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# REGULATED RESEARCH COMMUNITY OF PRACTICE

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SURA | APRIL 15, 2022

NSF #22001028

PRESENTED BY: CAROLYN ELLIS

# DRIVING NEED

## Individual Institutions

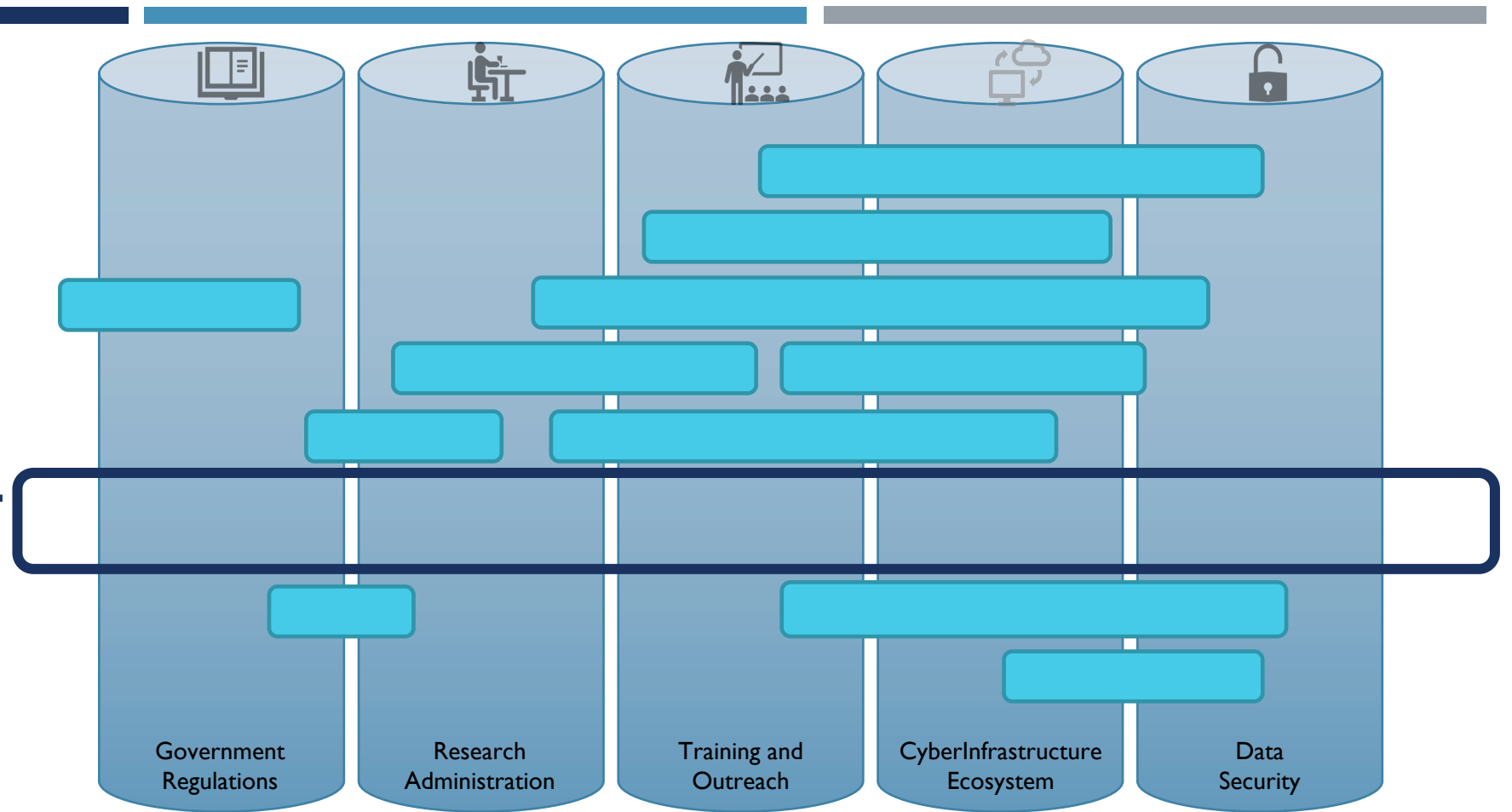
- High Barrier to Entry (People, Processes, Technology)
- Duplicative Effort Across Academic Institutions
- Highly Reactive

## Nationally

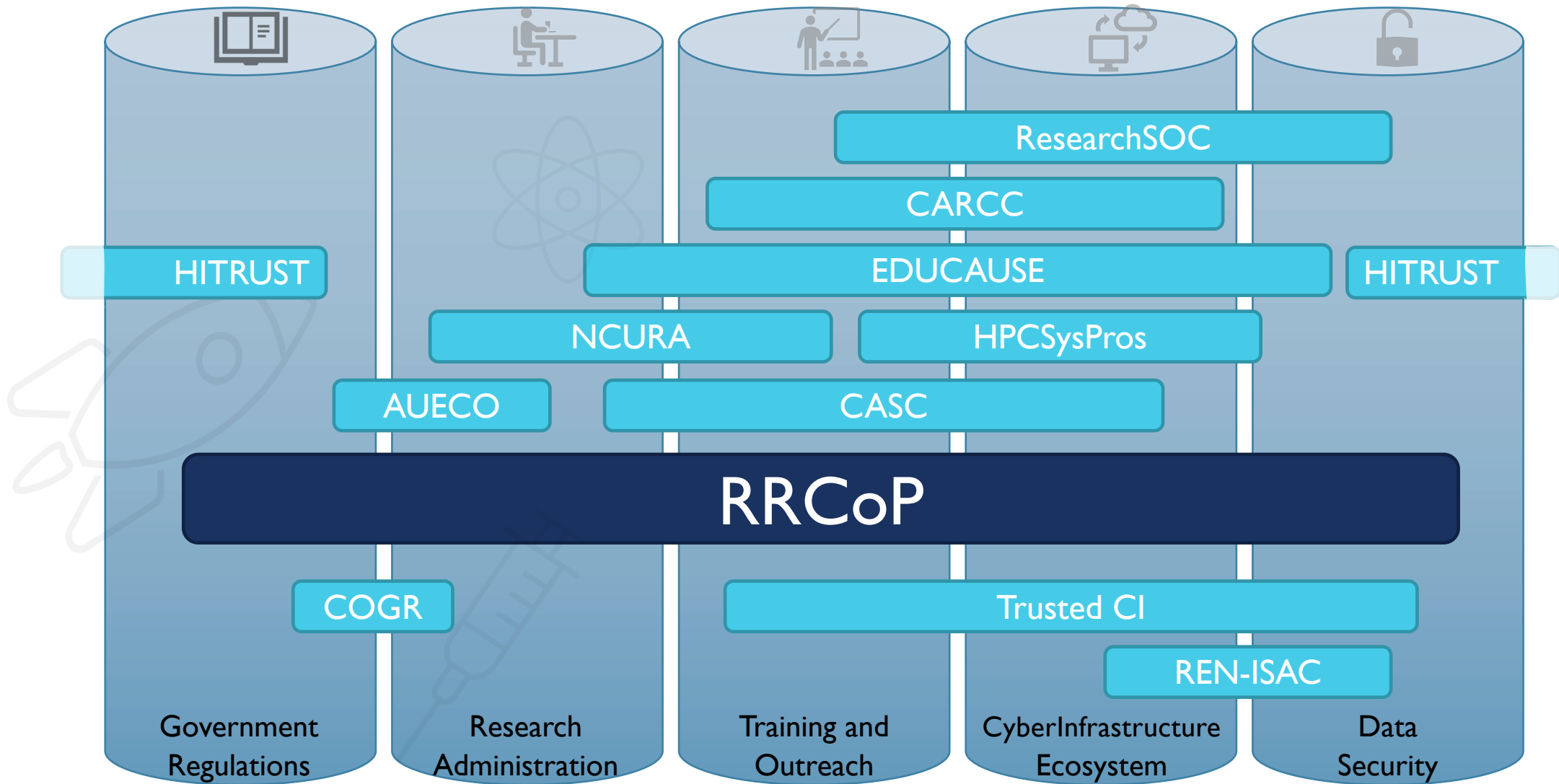
- Uptick of New Regulations
- Successful Approaches not Widely Known
- Lack of Higher Education Representation



# STRATEGIC FIT



MANY ALIGNED COMMUNITIES TALKING ABOUT THEIR SPECIFIC CHALLENGES,  
NO GROUP SPANS END TO END THROUGH ALL OF THE IMPACTED DOMAINS.



RRCoP spans multiple stakeholder domains and bridges between other existing communities.

# IMPACTED ROLES OF REGULATED RESEARCH

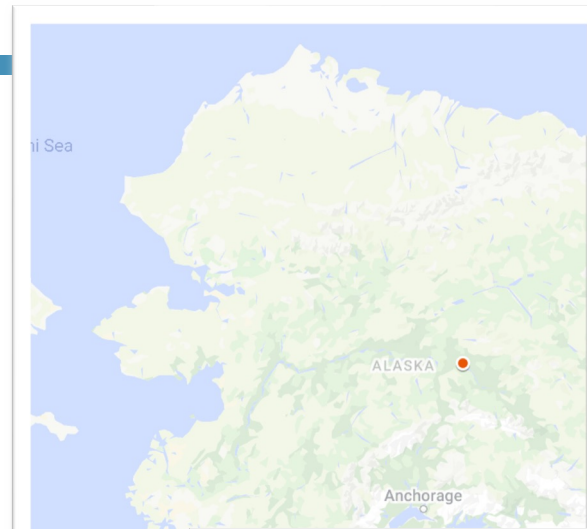


RRCoP spans multiple stakeholder domains and bridges between other existing communities.



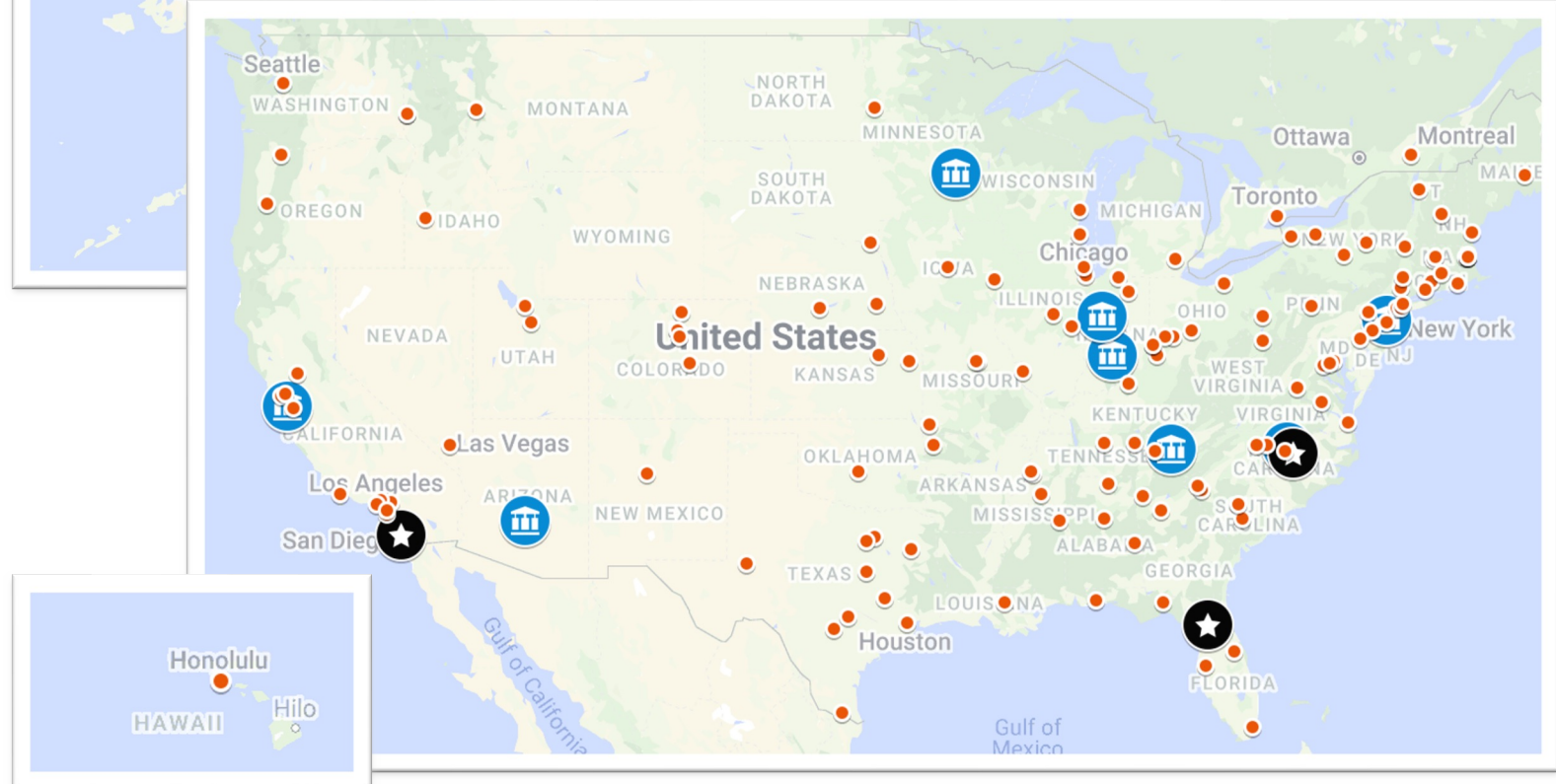
# WHO'S PARTICIPATING?

- 146 Higher Education Institutions
- 240 individuals on mailing list with total population of 684 members of HigherEdCUI Slack community
- Strategic Partners
- Various Aligned Communities
- Diverse Roles throughout Workflow



RRCoP reduces the cost of the administrative burden at a National level by elevating institution's work and reducing the time to support a new regulation.

This in turn, makes institutions more competitive for collaboration and research contracts.



# ABOUT RRCOP (NSF #2201028)

- Funded beginning December 2021 through November 2024
- Led by Carolyn Ellis, UCSD, & Erik Deumens, University of Florida, with advisory support from 10 other institutions

## Project Goals



### **Build a community**

Focus on compliance as a whole  
Connect with other communities



### **Build resources**

Learn and build together  
Share, train, mentor  
Help emerging programs



### **Advocate and negotiate**

Document use cases  
Attain a position of trust  
Get a voice at the table and in the process



### **Manage change**

Share when threat landscape changes rapidly  
Manage response when requirements change rapidly



### **Simplify compliance**

Resources will simplify the compliance process  
Develop best practices

# BUILD A COMMUNITY – OBJECTIVES

## Focus on compliance as a whole

- Technical cyberinfrastructure
- End to end business processes & handoffs
- When & How to motivate and justify compliance to leadership or researchers

## Connect with other communities

- Do not reinvent the wheel!
- RRCoP orchestrates and coordinates cybersecurity, research facilitators, grant administrators, researchers, etc. provide expertise, training, guidance on specific strengths of each





# BUILD RESOURCES – OBJECTIVES

## Learn and build together

- Technical solutions – system specifications and configurations
- Business processes – Who is responsible for what? Who needs to talk to whom?

## Share, train, mentor

- White papers, guides, training videos
- Process to volunteer as mentor and to seek one
- Identify & build workforce and leadership development program

## Help emerging programs

- Resources and training: provide a fast path
- Avoid expensive trial and error while getting started
- Proactively engage HBCU and TCU



# ADVOCATE AND NEGOTIATE – OBJECTIVES

With regulators, agencies, etc.

## Document use cases

- Describe controls – point out difficulties to implement
- Develop compensating controls
- Document interaction with auditors on controls compliance

## Attain a position of trust

- A community with effective resources builds trust
- Build partnerships – EDUCAUSE, HITRUST, TrustedCI,...

## Become a voice at the table

- Be part of the process where compliance requirements and auditing processes are defined
- Influence requirements and processes



# MANAGE CHANGE - OBJECTIVES

## Threat landscape changes rapidly

- Ransomware has made a big change (June 2021) since the proposal was written (Dec 2020) and awarded (May 2021)
- The community can respond better than individual institutions alone

## As a consequence, requirements change rapidly

- Federal and state agencies and commercial companies add new requirements



# SIMPLIFY COMPLIANCE - OBJECTIVES

## Resources will simplify the compliance process

- Grant administrators
- System and network administrators
- Researchers
- Compliance and security officers
- By leveraging what has been shown to work

## Reduce risk to institutions, faculty, staff, students

- By providing training and guidance on tried practices



# DELIVERABLES

Monthly meetings with rotating topics and activities

Six half day workshops

Repository of generalized and specific resources for handling regulated research programs

Community Strategic Roadmap



# WEBSITE

## Current:

- Project Information
- Recordings of webinars (RRCoP & trusted partners)
- Outcomes from Regulated Research Workshop Series
- Future Requests
- Regulations news and trusted links
- Get Involved

## Future Interests:

- Portal for sensitive data sharing



<https://www.RegulatedResearch.org>



# PLANNING SESSIONS - TOPICS OF INTEREST

## Training Topics

- Cost Model
- Sustainable SSP
- Governance
- Tools – Best of Breed
- Vendors
- Acceptable control implementations
- Best Practices
- Assessments
- Templates
- Case Studies
- Policies, procedures, standards, guidelines

## Possible Communities and Partners

- |                    |                         |             |
|--------------------|-------------------------|-------------|
| ■ AAMC-GIR         | ■ EDUCAUSE              | ■ NSA       |
| ■ AEHiS            | ■ HITRUST               | ■ NSF       |
| ■ AUECO            | ■ IEEE                  | ■ REN-ISAC  |
| ■ Campus Champions | ■ IAPP                  | ■ TRUSTEDCI |
| ■ CaRCC            | ■ National Archives CUI |             |
| ■ CASC             | ■ NCHICA                |             |
| ■ CISA             | ■ NCURA                 |             |
| ■ CMMC-AB          | ■ NDIA                  |             |
| ■ COGR             | ■ NIST                  |             |
| ■ DoD              | ■ NIH                   |             |

GET INVOLVED

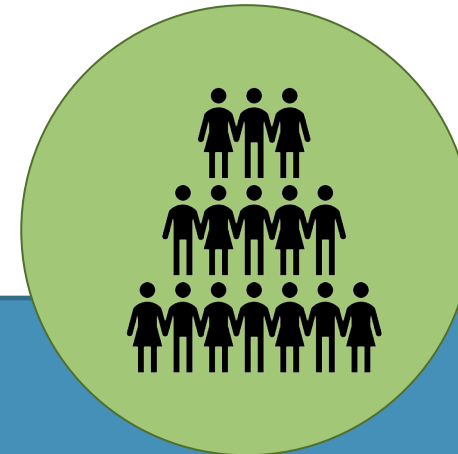
[www.RegulatedResearch.org](http://www.RegulatedResearch.org)

Email us at: [Info@regulatedresearch.org](mailto:Info@regulatedresearch.org)



## Community Activists

Domain Scientists  
Strategic Partnerships  
Working Groups  
Mentoring Circles



## Early Community Members

Individuals from Institutions  
across the country