CTA WORKING GROUP UPDATE

TOXIC AND RISKS SUBCOMMITTEE

COMMITTEE ON ENVIRONMENT, NATURAL RESOURCES, AND SUSTAINABILITY

NATIONAL SCIENCE AND TECHNOLOGY COUNCIL

OFFICE OF SCIENCE AND TECHNOLOGY POLICY

SEPTEMBER 13, 2016

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MISSION

- Identify a common set of interests;
- Promote partnerships and collaboration;
- Promote consistency in CTA practice;
- Leverage agency resources;
- Identify cross-cutting challenges; and
- Develop new tools and risk assessment methods.

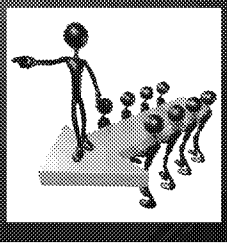
GAO REPORT

To improve coordination of federal and state chemical toxicity assessment activities, we recommend that the Director of OSTP encourage the NSTC to support relevant federal agency officials' efforts to address, as appropriate, the agencies' cross-cutting coordination challenges, such as constraints on sharing confidential business information, limited opportunities for agency officials to meet, and informal communication processes.

Source: GAO, CHEMICAL ASSESSMENTS – Agencies Coordinate Activities, but Additional Action Could Enhance Efforts, September 2014

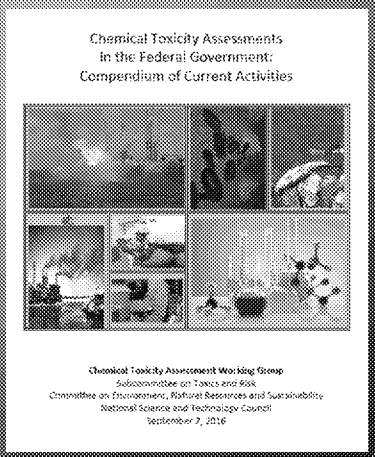
APPROACH

- Identification of Personnel
- Collection of Information
- Topics of Common Interest
- Outreach
  - Network Document
  - Possible Webinars
  - Meetings



COLLECTION OF INFORMATION

- Narratives for each agency
  - Toxicity assessment activities
  - Identify key personnel



Chemical Toxicity Assessments
in the Federal Government:
Compendium of Current Activities

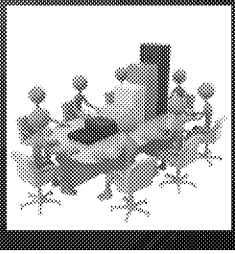
Chemical Toxicity Assessment Working Group
Subcommittee on Toxics and Risk
Committee on Environment, Natural Resources and Sustainability
National Science and Technology Council
September 7, 2016

SUCCESS STORIES

- National Nanotechnology Initiative (NNI)
- National Toxicology Program (NTP)
- Interagency Risk Assessment Consortium (IRAC)
- OMNE Committee (OSHA-MSHA-NIOSH-NIEHS-EPA)
- Interagency ATSDR Minimal Risk Level Workgroup (MRL)
- EPA's IRIS Interagency Review
- Memorandums of Understanding:
  - ATSDR-DTHHS & EPA-NCEA
  - NIOSH & EPA-NCEA

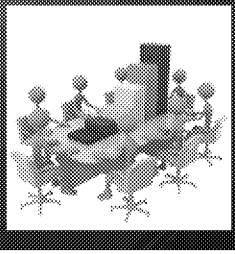
TOPICS OF CURRENT INTEREST: FRAMEWORKS

- Statutory and regulatory requirements
- Guidance for data use
  - Assessing risk for environment, occupation, and consumer
- Balancing cost-benefit and risk tradeoffs
  - Pesticides vs. Zika
- Working across agency boundaries – sharing outcomes
- Systematic Review



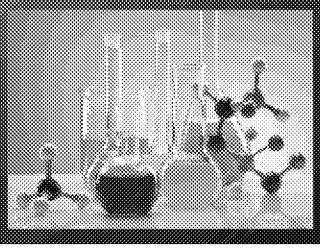
TOPICS OF CURRENT INTEREST: METHODOLOGICAL

- Using alternative toxicity testing data
- Cumulative Risk Assessment
- Model averaging tools and Bayesian approaches
- Handling background levels of exposure and risk
- Descriptors of causality for cancer and non-cancer outcomes.



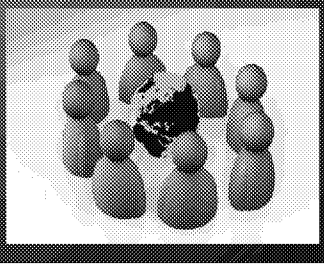
TOPICS OF CURRENT INTEREST: SPECIFIC AGENTS

- Phthalates
- Food additives (diacetyl, 2,3-pentanedione)
- Flame retardants
- Refrigerants
- Pesticides – Organophosphate and pyrethroids
- Nanomaterials
- Chemicals that cross administrative boundaries
  - Environmental
  - Occupational
  - Food
  - Consumer goods



ORGANIZING A SUSTAINABLE TOXICITY ASSESSMENT NETWORK

- Draft document identifies opportunities
- Discussion of alternative toxicity testing
- Comparing authorities and responsibilities
- Webinars or other engagements
- Chemical agents under investigation 2016-2017

DISCUSSION

- How do we establish and sustain a CTA Network?
- How can we leverage new work on TSCA?
- What topics or issues can we organize around for webinars?
- How do we engage others beyond the CTA?
- Developing a work plan and performance deadlines.