

Introduction to the Regulatory Center of Excellence

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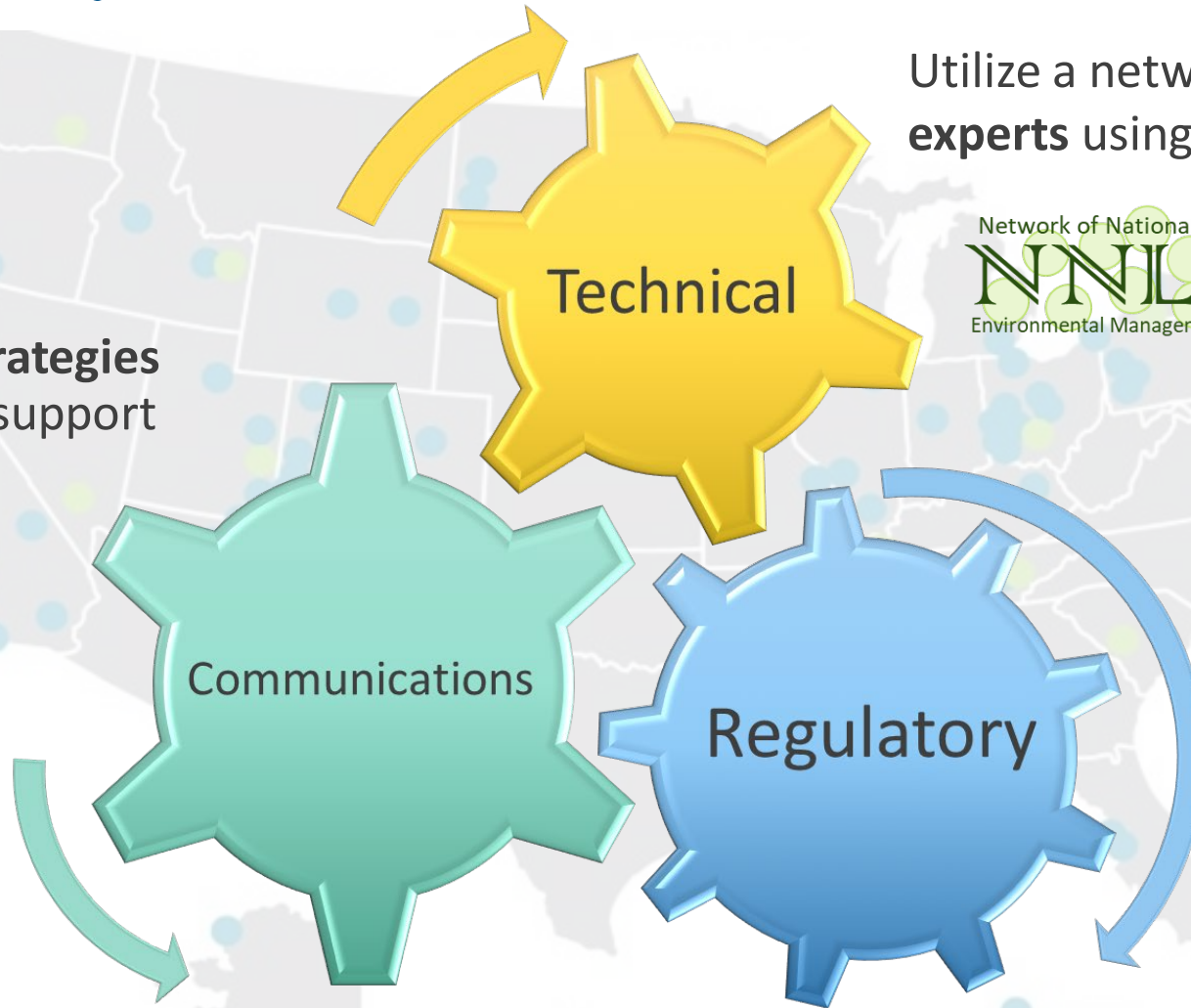
SRNL's Regulatory Center of Excellence

Communication strategies that build positive support for recommended approaches and technologies.

Utilize a network of **technical experts** using the SRNL-led

Network of National Laboratories for
NNLEMS
Environmental Management and Stewardship

Facilitate stakeholder and **regulator buy-in** to implement innovative technologies and regulatory strategies



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Energy.gov



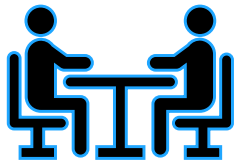
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Mission of the Regulatory Center of Excellence

Connect customers with technical, regulatory, policy and communications experts



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Facilitate open dialogue approaches

Develop strategies to address questions and help educate regulators and stakeholders



Savannah River National Laboratory



- Offices of Environmental Management and Legacy Management Corporate laboratory
- Soil and Groundwater Remediation – Characterization of transport, Contaminant Migration Mediation, Monitoring Innovations, ALTEMIS, Mesoscale Transport and Flux Facility (MTAFF)
- Applied Radioecology
- Tank Waste Processing and Disposal
- Leads the



- More than 30 years of collective experience supporting design and implementation of regulatory strategies
- Team of regulatory experts, communicators, decision makers, and regulatory practitioners
- Extensive experience and knowledge of DOE and National Nuclear Security Administration (NNSA) sites
- Delivery of integrated solutions in several areas including:
 - Regulatory Strategy Support
 - Communication Facilitation and Conflict Resolution
 - NEPA Analysis
 - Permitting (e.g., RCRA, CWA, CERCLA) Support
- Strategic communication planning dealing with nuclear and controversial technical issues



David Wilson – L&A Lead

RCRA - Resource Conservation and Recovery Act

CERCLA - Comprehensive Environmental Response, Compensation and Liability

CWA - Clean Water Act

NEPA - National Environmental Policy Act

- SRS – Regulatory strategy and document development related to liquid waste, RCRA and CWA permitting, CERCLA and regulatory coordination
 - Oak Ridge - Implementation of regulatory partnership framework including dispute resolution and prevention
 - Waste Isolation Pilot Plant (WIPP) - supported permit changes necessary for facility changes/upgrades
 - Idaho - Support to Idaho Cleanup Project on waste disposition strategies
 - Los Alamos National Laboratory (LANL) Legacy Cleanup – Regulatory support related to RCRA permitting, Consent Order compliance
 - EM – Assistance related to DOE-EPA/States dialogue and regulatory relationship frameworks
- RCRA - Resource Conservation and Recovery Act
- CERCLA - Comprehensive Environmental Response, Compensation and Liability
- CWA - Clean Water Act
- NEPA - National Environmental Policy Act

University of Georgia and School of Public and International Affairs (SPIA) Resources

- UGA is ranked **#18** among public universities
- The School of Public and International Affairs is ranked **#4** among public affairs schools



Justin Conrad – UGA Partner



- Multi-disciplinary expertise to support the RCE mission including:
 - Regulatory engagement
 - Environmental governance
 - Public communications
 - Collaborative processes

CITS Resources



UNIVERSITY OF
GEORGIA
Center for International
Trade & Security
School of Public & International Affairs

- Established in 1987
- Today CITS faculty, staff and fellows are leaders in:
 - Nonproliferation
 - Nuclear security and safety
 - Energy security
 - Human security
 - Strategic trade management
- Capacity-building efforts on behalf of DOS or DOE
- Consulting with US Agency for International (USAID) Development for globally based projects

Center For International Trade & Security

*2020 -
2021
Annual
Report*

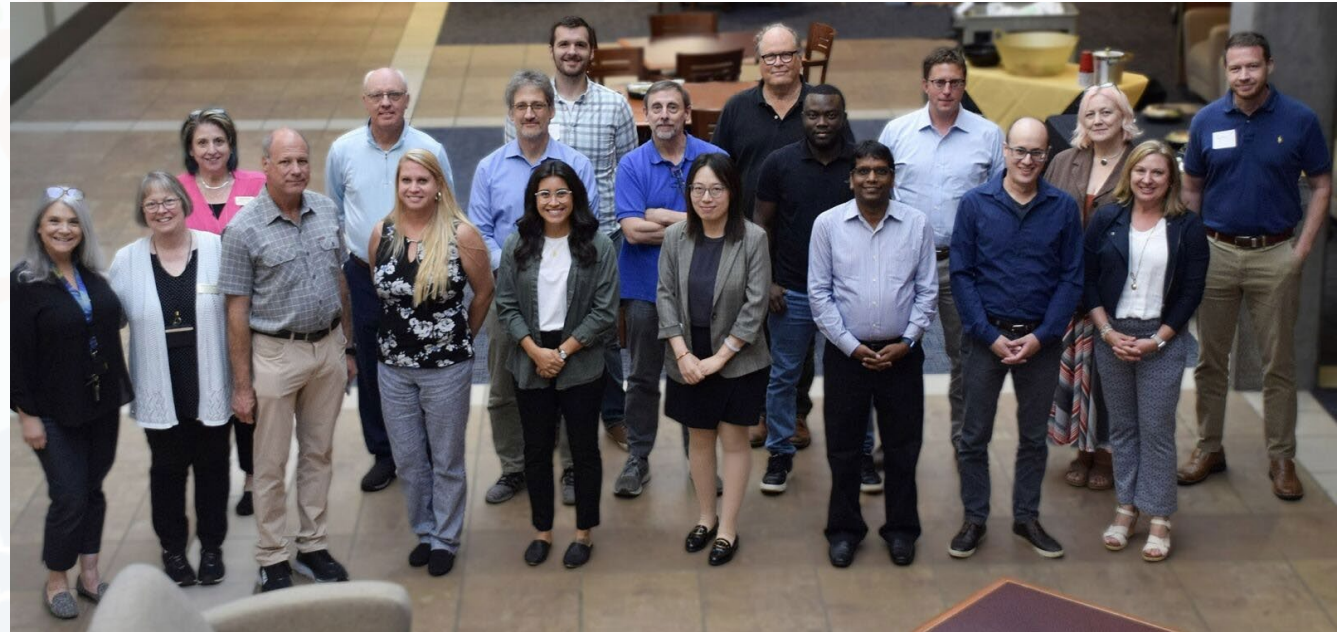


Capabilities and Impacts of the RCE – Fluoropolymers in Commerce

- Congressionally-directed reports
- Analysis of use in the aerospace, automotive, battery, building construction, chemical processing, electronics, infrastructure, semiconductor, solar panel, and wind energy industries
- Replacement technologies
- Life-cycle assessment with cost-benefit assessment



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Capabilities and Impacts of the RCE – DOE site support

- Energy Technology Engineering Center (ETEC) at the Santa Susanna Field Laboratory in Simi Valley, California
- Los Alamos Chromium Plume
- Green River site support for NRC regulatory activities
- PFAS support to sites



Capabilities and Impacts of the RCE – Academic and Research Strengths

- Create a new pipeline of interested students in policy and regulatory sciences
- World-class research on policy and governance

Leadership, Representation, and Attrition in the Life Cycle of the Collaborative Arrangement

Emily Bell, Sechindra Vallury, and Justin Conrad



RCE Potential Functions

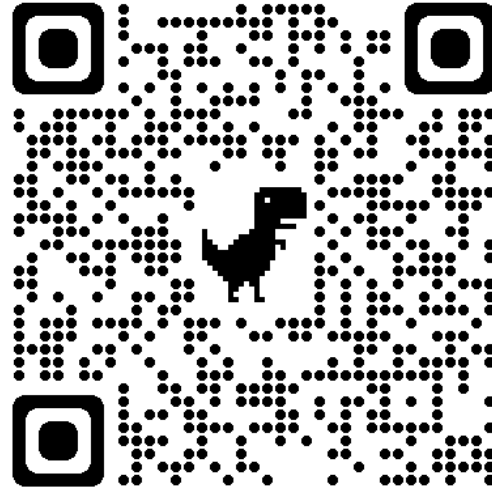
- Regulatory and Policy Assistance
 - Reviewing the regulatory process and suggesting improvements and streamlining options
 - Assisting with new policy implementation and communication approaches
 - Regulatory Framework for innovative technologies
 - Innovative regulatory Strategies
 - Methods and policy implementation for contaminants of emerging concern
- Strategic Communications Support
 - Stakeholder engagement
 - Regulatory interaction
- Energy Equity, Energy Justice, and Environmental Justice
 - Ensuring energy equity, energy justice and environmental justice factors are being considered



Thank you!

Email us: RCE@SRNL.DOE.GOV

Visit our webpage:



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UGA: Justin Conrad



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