of
alth Sciences

Superfund Research Program

Strategic Planning
Your Input for Future Directions

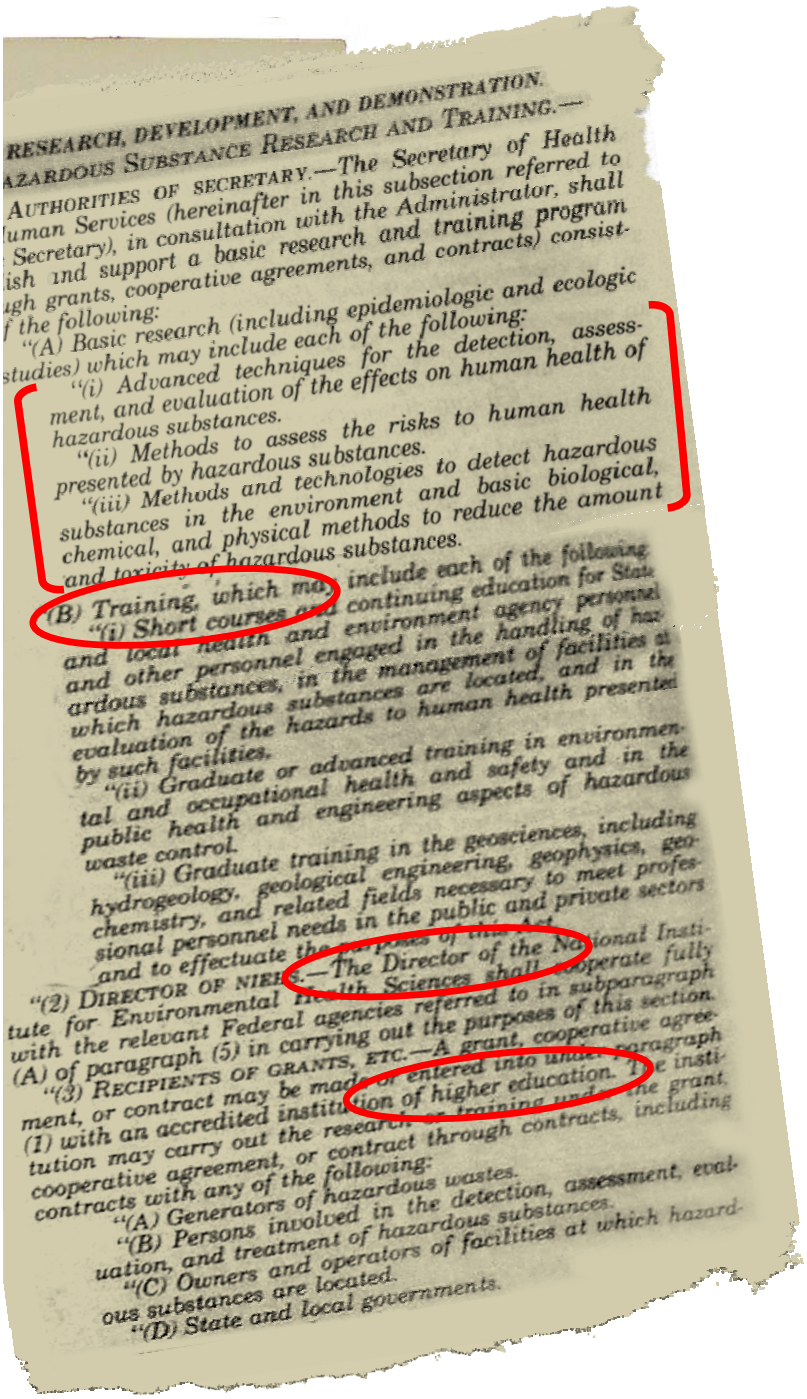
U.S. DEPARTMENT OF HE
National Ins

ces

e of Session

- Welcome
- Agenda
  - Program Mandates
  - Historical Perspective
  - Strategic Planning Process
  - Responses to Questions

SRP Authorities under SARA



RESEARCH, DEVELOPMENT, AND DEMONSTRATION.

AZARDOUS SUBSTANCE RESEARCH AND TRAINING.—

AUTHORITIES OF SECRETARY.—The Secretary of Health
uman Services (hereinafter in this subsection referred to
Secretary), in consultation with the Administrator, shall
ish and support a basic research and training program
gh grants, cooperative agreements, and contracts) consist-
f the following:

"(A) Basic research (including epidemiologic and ecologic studies) which may include each of the following:

"(i) Advanced techniques for the detection, assessment, and evaluation of the effects on human health of hazardous substances.

"(ii) Methods to assess the risks to human health presented by hazardous substances.

"(iii) Methods and technologies to detect hazardous substances in the environment and basic biological, chemical, and physical methods to reduce the amount and toxicity of hazardous substances.

(B) Training, which may include each of the following

"(i) Short courses and continuing education for State and local health and environment agency personnel and other personnel engaged in the handling of hazardous substances, in the management of facilities at which hazardous substances are located, and in the evaluation of the hazards to human health presented by such facilities.

"(ii) Graduate or advanced training in environmental and occupational health and safety and in the public health and engineering aspects of hazardous waste control.

"(iii) Graduate training in the geosciences, including hydrogeology, geological engineering, geophysics, geochemistry, and related fields necessary to meet professional personnel needs in the public and private sectors and to effectuate the purposes of this Act.

"(2) DIRECTOR OF NIEHS.—The Director of the National Institute for Environmental Health Sciences shall cooperate fully with the relevant Federal agencies referred to in subparagraph (A) of paragraph (5) in carrying out the purposes of this section.

"(3) RECIPIENTS OF GRANTS, ETC.—A grant, cooperative agreement, or contract may be made or entered into under paragraph (1) with an accredited institution of higher education. The institution may carry out the research or training under the grant, cooperative agreement, or contract through contracts, including contracts with any of the following:

"(A) Generators of hazardous wastes.

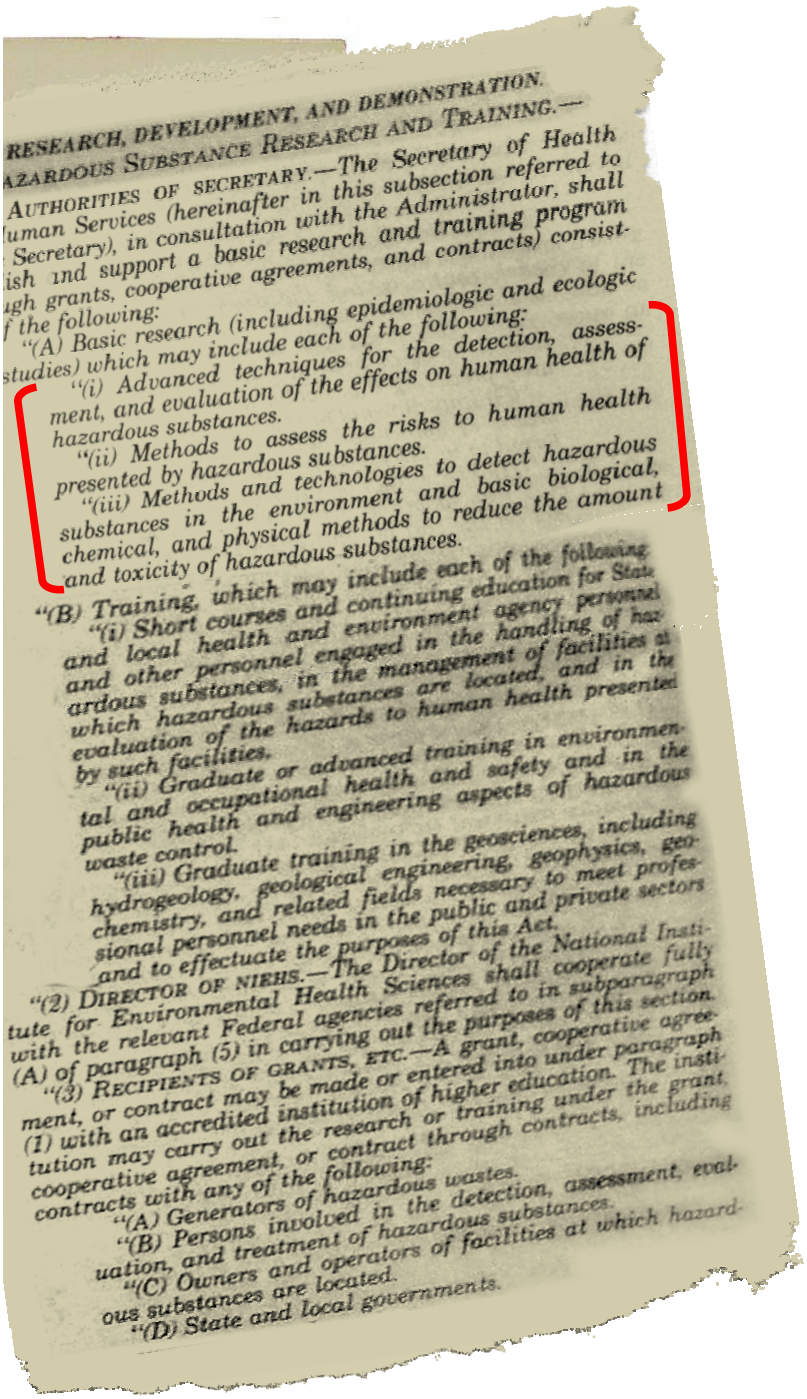
"(B) Persons involved in the detection, assessment, evaluation, and treatment of hazardous substances.

"(C) Owners and operators of facilities at which hazardous substances are located.

"(D) State and local governments.

- A university-based gra
  established in 1986 un
- Administered by NIEHS
- Supports interdisciplin
  between disciplines su
  molecular biology, eng
  epidemiology, bioavail
  hydrogeology, fate & t
- Facilitates training, co
  outreach, partnering, a
  technology transfer

SRP Authorities under SARA



RESEARCH, DEVELOPMENT, AND DEMONSTRATION.

AZARDOUS SUBSTANCE RESEARCH AND TRAINING.—

AUTHORITIES OF SECRETARY.—The Secretary of Health uman Services (hereinafter in this subsection referred to Secretary), in consultation with the Administrator, shall ish and support a basic research and training program gh grants, cooperative agreements, and contracts) consist- f the following:

"(A) Basic research (including epidemiologic and ecologic studies) which may include each of the following:

"(i) Advanced techniques for the detection, assessment, and evaluation of the effects on human health of hazardous substances.

"(ii) Methods to assess the risks to human health presented by hazardous substances.

"(iii) Methods and technologies to detect hazardous substances in the environment and basic biological, chemical, and physical methods to reduce the amount and toxicity of hazardous substances.

"(B) Training, which may include each of the following:

"(i) Short courses and continuing education for State and local health and environment agency personnel and other personnel engaged in the handling of hazardous substances, in the management of facilities at which hazardous substances are located, and in the evaluation of the hazards to human health presented by such facilities.

"(ii) Graduate or advanced training in environmental and occupational health and safety and in the public health and engineering aspects of hazardous waste control.

"(iii) Graduate training in the geosciences, including hydrogeology, geological engineering, geophysics, geochemistry, and related fields necessary to meet professional personnel needs in the public and private sectors and to effectuate the purposes of this Act.

"(2) DIRECTOR OF NIEHS.—The Director of the National Institute for Environmental Health Sciences shall cooperate fully with the relevant Federal agencies referred to in subparagraph (A) of paragraph (5) in carrying out the purposes of this section.

"(3) RECIPIENTS OF GRANTS, ETC.—A grant, cooperative agreement, or contract may be made or entered into under paragraph (1) with an accredited institution of higher education. The institution may carry out the research or training under the grant, cooperative agreement, or contract through contracts, including contracts with any of the following:

"(A) Generators of hazardous wastes.

"(B) Persons involved in the detection, assessment, evaluation, and treatment of hazardous substances.

"(C) Owners and operators of facilities at which hazardous substances are located.

"(D) State and local governments.

Development of:

- Methods and technologi hazardous substances in environment
- Advanced techniques fo detection, assessment, a of the human health effe hazardous substances
- Methods to assess the ri health presented by haz substances
- Basic biological, chemica methods to reduce the a toxicity of hazardous sub

rching Program Goals

Elucidate relationship between exposure and disease

Develop efficient and cost-effective cleanup strategies and detection technologies

Conduct science that contributes to human health risk assessment and decision-making for remediation

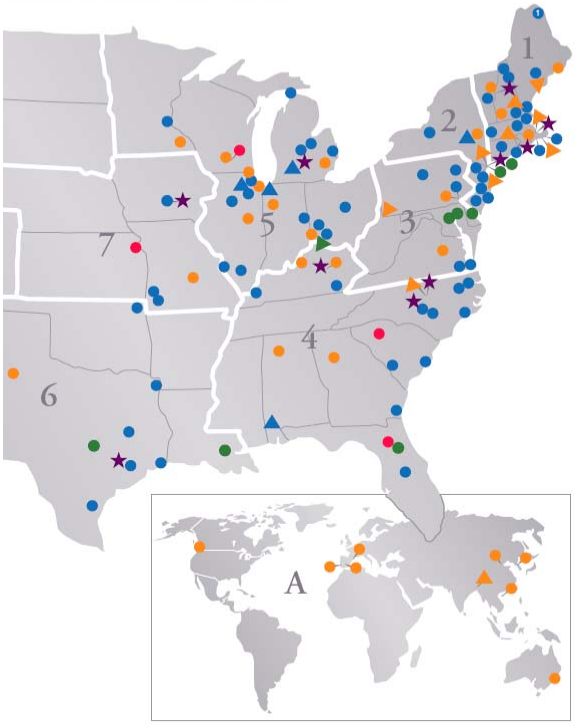
Reduce the risk of exposure

Improve public health

ces

n Overview

Superfund Research Program



- $50 M budget FY10 budge
- >500 investigators
  >100 graduate students
- Strong focus on “basic” re
- Expectation: interdisciplin

nisms of Funding

ject Grants (P42)

project structure allows for integration across disciplines

orates basic and application oriented research

al Researcher (R01)

ed to address specific issues to complement the multi-
t research programs

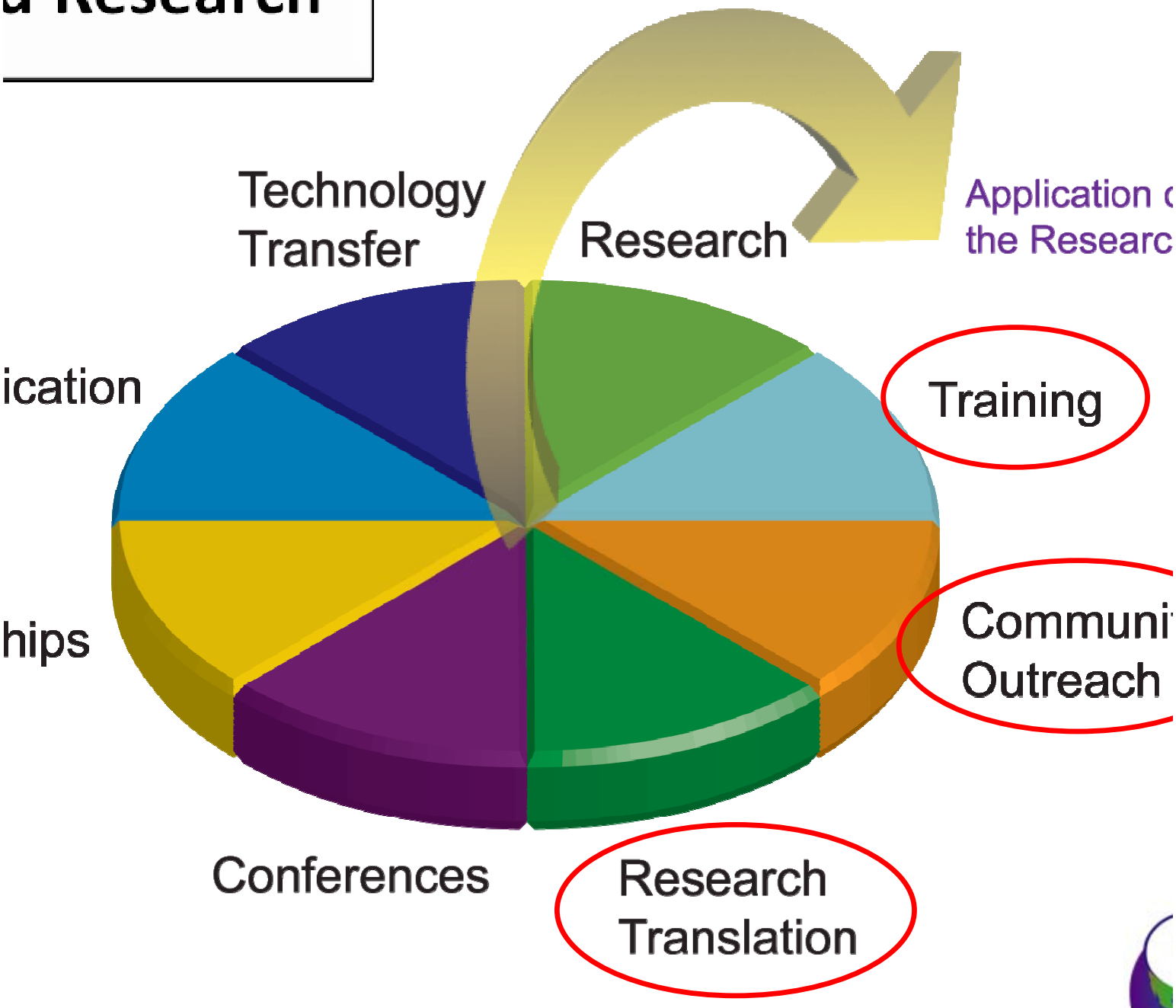
issues of emerging concern for Superfund

TR (R43/R44)

ed to foster the commercialization of technologies

cts and devices relevant to clean-up and monitoring

d Research


Technology Transfer
Research
Application
the Researc
ication
Training
hips
Communi
Outreach
Conferences
Research Translation

trategic Planning?

ovide the program with a framework to guide the SRP
er the next five years:

Prioritize the scope of the science

Establish an approach for attaining scientific balance and growth, enhancing translation, community outreach, and training along with

Develop guidelines for managing the program/decision-making.

Ultimately, the strategic plan will enable us to better promote the use of the SRP's resources to protect human health.

gic Planning – Reaching Out to Stakehol

- Lay public
- Environmental Health Researchers
- Sister Superfund Agencies (EPA & ATSDR)
- Other Government Officials – federal, state and local
- Tribes
- Non-governmental Organizations
- Private Sector
- Policy Makers
- Who Else?

gic Planning – Process

- Web-based seminars
- Series of public meetings
- Request for Information in NIH Guide
- Questionnaire

gic Planning – the Questions

have developed a series of questions

k forward to discussion today

ase fill out the on-line questionnaire

npile input, identify themes, develop strategic

t draft for comments: SRP web site and in Fede
ister

'/www.niehs.nih.gov/srp/strategicplan

ons

of Science

scientific themes and issues are most important to address in
uperfund Research Program and why?

prioritization criteria should SRP use to guide inclusion of
es and issues in program activities?

ch to Science

are the key teams and disciplines needed for the SRP to make
eatest advances in scientific themes and issues most important
Program?

sciplinary Science

the interdisciplinary nature of the SRP, is the current
work the most effective approach? Why or why not?

ere specific barriers to interdisciplinary research that SRP
d know about? If so, how can SRP overcome these issues

ces

ons, cont.

ıe interdisciplinary nature of the SRP, what approaches to
are most appropriate for the SRP?

ders

ould be SRP's stakeholders?

ı SRP most effectively interact with them?

Translation

e the best ways for SRP to achieve its goal of research translation;
making research more accessible by
rs?

ty Outreach

e the appropriate goals for community outreach for SRP?

ces

of the Science

scientific themes and issues are most
rtant to address in the Superfund Resea
am and why?

prioritization criteria should SRP use to
inclusion of themes and issues in progr
ties?

ces

ach to Science

are the key teams and disciplines neede
RP to make the greatest advances in scie
es and issues most important to the
am?

ces

sciplinary Research

the interdisciplinary nature of the SRP,
nt framework the most effective
oach? Why or why not?

here specific barriers to interdisciplinary
rch that SRP should know about? If so,
RP overcome these issues?

ces

ng

en the interdisciplinary nature c
, what approaches to training a
st appropriate for the SRP?

ces

ying Stakeholders

should be SRP's stakeholders?

can SRP most effectively interact w
n?

ces

rch Translation

t are the best ways for SRP to achie
oal of research translation, that is,
ng research more accessible by
users?

ces

unity Outreach

t are the appropriate goals for
munity outreach for SRP?

ces

S

ıks for your input

2010 Strategic Planning Questionn

://www.niehs.nih.gov/srp/strategi

INFO@niehs.nih.gov

NIEHS
National Institute of Environmental Health Sciences

Thank You

After viewing the links to additional resources, please complete our online feedback form.

Links to Additional Resources

Feedback Form

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
National Institutes of Health