAGE

Home | Risk Register | Project Info | Planning Tools | Other Resources | Help | Erin Rooks

US Army Corps of Engineers e-Risk Register

TEST Pawcatuck River, Rhode Island, Coastal Storm Damage Reduction Feasibility Study Risk Register

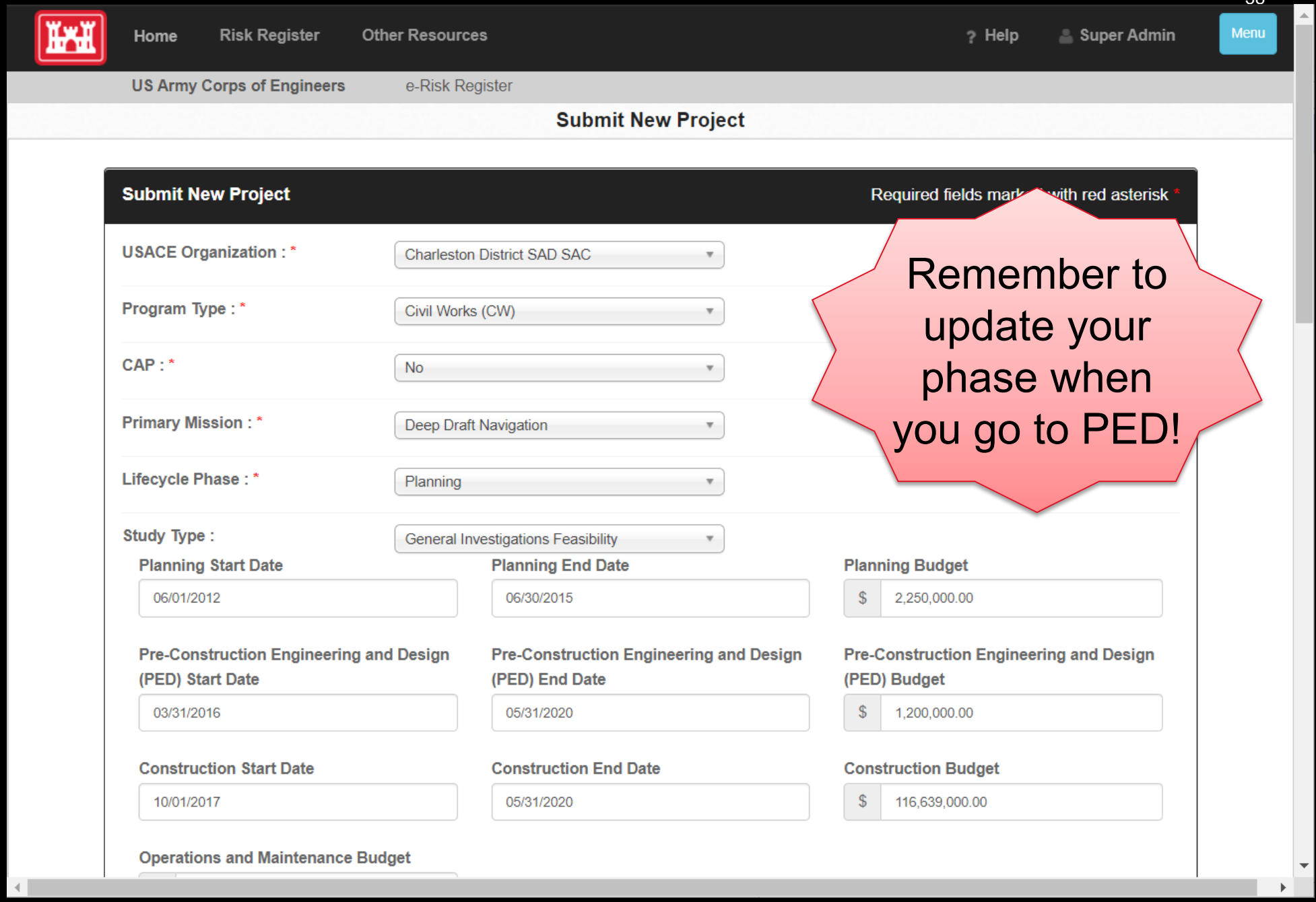
+ NEW RISK | FILTERS | CSV | Search string



Risk ID	USACE Org.	Risk Name	Risk Category	Project Milestone	Cost Risk	Schedule Risk	Performance Risk
PLE-1	New England District(NAE)	First Floor Structure Data Accuracy Could Lead to Wrong TSP	Info and Data Analysis	Project Initiation			
ECV-2	New England District(NAE)	FEMA data understates the water levels or incorrectly assign	Info and Data Analysis	Alternatives			
EGT-3	New England District(NAE)	Subsurface information necessary to estimate costs	Info and Data Analysis	Alternatives			
PLE-4	New England District(NAE)	Inaccurate cost curve designation could modify economics	Info and Data Analysis	Alternatives			
EPE-5	New England District(NAE)	Test 32	Stakeholder, Sponsor or Partners	Project Initiation			
EPE-6	New England District(NAE)	Test 3	Agency Policy and Process	Project Initiation			

Project Registration

(This will connect with Enterprise Databases in future.)



Standardized Online Template

Risk Identification — Jeopardizing Threatened and Endangered Species

Jeopardizing Threatened and Endangered Species

Short Description of Risk

Threatened and Endangered Species

Risk Category

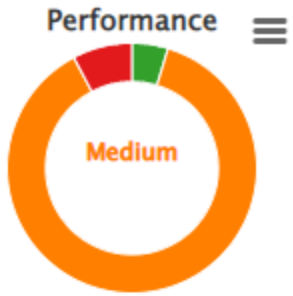
Impacts to T&E Species as determined by USFWS or NMFS

Risk Description *(Optional)*

Planning - Environmental

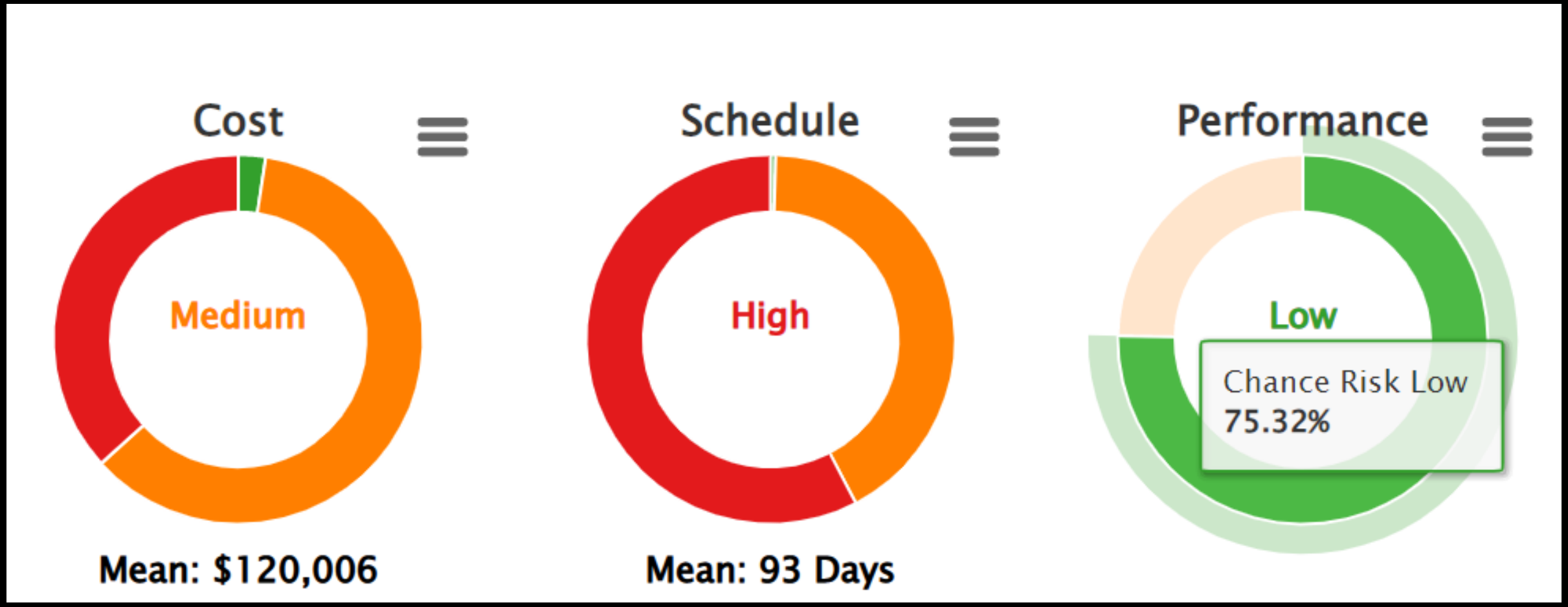
Lead PDT Discipline

Condensed View of Individual Risk Entry



>	Risk Identification	Potential increased sedimentation due to climate change
>	Event Likelihood	Likely (50% to 70%)
>	Cost Impact	Most Likely Cost Impact if event occurs: 255,000
>	Schedule Impact	This risk has no schedule impact
>	Performance Impact	Major Problem to Asset Condition
>	Milestones & Risk Responses	Enter Project Milestones and Responses
v	7. Risk Log	See History of Risk Changes

Individual Risk Entry *(Interactive Graphic)*



(Monte Carlo Simulation Conducted Behind the Scenes)

Questions, Inquiries & Feedback?

Are you Ready to Roll?!

Contact: err@usace.army.mil

Future URL: https://err.sec.usace.army.mil

Help (check back for more help later):

https://publibrary.planusace.us/#/series/e-Risk%20Register

WHAT FEATURES OR BENEFITS INTRIGUE YOU THE MOST?

Please chat in your answer

DEMO

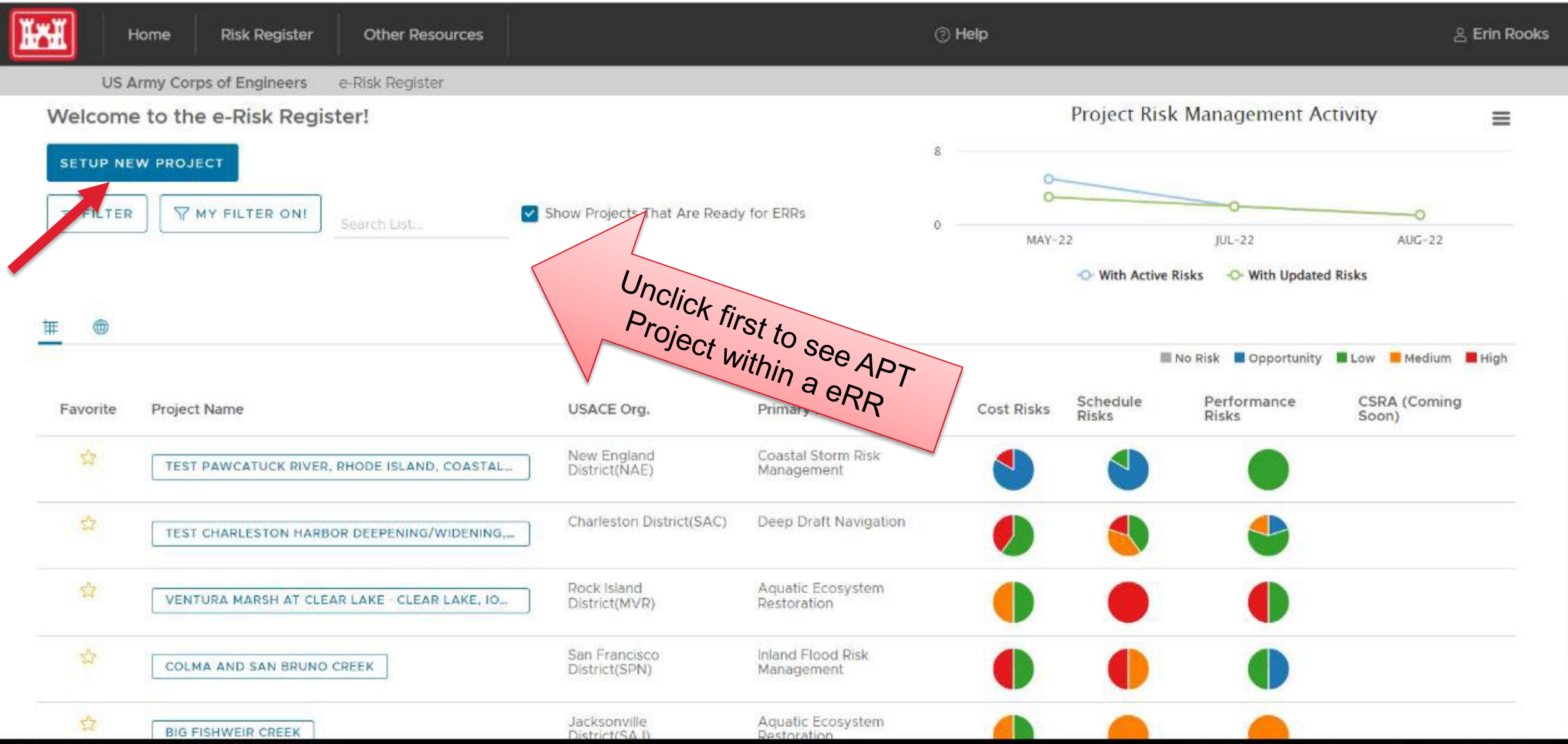
WHAT ADDITIONAL TRAINING WOULD YOU LIKE TO SEE?

PLEASE ANNOTATE OR CHAT YOUR ANSWER

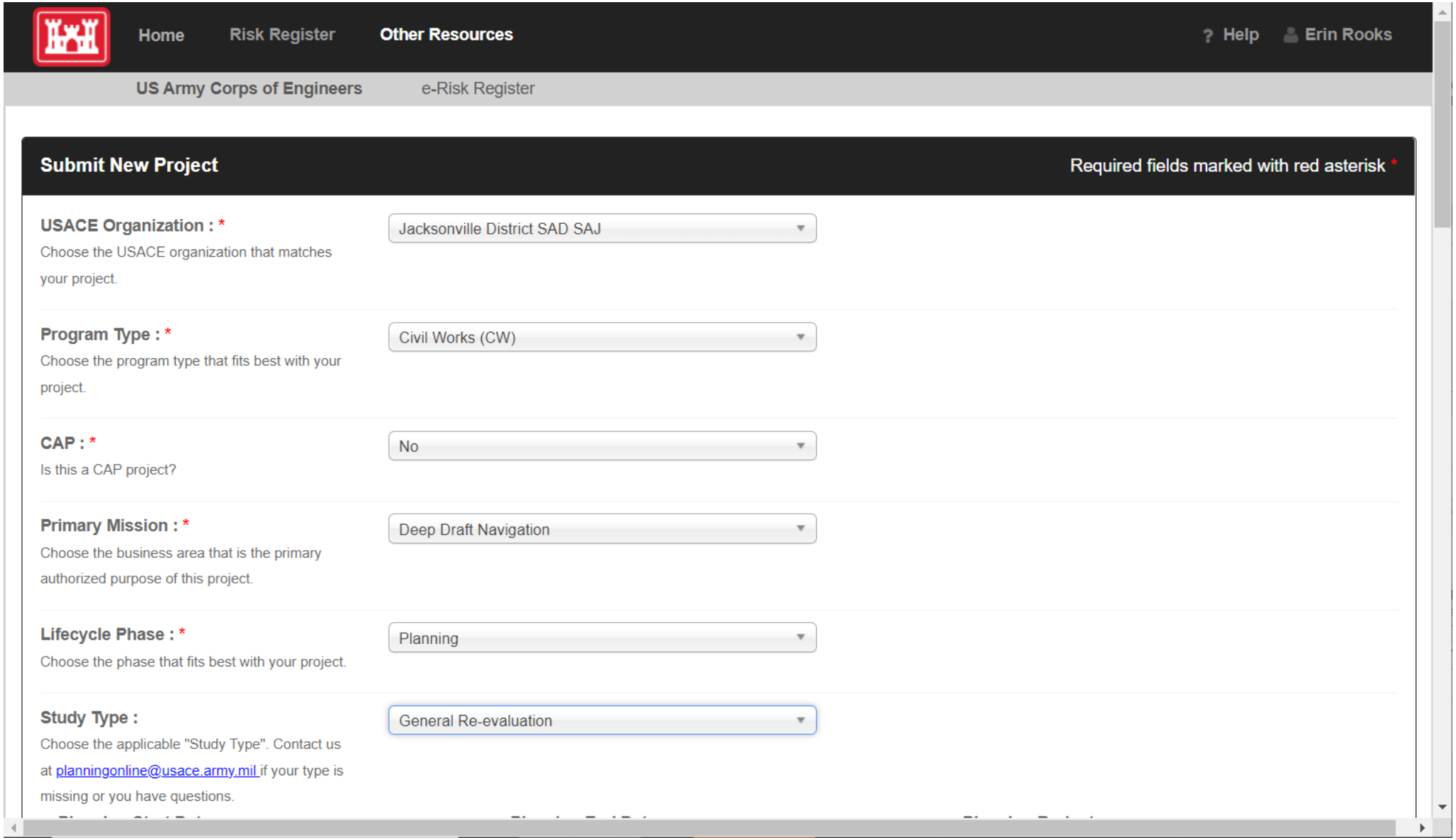
STEP BY STEP SCREENSHOTS

STARTING A NEW PROJECT

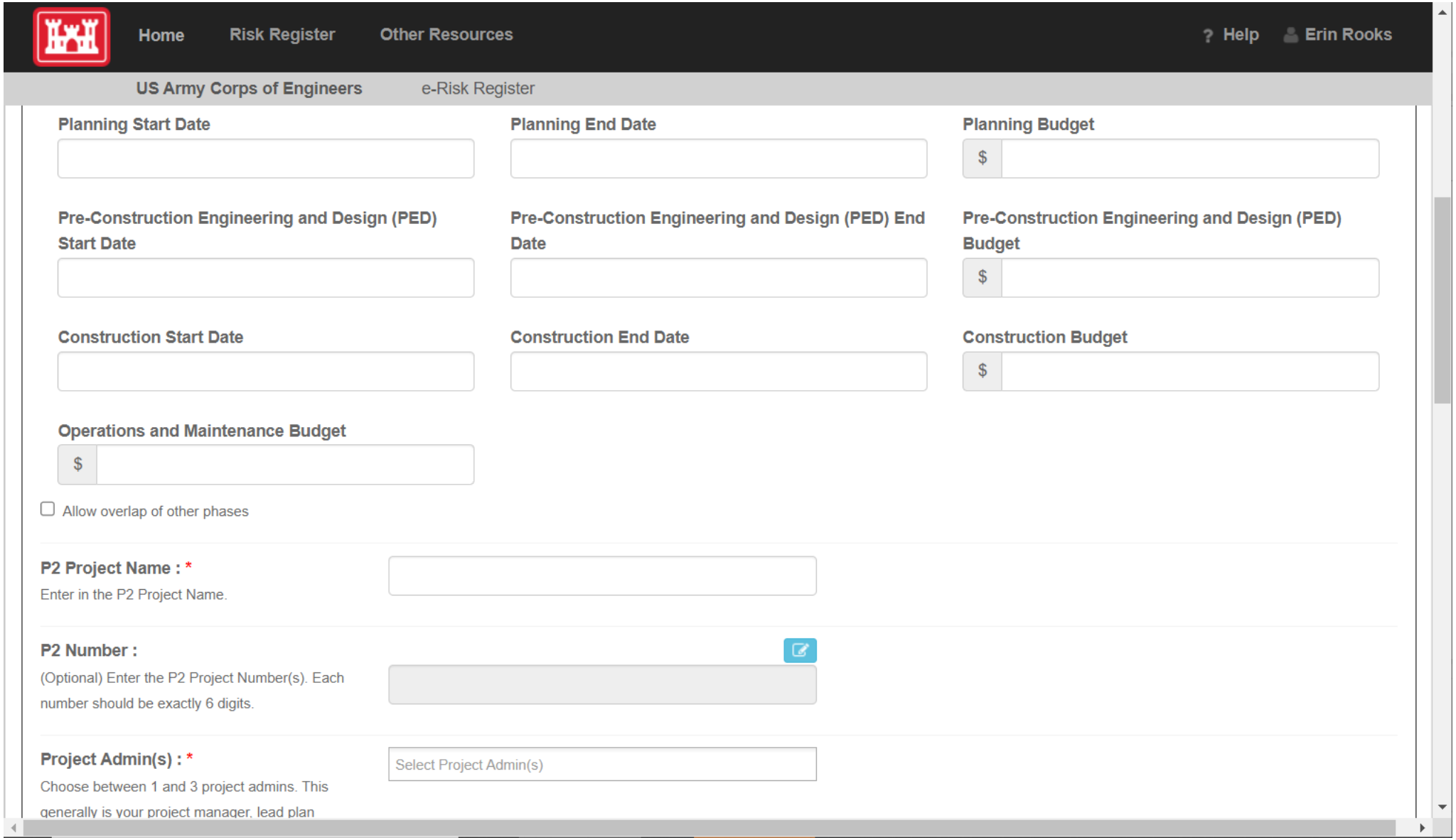
SELECT PROJECT



PROJECT REGISTRATION

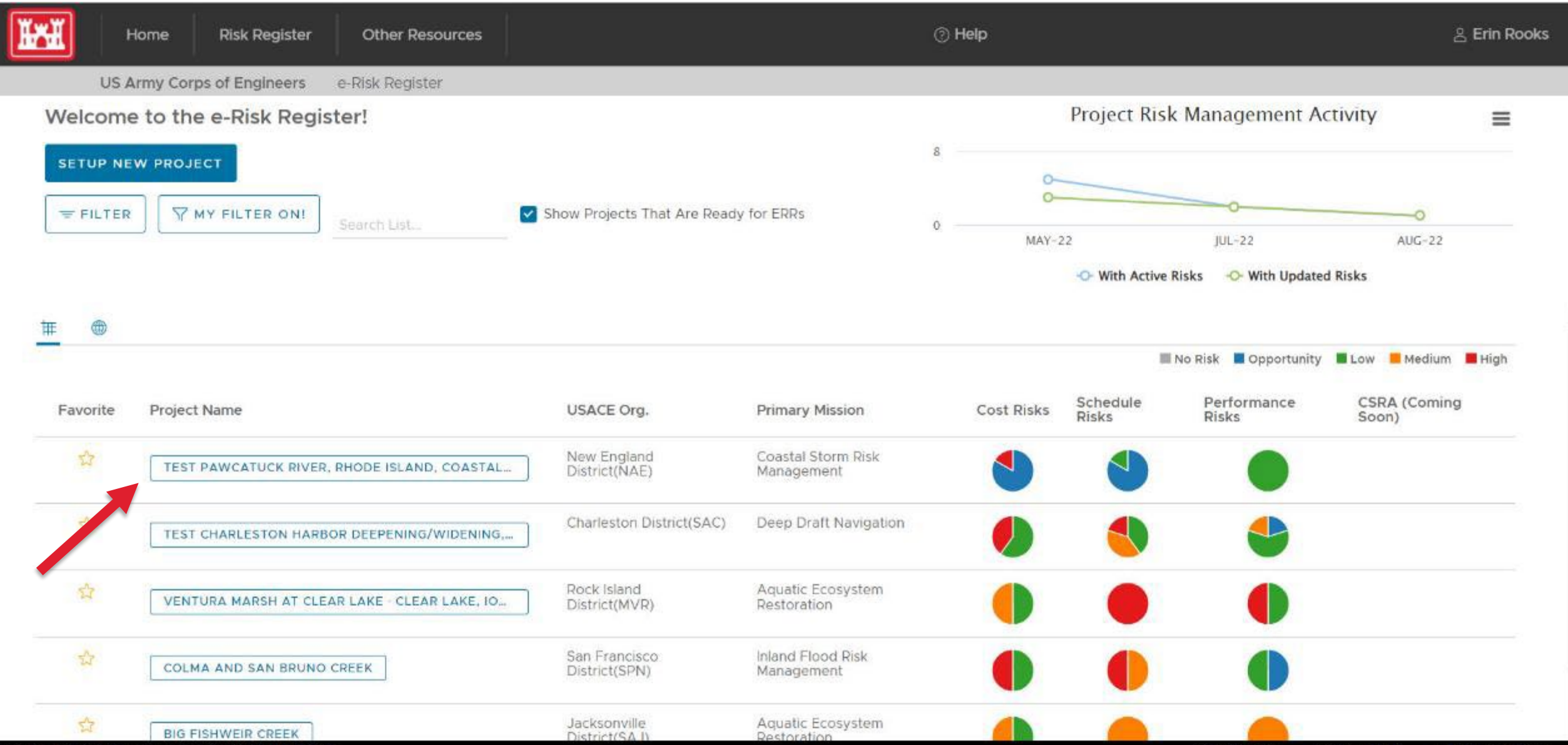


CONTINUATION OF PROJECT REGISTRATION



ADDING TEAM MEMBERS

SELECT PROJECT



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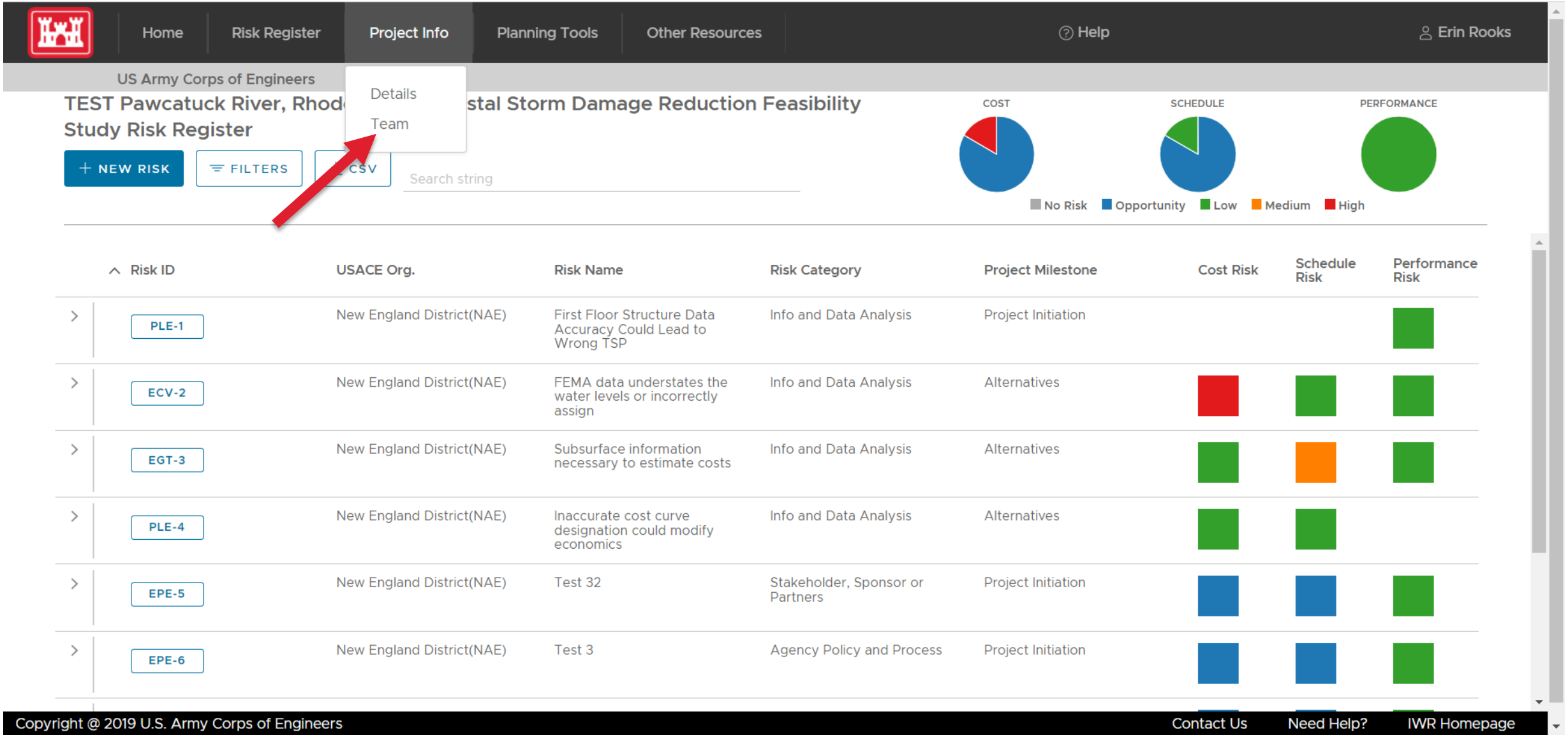
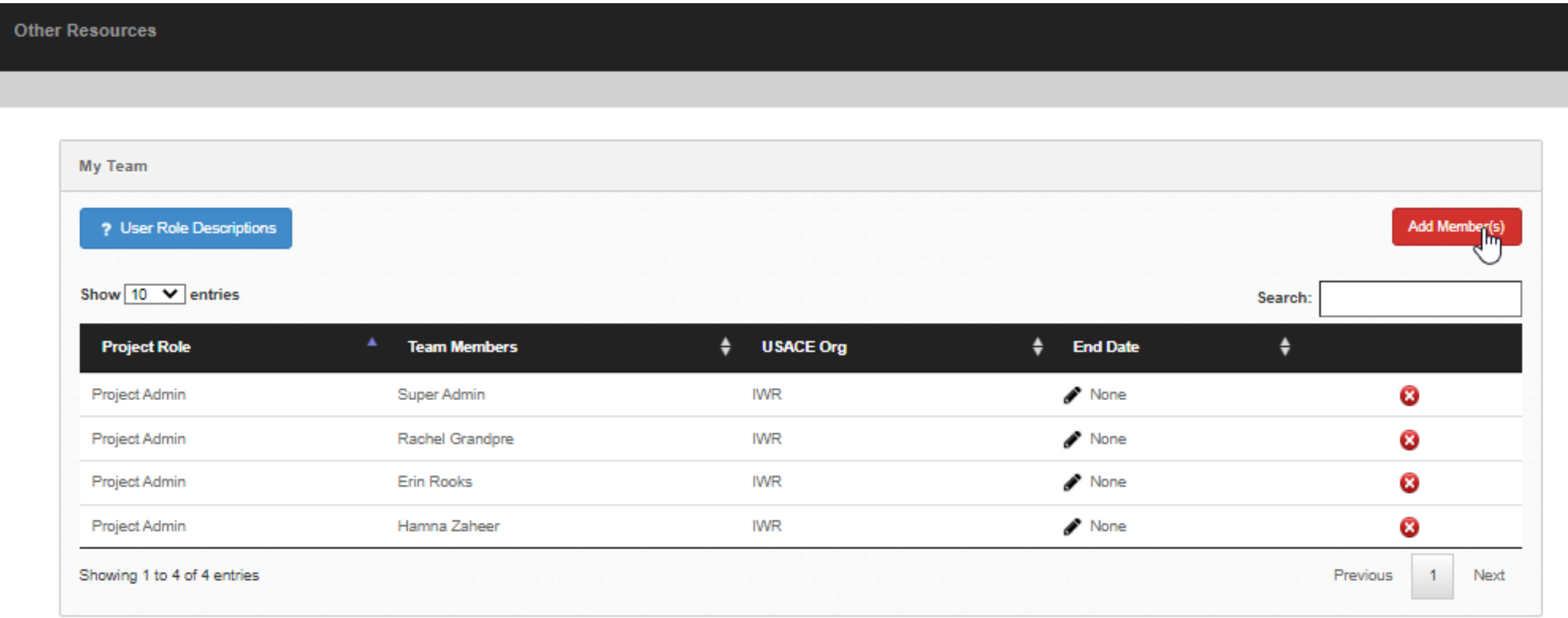
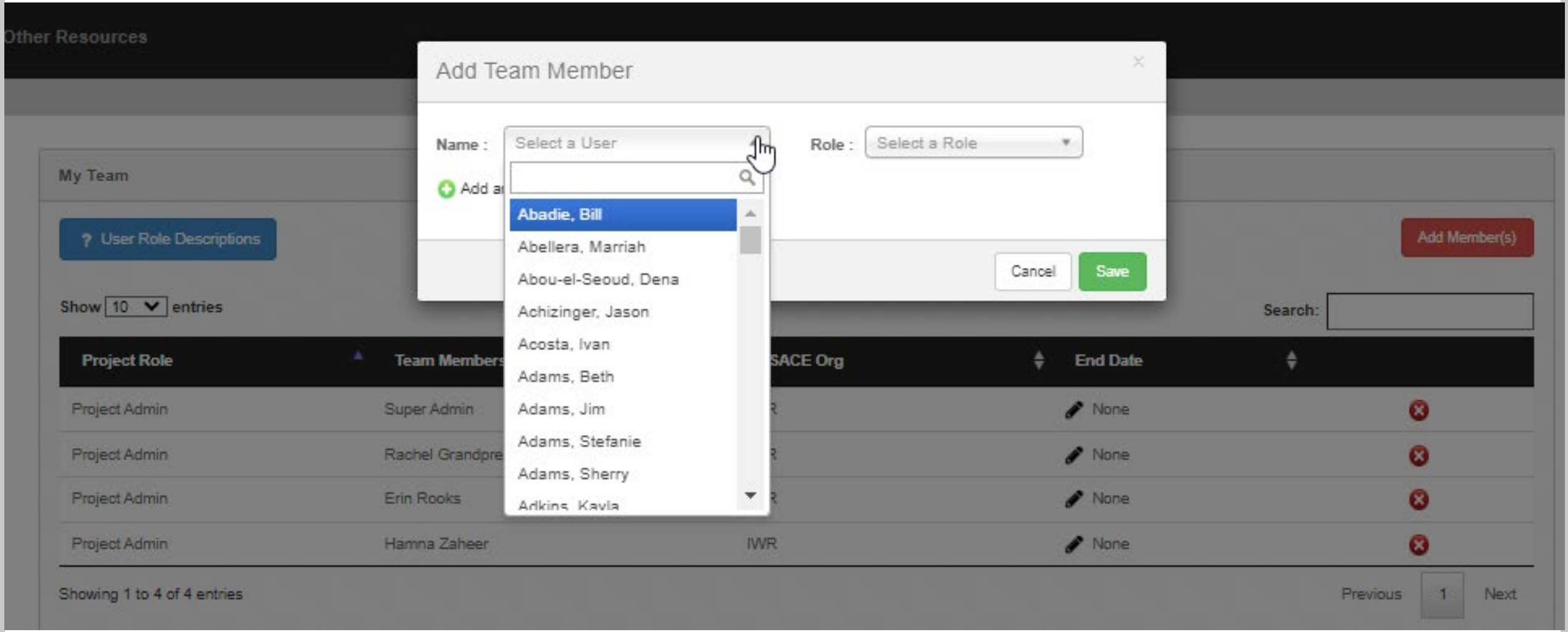
PROJECT INFO: CLICK ON TEAM



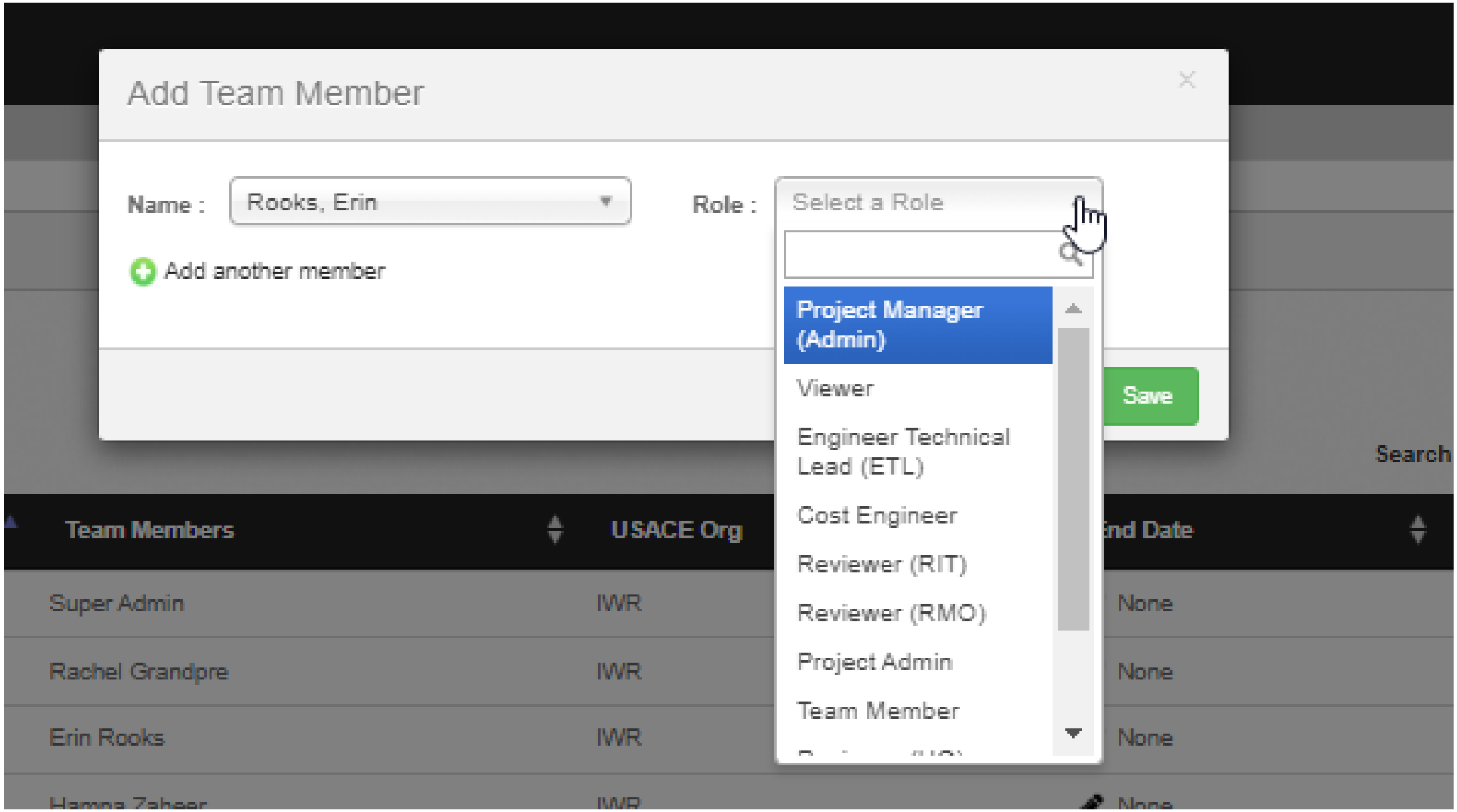
ADD NEW MEMBER



SELECT NAME

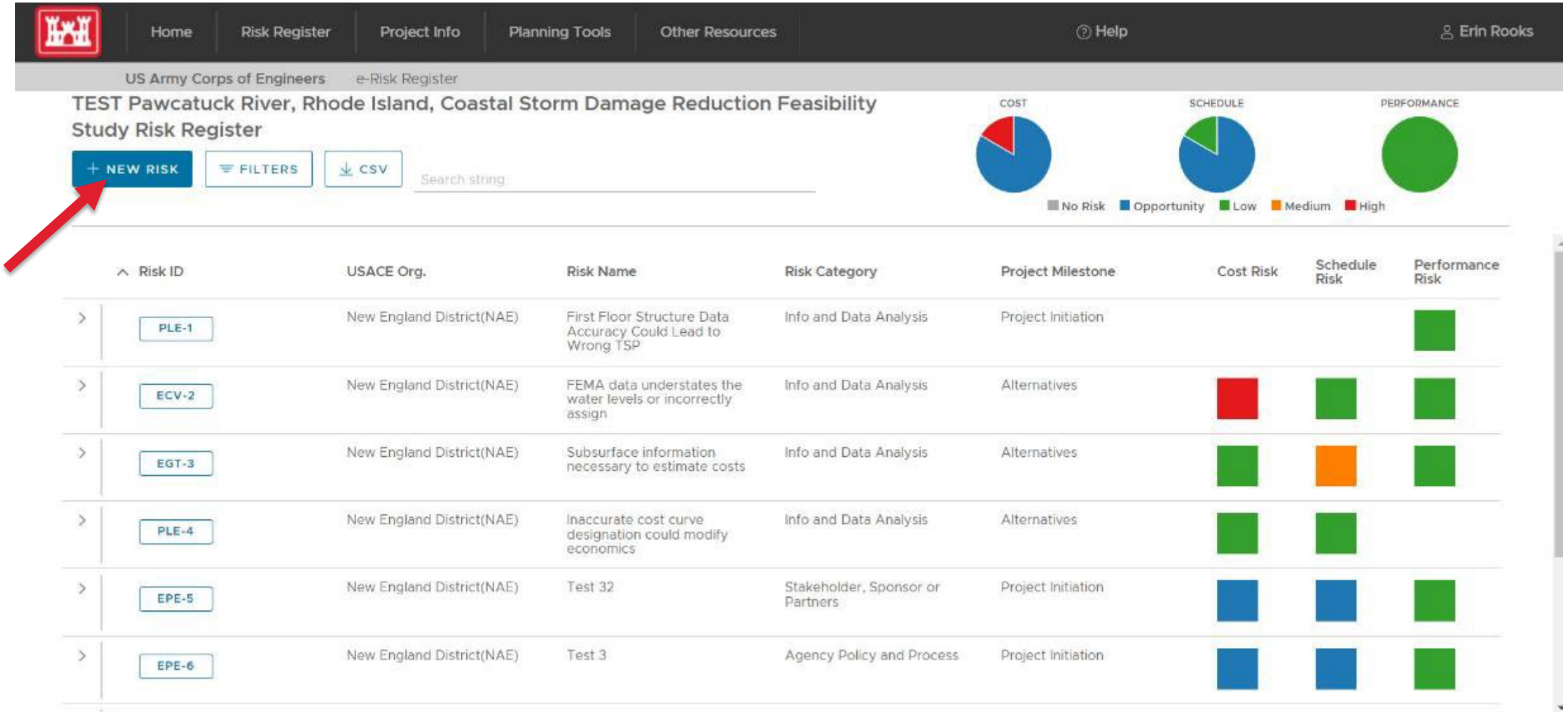

Other Resources
Add Team Member
Name :
Select a User
Role :
Select a Role
Abadie, Bill
Abellera, Marriah
Abou-el-Seoud, Dena
Achizinger, Jason
Acosta, Ivan
Adams, Beth
Adams, Jim
Adams, Stefanie
Adams, Sherry
Cancel
Save
My Team
User Role Descriptions
Add Member(s)
Show 10 entries
Search:
Project Role
Team Members
SACE Org
End Date
Project Admin Super Admin None
Project Admin Rachel Grandpre None
Project Admin Erin Rooks None
Project Admin Hamna Zaheer IWR None
Showing 1 to 4 of 4 entries
Previous
1
Next

SELECT ROLE

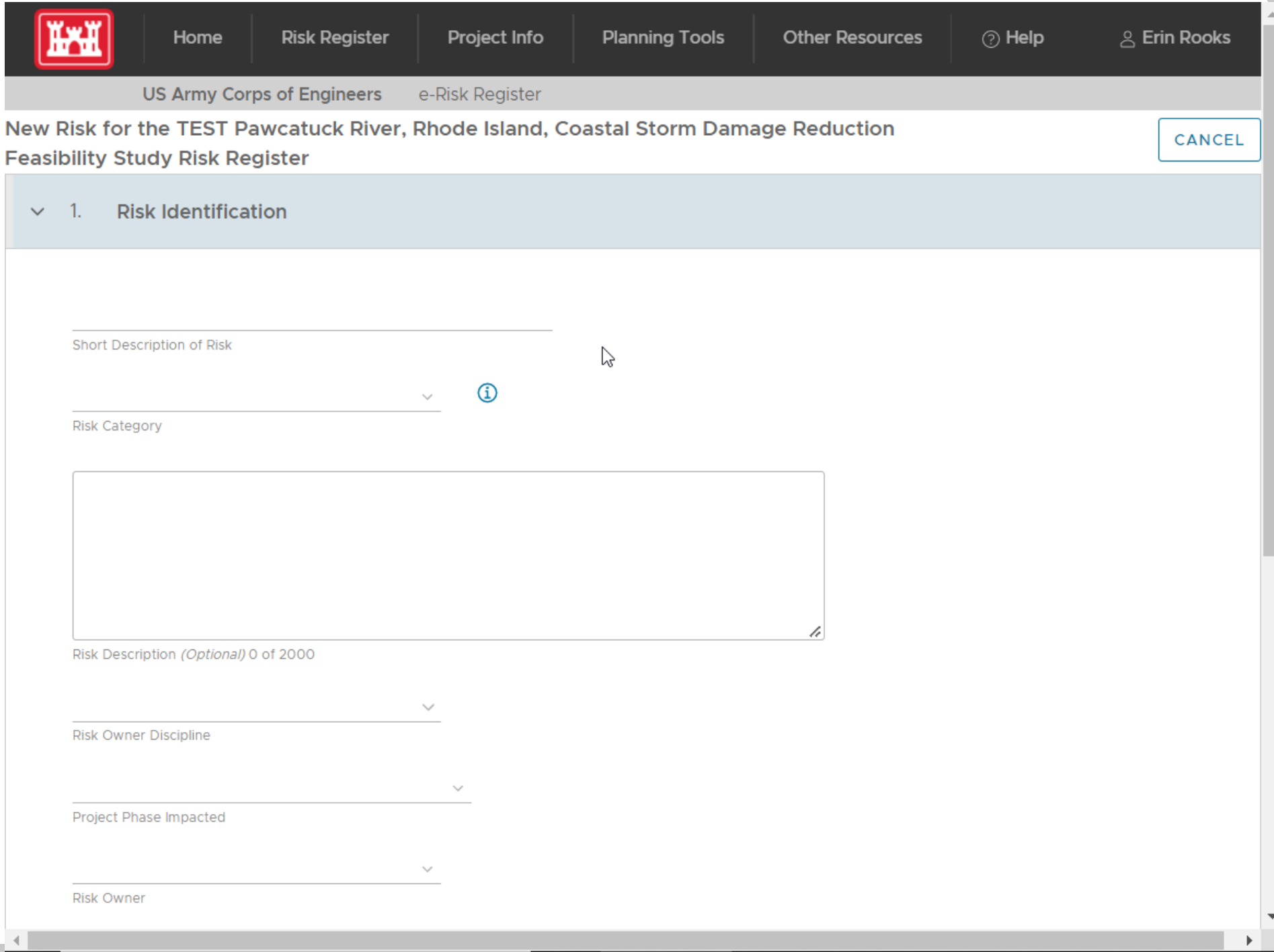

Add Team Member
Name :
Rooks, Erin
Role :
Select a Role
Add another member
Project Manager (Admin)
Viewer
Engineer Technical Lead (ETL)
Cost Engineer
Reviewer (RIT)
Reviewer (RMO)
Project Admin
Team Member
Save
Search
Team Members
USACE Org
End Date
Super Admin
IWR
None
Rachel Grandpre
IWR
None
Erin Rooks
IWR
None
Hamna Zaheer
IWR
None

ENTERING A NEW RISK

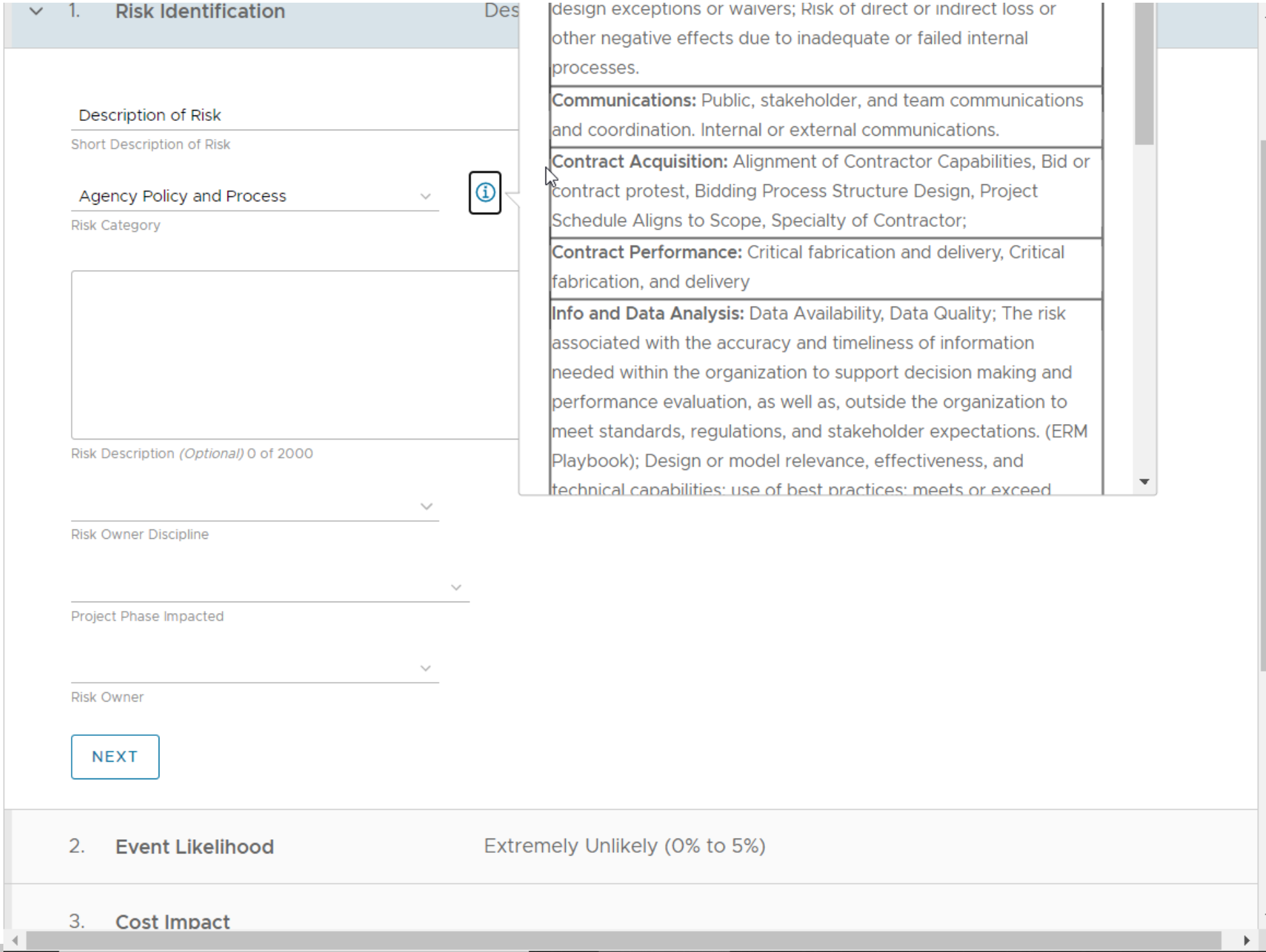
FIRST, YOU MUST BE A TEAM MEMBER TO ADD CLICK "+ NEW RISK"



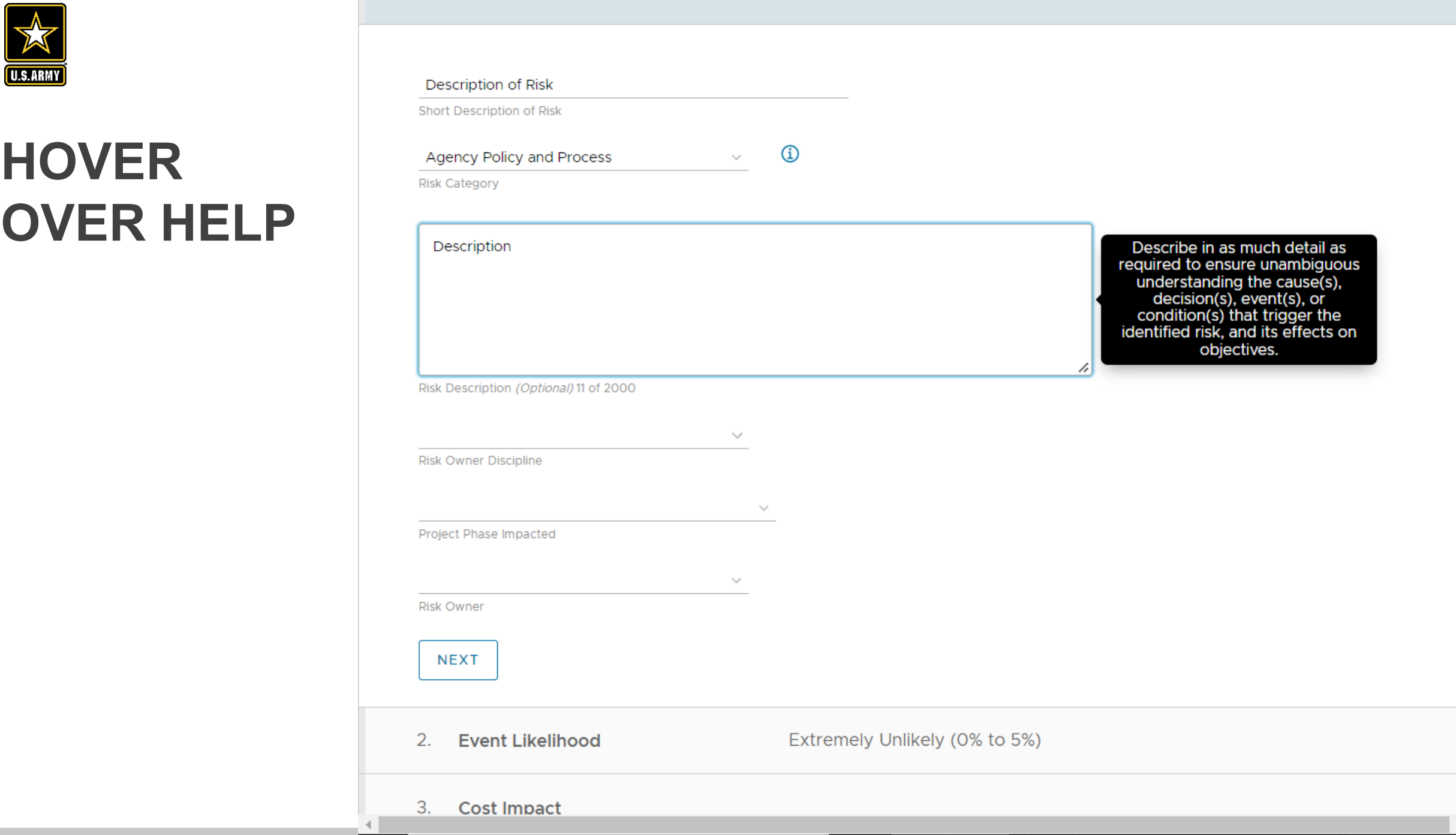
ENTER RISK


Home
Risk Register
Project Info
Planning Tools
Other Resources
Help
Erin Rooks
US Army Corps of Engineers
e-Risk Register
New Risk for the TEST Pawcatuck River, Rhode Island, Coastal Storm Damage Reduction Feasibility Study Risk Register
CANCEL
1. Risk Identification
Short Description of Risk
Risk Category
Risk Description (Optional) 0 of 2000
Risk Owner Discipline
Project Phase Impacted
Risk Owner

CLICK “I” FOR MORE INFO



HOVER OVER HELP



RISK ENTRY CONTINUED

2. **Event Likelihood** — Extremely Unlikely (0% to 5%)

Event Likelihood

EXTREMELY UNLIKELY | VERY UNLIKELY | UNLIKELY | LIKELY | VERY LIKELY | EXTREMELY LIKELY

Event Likelihood Evidence *(Optional)* 0 of 2000

NEXT

3. **Cost Impact**

4. **Schedule Impact**

5. **Performance Impact**

6. **Milestones & Risk Responses** — Enter Project Milestones and Responses

7. **Risk Log** — See History of Risk Changes

COST INPUT

3. Cost Impact

Impacted Phase Budget: $2,000,000

☐ This risk has no cost impact

Cost Impact Distribution: POINT ESTIMATE | UNIFORM | TRIANGULAR

Cost Impact (Dollars): ⓘ

50000 — Lowest

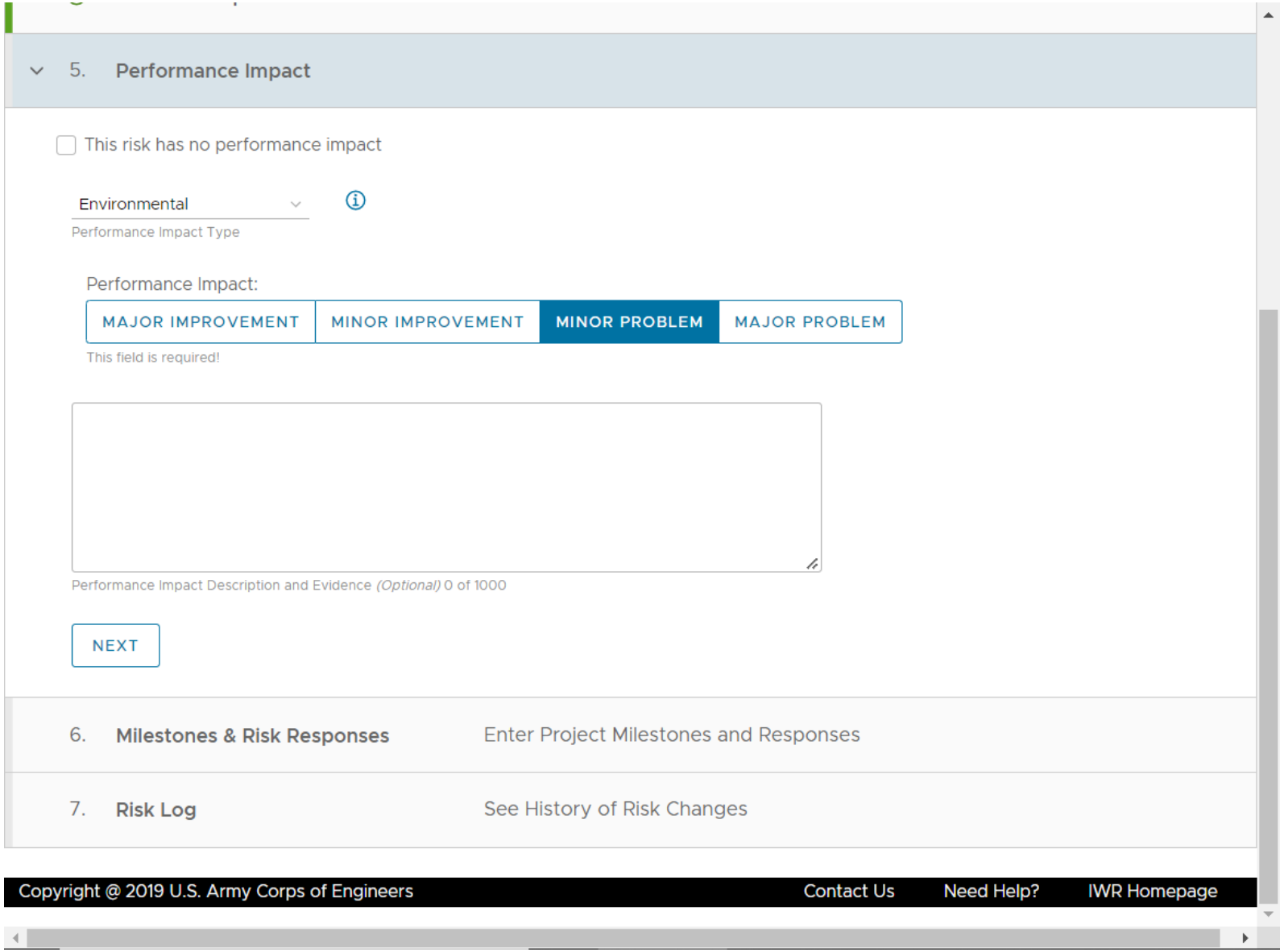
200000 — Highest

Describe what information, assumption, and methods that you used to estimate the cost.

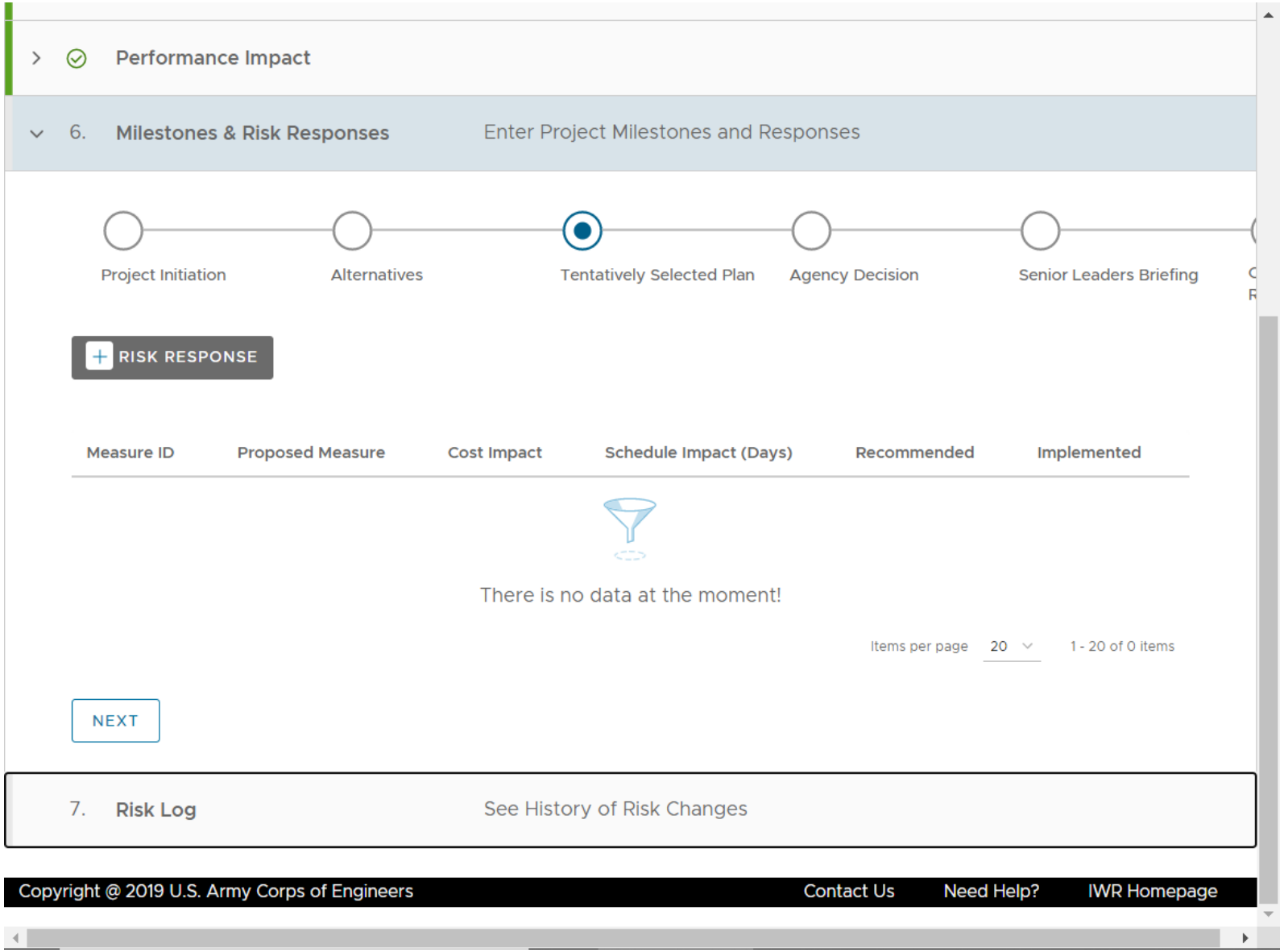
Evidence of Cost Impact *(Optional)* 0 of 1000

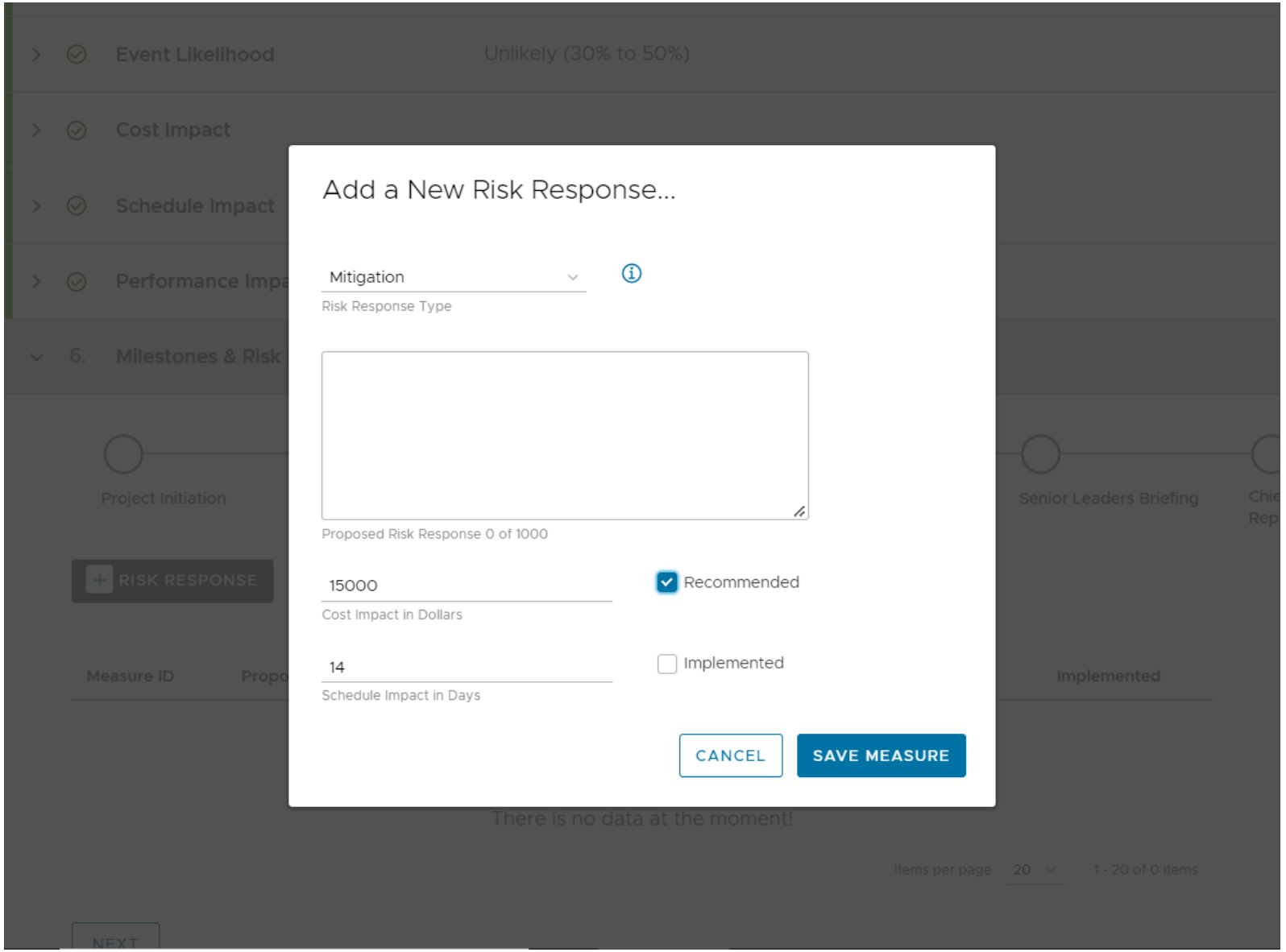
NEXT

PERFORMANCE INPUT

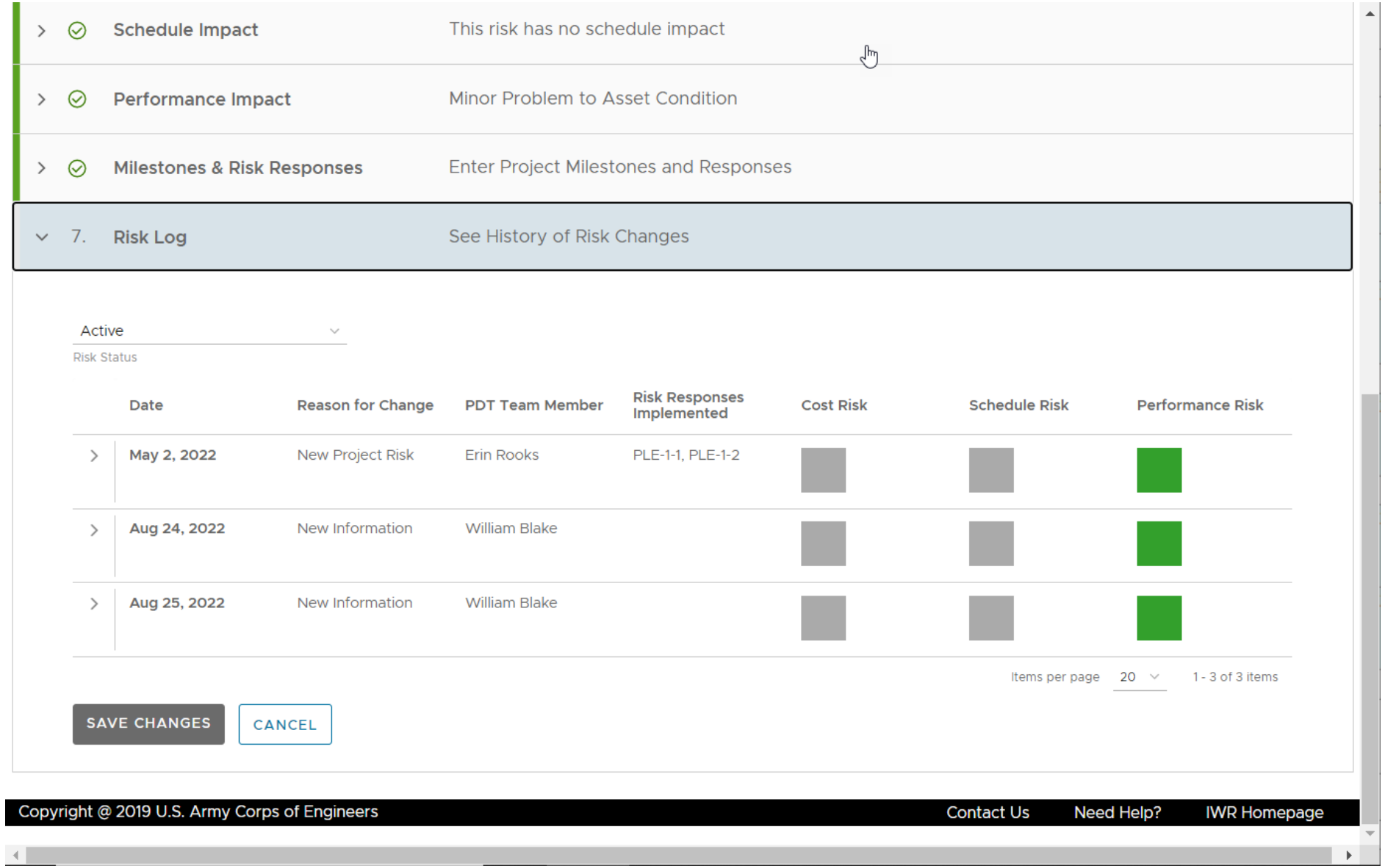


SELECT MILESTONE AND ADD RISK MEASURE



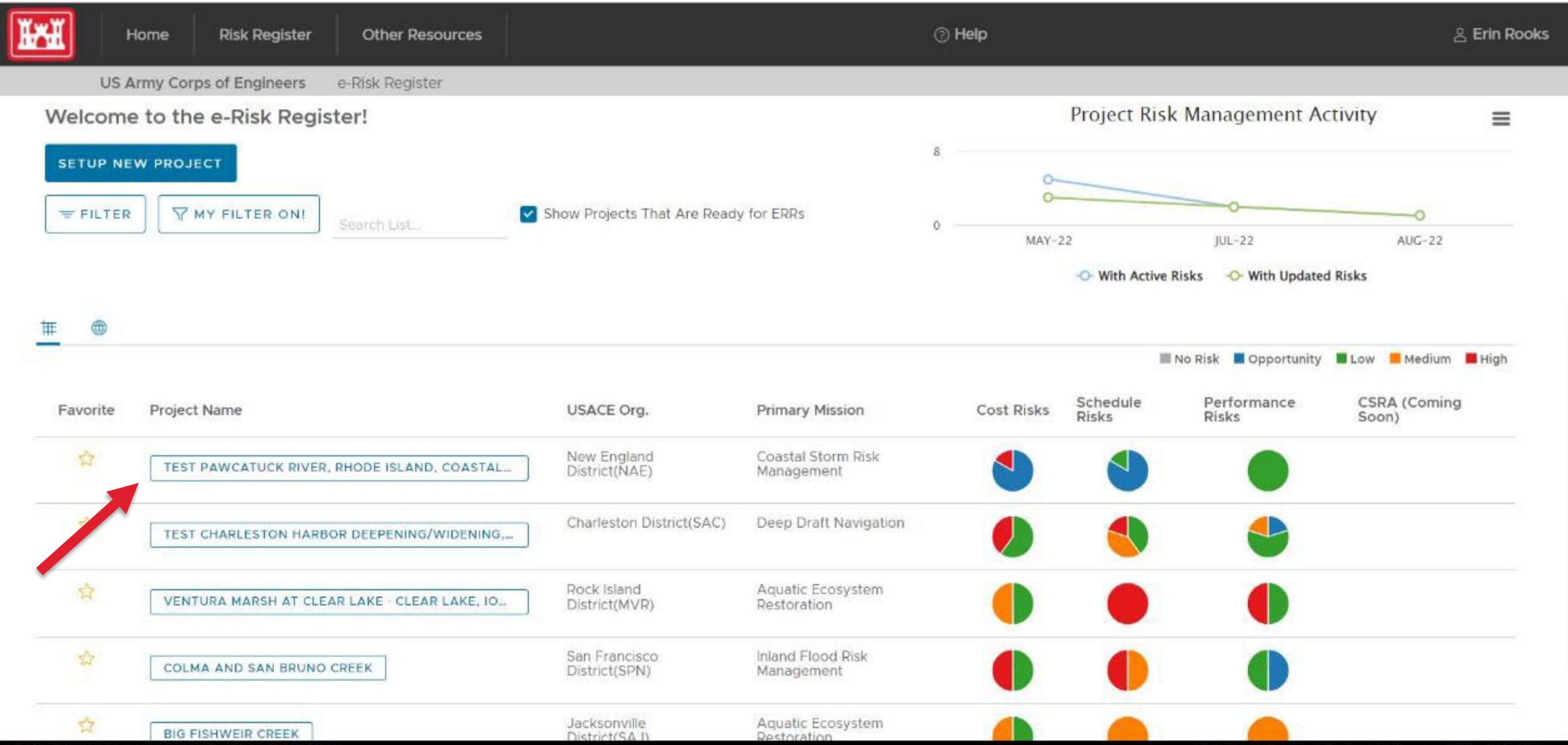

Event Likelihood
Unlikely (30% to 50%)
Cost Impact
Schedule Impact
Performance Impa
6. Milestones & Risk
Project Initiation
Senior Leaders Briefing
RISK RESPONSE
Measure ID
Implemented
There is no data at the moment!
Items per page 20
1 - 20 of 0 items
NEXT
Add a New Risk Response...
Mitigation
Risk Response Type
Proposed Risk Response 0 of 1000
15000
Cost Impact in Dollars
Recommended
14
Schedule Impact in Days
Implemented
CANCEL
SAVE MEASURE

SAVE CHANGES

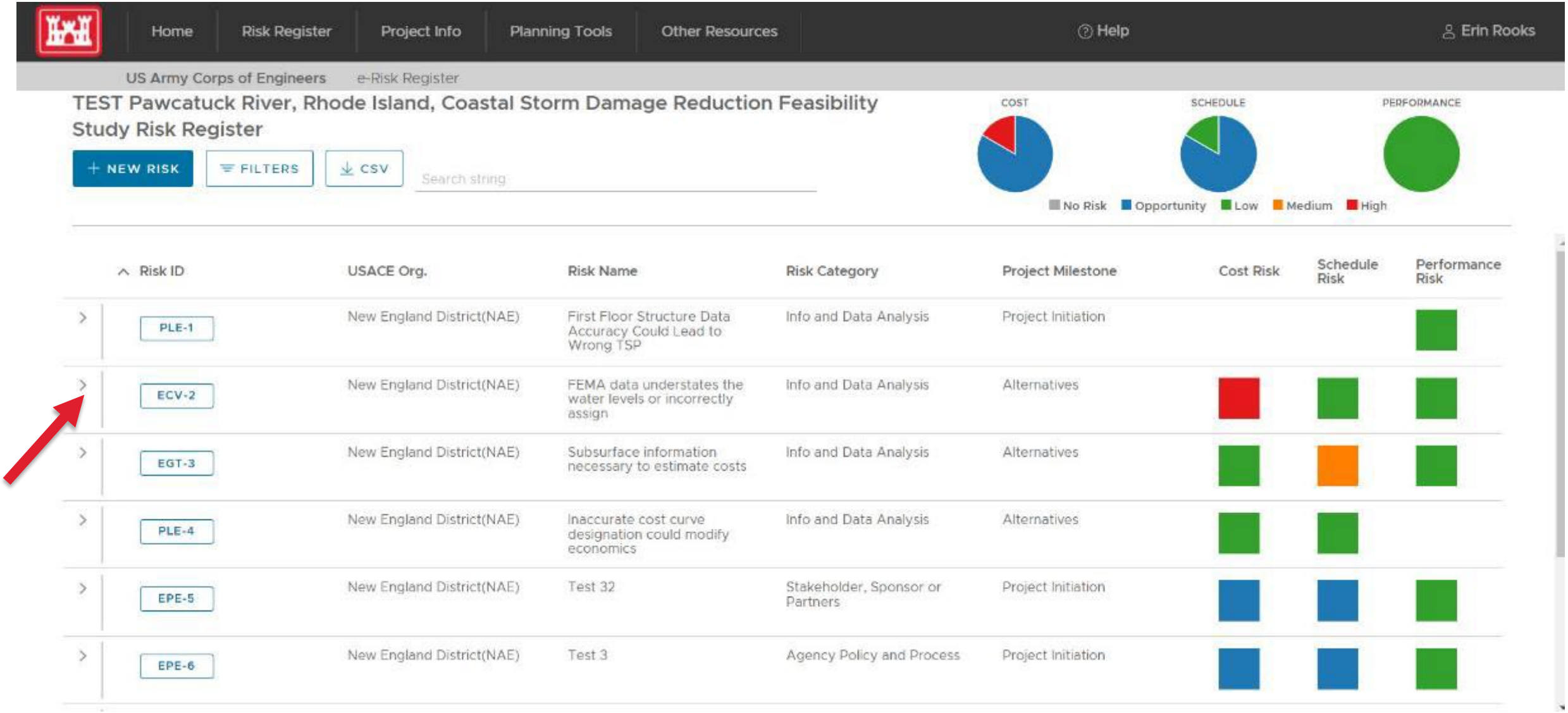


VIEWING AND EDITING A RISK

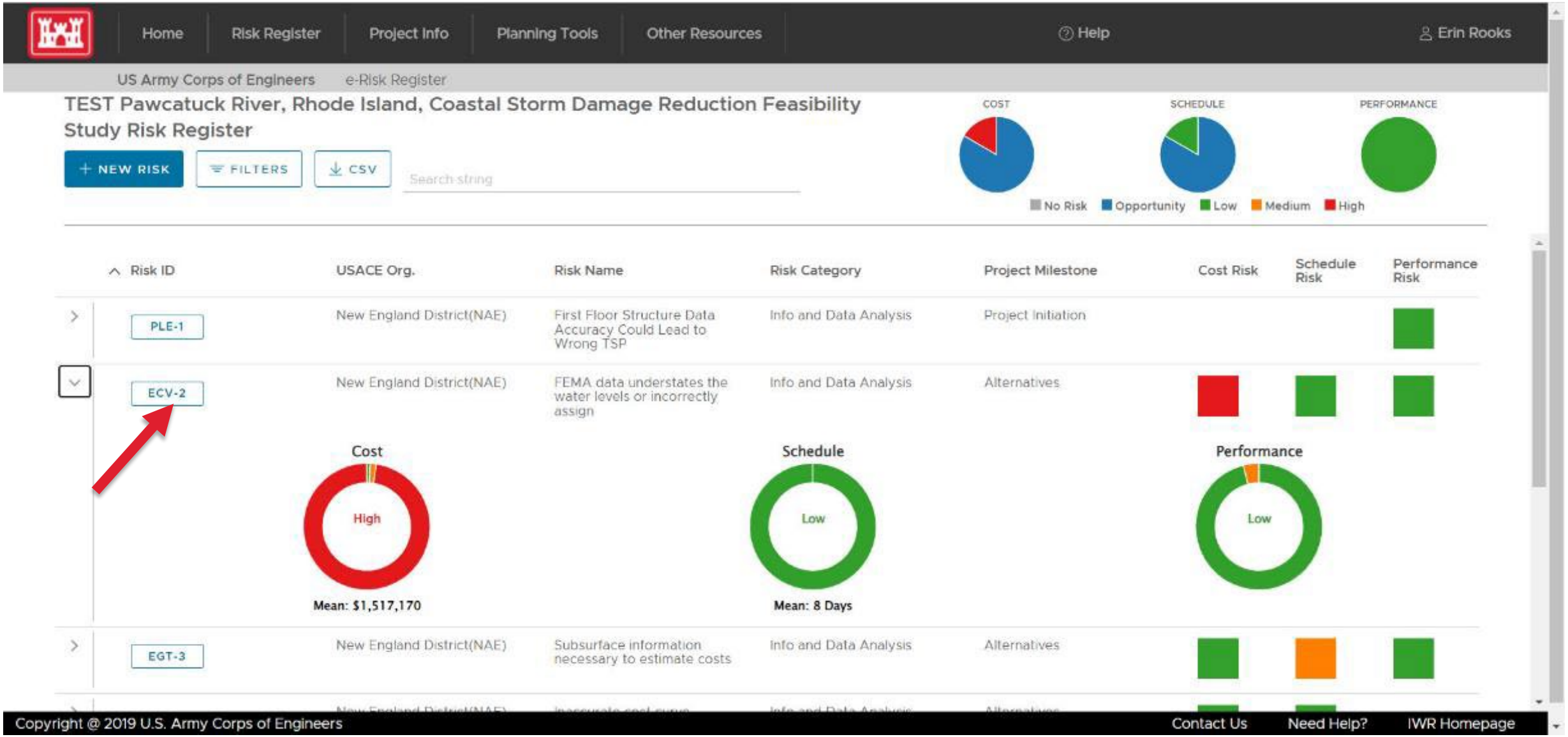
HOMEPAGE


Home
Risk Register
Other Resources
Help
Erin Rooks
US Army Corps of Engineers
e-Risk Register
Welcome to the e-Risk Register!
SETUP NEW PROJECT
FILTER
MY FILTER ON!
Search List...
Show Projects That Are Ready for ERRs
Project Risk Management Activity
8
0
MAY-22
JUL-22
AUG-22
With Active Risks
With Updated Risks
No Risk
Opportunity
Low
Medium
High
Favorite
Project Name
USACE Org.
Primary Mission
Cost Risks
Schedule Risks
Performance Risks
CSRA (Coming Soon)
TEST PAWCATUCK RIVER, RHODE ISLAND, COASTAL...
New England District(NAE)
Coastal Storm Risk Management
TEST CHARLESTON HARBOR DEEPENING/WIDENING,...
Charleston District(SAC)
Deep Draft Navigation
VENTURA MARSH AT CLEAR LAKE - CLEAR LAKE, IO...
Rock Island District(MVR)
Aquatic Ecosystem Restoration
COLMA AND SAN BRUNO CREEK
San Francisco District(SPN)
Inland Flood Risk Management
BIG FISHWEIR CREEK
Jacksonville District(SAJ)
Aquatic Ecosystem Restoration
Copyright @ 2019 U.S. Army Corps of Engineers
Contact Us
Need Help?
IWR Homepage

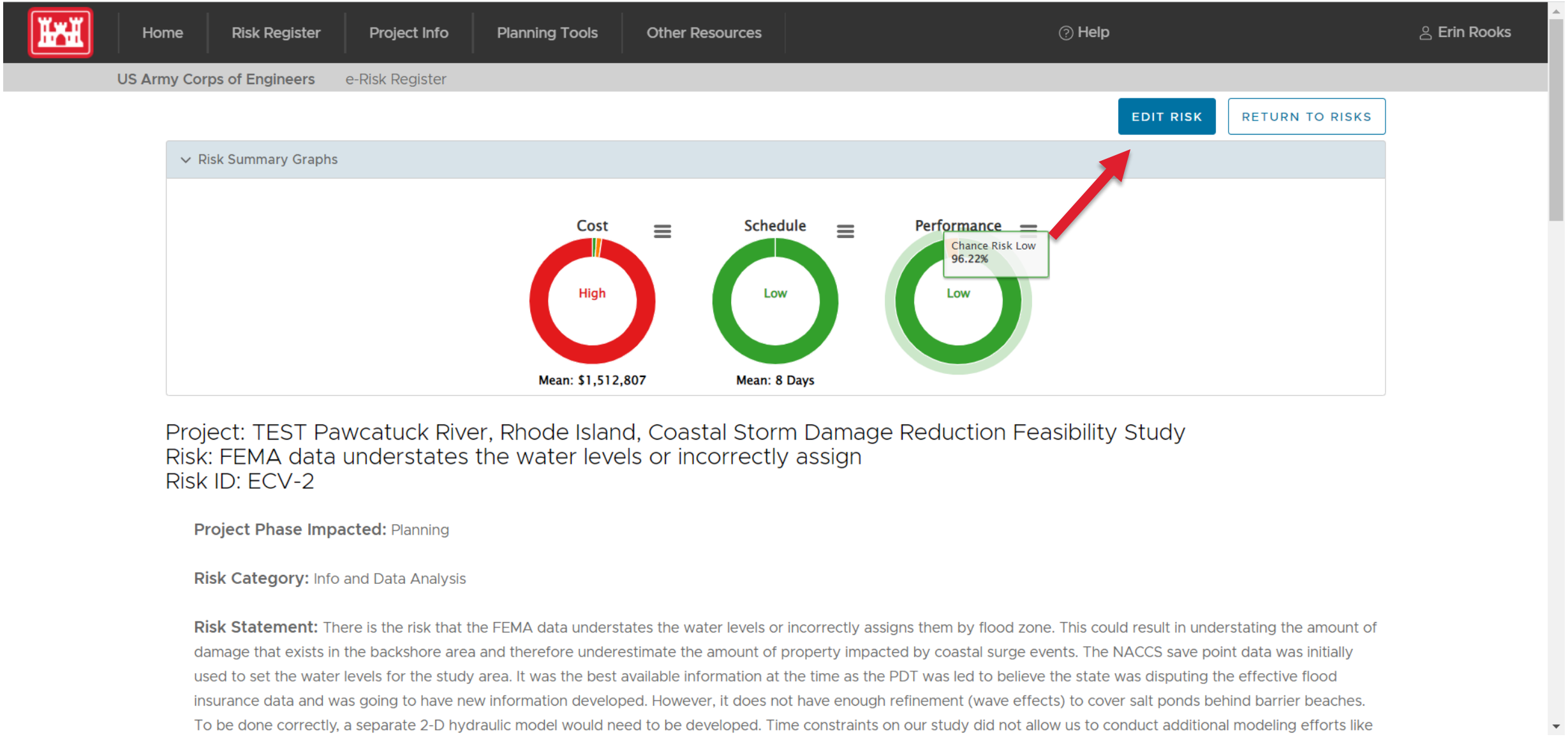
PROJECT HOMEPAGE



EXPANDED VIEW WITHIN PROJECT SCREEN



INDIVIDUAL RISK VIEW



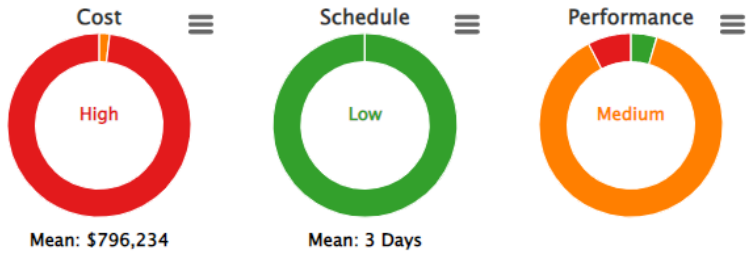
Project: TEST Pawcatuck River, Rhode Island, Coastal Storm Damage Reduction Feasibility Study
Risk: FEMA data understates the water levels or incorrectly assign
Risk ID: ECV-2

Project Phase Impacted: Planning

Risk Category: Info and Data Analysis

Risk Statement: There is the risk that the FEMA data understates the water levels or incorrectly assigns them by flood zone. This could result in understating the amount of damage that exists in the backshore area and therefore underestimate the amount of property impacted by coastal surge events. The NACCS save point data was initially used to set the water levels for the study area. It was the best available information at the time as the PDT was led to believe the state was disputing the effective flood insurance data and was going to have new information developed. However, it does not have enough refinement (wave effects) to cover salt ponds behind barrier beaches. To be done correctly, a separate 2-D hydraulic model would need to be developed. Time constraints on our study did not allow us to conduct additional modeling efforts like

EDIT RISK (PHASE CANNOT BE EDITED)



Risk Identification Existing environmental data may not satisfy other agencies

Existing environmental data may not satisfy other agencies

Short Description of Risk

Info and Data Analysis

Risk Category

Existing data may not prove accurate enough for impact determinations required by resource agencies. EFDC data collection might take longer, or have additional parameters added to it. Since EFDC will not be used for the FSM meeting, it should not delay FSM. Might cause a delay to AFB.

Risk Description *(Optional)* 286 of 2000

Planning - Environmental

Risk Owner Discipline

Hamna Zaheer

Risk Owner