

# RISK21 Risk Assessment Summit

February 18-19, 2020

Washington, DC

Dr. Syril D Pettit HESI Executive Director



The purpose of information is not knowledge. It is being able to take the right action.

-Peter Drucker

# The HESI Model:

# Bridging Research to Application



### **IMPROVED**

# SAFETY AND INNOVATION FOR HUMAN AND ENVIRONMENTAL HEALTH



Academic, Clinical, & Research Scientists & Organizations





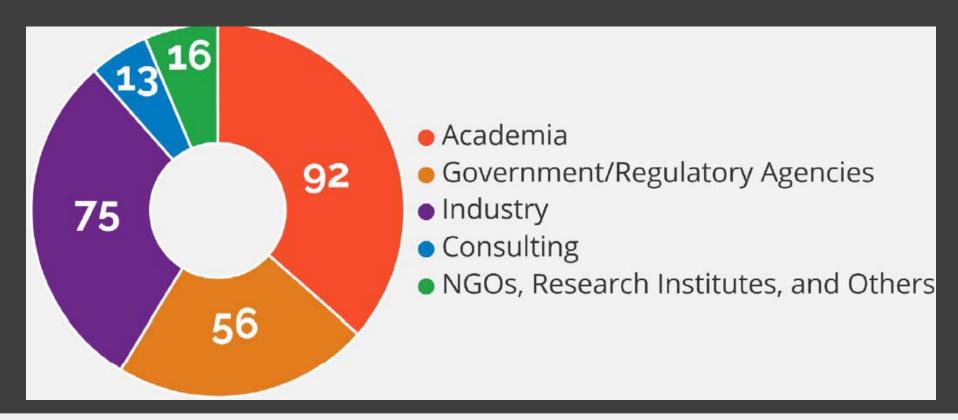
Industry Research & Development



NGOs, Patient Advocacy Groups, & Foundations

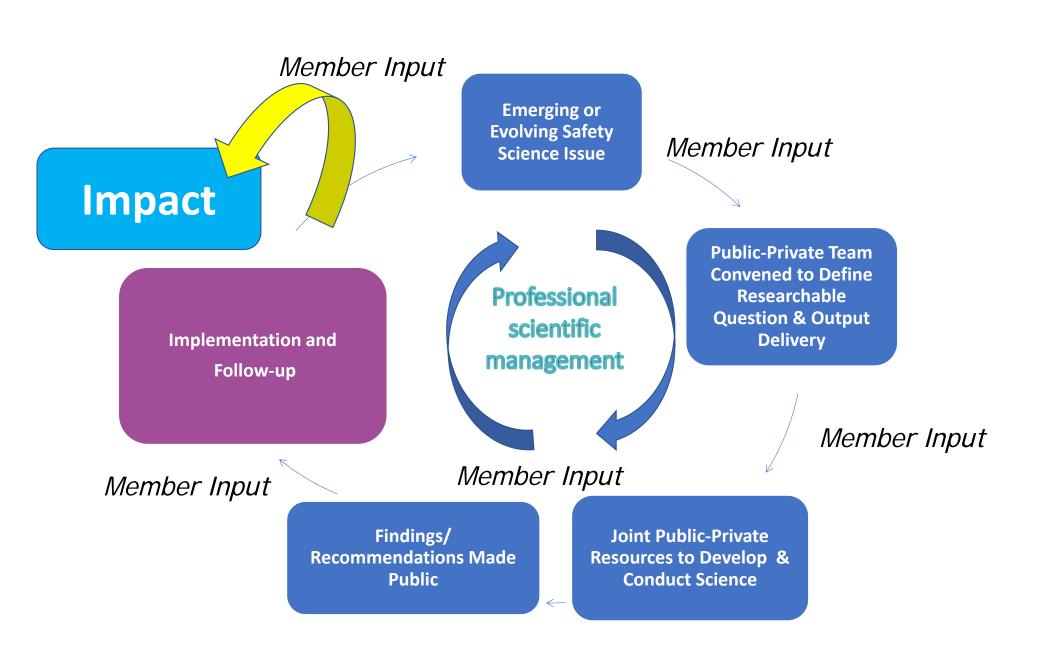


Government Research & Regulation



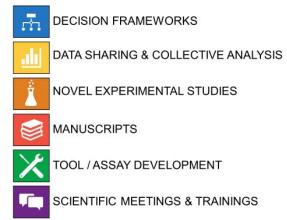
HESI Participation & Support

- 65% Public Sector
- 35% Private Sector
- >250 Active Partner Organizations, >600 scientists
- Research Program Funding from Both Public & Private



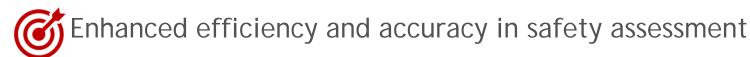


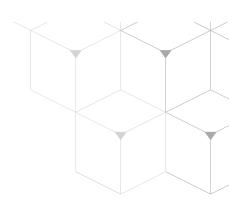






# What impacts do HESI's Programs Have?







Enhanced societal knowledge base of biological and environmental processes relevant to protect human and ecological health

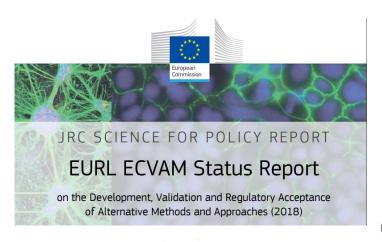


Catalysis of new science

Increased audiences for collaborative safety science



Development of scientists skilled in translational science



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MEMORANDUM OF UNDERSTANDING

Among

The Food and Drug Administration (FDA)

And

The National Institutes of Health

National Institute of Environmental Health Sciences (NIEHS),

Division of the National Toxicology Program (NTP)

About

Health and Environmental Sciences Institute (HESI)

#### I. PURPOSE

Cardiovascular safety is a significant public health concern and challenge for those seeking to

improve developr understa

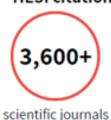


Topics V

Over 335 peer-reviewed publications from HESI scientific programs have been published over the last 30 years, with more than 100 publications in the last decade.

#### **HESI citations by the numbers:**









citing HESI work

citing organizations

citing countries

MEMORANDUM OF UNDERSTANDING BETWEEN U.S. ENVIRONMENTAL PROTECTION AGENCY AND HEALTH AND ENVIRONMENTAL SCIENCES INSTITUTE

ronmental Protection Agency (EPA or the Agency) and the International Life ) Health and Environmental Sciences Institute (HESI) (collectively, "Parties") ting scientific progress through the exchange of scientific capital to address

## **CDER Biomarker Qualification Program**

in Linkedin

OECD Home > Chemical safety and biosafety > Testing of chemicals > OECD Test Guidelines Programme

> Testing of chemicals

**OECD Home** 

**OECD Test Guidelines Programme** 

Countries V











# RISK ASSESSMENT SUMMIT

18-19 February 2020

# Bringing together the 'climbing community'

(aka risk assessors who for whom this isn't a theoretical exercise!)



Our Challenge: Use this opportunity to share hands-on experience to...

- Refine toolkits and techniques
- Identify new ways to 'climb'
- Improve our ability to use information to 'take the right action'