

The Power of Partnerships

Presentation to:

Toxics Release Inventory (TRI) National Conference

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October 24, 2023

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Introduction Video: EPA and What We Do



(516) EPA Onboarding: Welcome to EPA - YouTube



EPA Mission/Overview

- STE(A)M & DEIA-J
- **MSIs**
- **Promoting Partnerships**
- Organization
- **Next Steps**
- Q&A



EPA: Our Mission and What We Do

The United States Environmental Protection Agency's Mission:

To protect human health and the environment

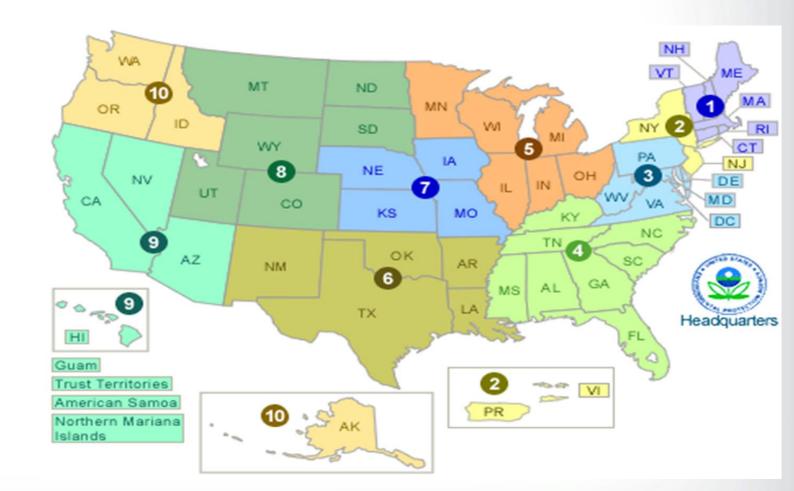
Healthier environment and world for everyone,

cleaning up our land, our water and our air.

SEPA

EPA: USEPA Overview

- EPA employs approximately 18,000 people across the country, including in HQ and 10 regional offices, and several laboratories
- Staff is highly educated and technically trained;



> More than half are engineers, scientists, and policy analysts



EPA: USEPA -TRI

Increasing EPA data use and awareness among Academic Science, Technology, Engineering, and Math Communities



EPA works to...

- 1. Develop and enforce regulations
- 2. Give grants
- 3. Study environmental issues
- 4. Sponsor partnerships
- 5. Teach people about the environment
- 6. Publish information



What is STE(A)M?

Science Technology Engineering and Math Science Technology Engineering Arts and Math

The term STEM was created in 2001 by the National Science Foundation



The term morphed into STEAN to incorporate A-Art, Design, and graphic representation





EPA's STEAM Objectives

Partnerships	Funding	Developmental Opportunities
 Collaborative Research Community Activities Intergovernmental Personnel Act (IPA Assignments) 	 Grants Communicate Existing Funding Streams Scholarships Fellowships Post Docs 	 K-12 Field Trips Internships MOUs with Colleges/Universities Interactive Chats



We value diversity at EPA and are striving to strengthen our workforce and culture with a renewed focus on Diversity, Equity, Inclusion, and Accessibility.

We are committed to creating a diverse workforce because we know that the individual strengths and abilities of our employees make us a stronger organization. The more inclusive our employee base is, the greater the variety of ideas that are generated, and the more representative we are of the nation we serve.



A C C E S S I B I L I T Y



DEIA and **Environmental Justice**

Executive Orders - DEIA

- Executive Order 14035: Diversity, Equity, Inclusion, and Accessibility in the Federal Workforce
- 2. <u>Executive Order 13985: Advancing Racial Equity and Support for Underserved</u> <u>Communities Through the Federal Government</u>
- Executive Order 14031: Advancing Equity, Justice, and Opportunity for Asian Americans, Native Hawaiians, and Pacific Islanders
- <u>Executive Order 13988: Preventing and Combating Discrimination on the Basis of Gender</u>
 <u>Identity or Sexual Orientation</u>



DEIA and **Environmental Justice**

Executive Orders – Environmental Justice

- 1. Executive Order 14008 Tackling the Climate Crisis at Home and Abroad
- 2. <u>Executive Order 14096, Revitalizing Our Nation's Commitment to</u> <u>Environmental Justice for All</u>
 - White House Environmental Justice Interagency Council
 - White House Environmental Justice Advisory Council
 - Justice40 Initiative

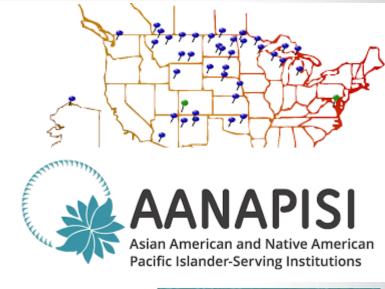
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Minority Serving Institutions - MSIs

Minority Serving Institutions (MSIs)

Institutions of higher education that serve minority populations

- **AANAPISI** Asian American and Native American Pacific Islander Serving Institutions
- ANNH Alaska Native and Native Hawaiian
- **HBCU** Historically Black College and Universities
- **HSI** Hispanic Serving Institutions
- **NASNTI** Native American Serving Nontribal Institutions
- **PBI** Predominantly Black Institution (originally PWI)
- **TCU** Tribal College and University





Set EPA

Promoting Partnerships

- Professional and career development
- Develop future leaders that understand EPA's mission and how their actions impact the environment and human health
- Ensure that students acquire necessary scientific research skills to investigate, analyze, interpret, and solve complex environmental problems and environmental justice issues

Shape the next generation of diverse environmental stewards in EPA

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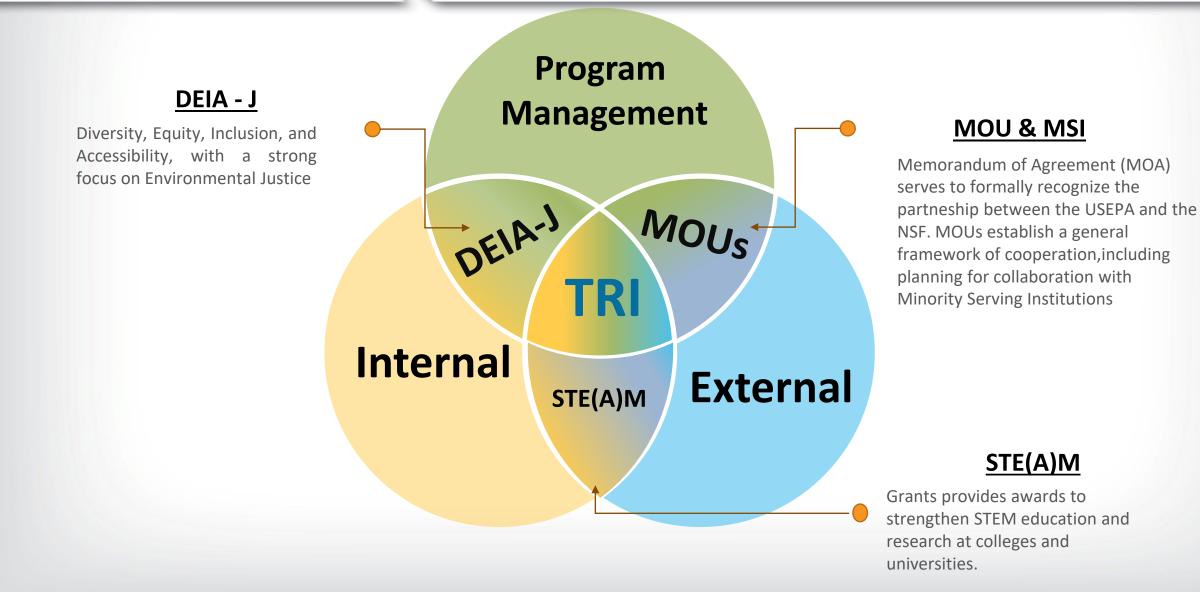
Assessment and Observation

Suggestions/Ideas

- 1. STE(A)M Seminars
- 2. Shadow/Chat with a Scientist
- 3. Publicize Databases
- 4. Collaborative Research
- 5. Virtual Opportunities
- 6. Hiring Fairs
- 7. Develop Curriculum
- 8. Utilize existing Campus/Community Activities



EPA: Organizational Framework



SEPA



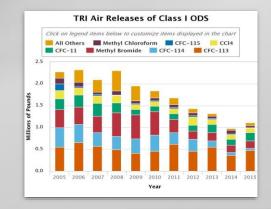
EXPOSE STUDENTS TO TRI DATA, TOOLS, AND ANALYSIS

TRI

Community of Practice Network

GENERATE INNOVATIVE PROGRAMS, ACTIVITIES, RECOMMENDATIONS, & RESEARCH





IMPROVE THE ACCESSIBILITY, AWARENESS, AND USE OF TRI DATA

BUILD A DIVERSE PORTFOLIO OF PRACTICAL AND REPLICABLE PROJECTS



Thank You!

Questions? Comments? Ideas?

Please contact:

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U.S. ENVIRONMENTAL PROTECTION AGENCY

