



***US-German Bilateral Working
Group: An International
Collaboration in Revitalizing
Contaminated Land***

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Presentation Overview

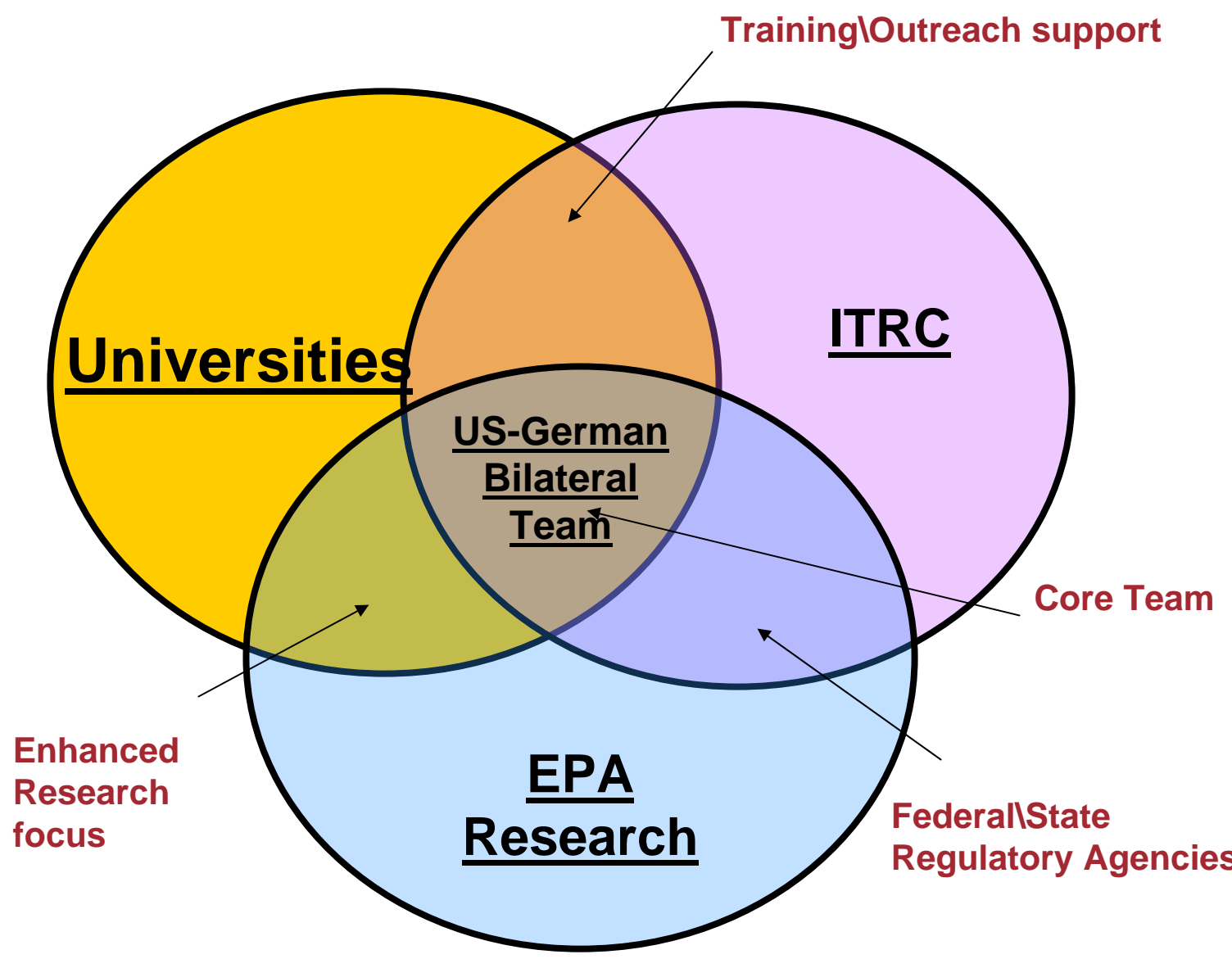
- **Bilateral History**
- **Goals and Objectives**
- **Recent Accomplishments**
- **Future Direction**

History

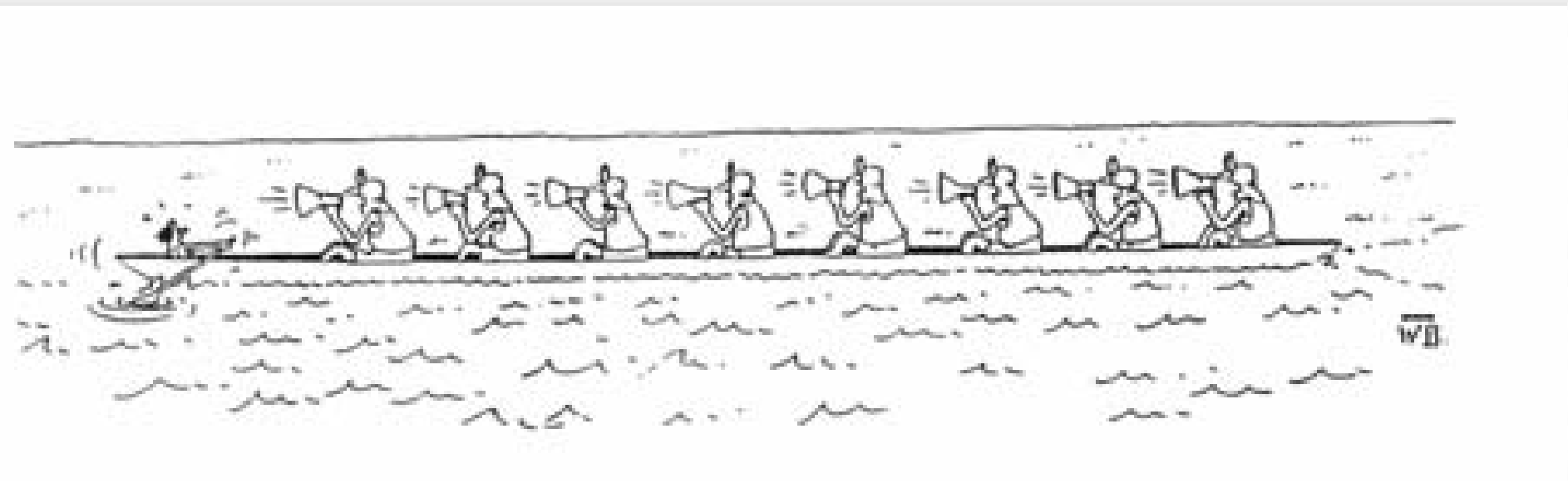
- **Workgroup Began in 1990**
- **Initial Focus on Cleanup Technologies**
- **In 2000 -- Focus on Redeveloping Sites**



Three Dimensional Cooperation



Welcome aboard.



The “Team” is critical in the development of tools and techniques that remove real or perceived barriers to revitalization



Because we learn from first hand experiences in each country

And build on those strengths

Model Project Port of Ridgfield

PROGRAM GOAL

Develop Tools and Techniques to Facilitate Brownfield Revitalization

OBJECTIVES:

- **Facilitate Equitable Land Use**
- **Facilitate Faster Redevelopment of Sites**
- **Allow Greater Independence from Public Money**
- **Enhance Benefits to Society**

Germany and US

Working toward common goals

US-German Bilateral

- **Facilitate Equitable Land Use**
- **Facilitate Faster Revitalization of Sites**
- **Allow Greater Independence from Public Money**
- **Enhance Benefits to Society**

EPA

- **Protecting the Environment**
Addressing brownfields to ensure the health and well-being of America's people and environment.
- **Promoting Partnerships**
Enhancing collaboration and communication essential to facilitate brownfields cleanup and reuse.
- **Strengthening the Marketplace**
Providing financial and technical assistance to bolster the private market.
- **Sustaining Reuse**
Redeveloping brownfields to enhance a community's long-term quality of life.

Phase III Accomplishments



- **Joint Feasibility Study**
- **5 Technical Workshops\CDs**
- **Development of 1st Draft SMARTe & Start-up**
- **5 International Conference Sessions**
- **Development of State led Brownfields Team**



US-German WG Phase 3 Activities Workshops

Title	Dates	Location	CD?
Economic Tools	Nov. 11-12, 2002	Charlotte, NC	Yes
Project Management and Marketing	May 7-8, 2003	Saarbruecken, Germany	In progress
Environmental Risk Assessment and Communication	Oct. 23-24, 2003	Portland, OR	Yes
Social Acceptance	June 17-18, 2004	Leipzig, Germany	In progress
Sustainable Reuse	Sept. 16-17, 2004	St. Louis, MO	In progress
Summary – Germany	April 18-19, 2005	Berlin, Germany	TBD
Summary – US	Oct. 31 & Nov. 1, 2005	Denver, CO	TBD

RESEARCH & DEVELOPMENT
Building a scientific foundation for sound environmental

SMART Product Availability

www.itrcweb.org
www.smarte.org



A screenshot of the ITRC website homepage. The page features a navigation menu on the left with categories like "PRODUCTS AND SERVICES", "HOME", "NEWS", "SUCCESS STORIES", "INTERNET-BASED TRAINING", "CLASSROOM TRAINING", "GUIDANCE DOCUMENTS", "CONFERENCES", and "FEEDBACK". A central navigation menu is open, listing various technical teams and topics such as "Technical Teams A-M", "Arsenic in Groundwater", "Brownfields", and "Diffusion Samplers". The main content area displays news items, including "Register for Internet-Based Training", "Product Expo in San Francisco and On-line", "Probabilistic Risk Assessment Workshop", and "The Winter Issue of ITRC Update is Out". The website header includes the ITRC logo and the text "Regulatory Acceptance for New Solutions".

- SMARTresource Version 1.0
- SMARTtech Version 1.0
- Workshop Summaries
- SMARTe due 2007

Phase IV PROGRAM GOALS



- Facilitate **Environmentally, Socially** and **Economically** Viable Land Use
- Facilitate Transfer of Information
- Allow More Revitalization Projects to be Independent from Public Grants
- Enhance Benefits to **Society** and the **Environment**

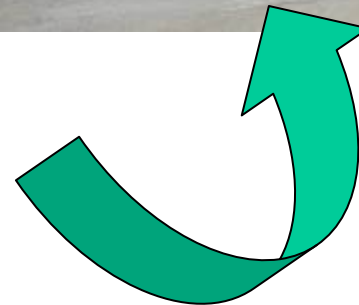
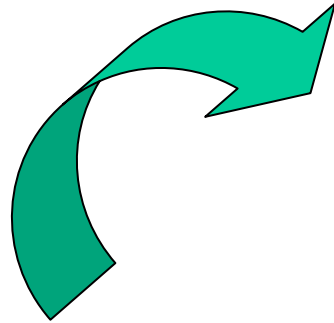
Cooperation, Growth, and the Future!



Approaches to Achieve the Goals

foundation

Demonstrate *Innovative* and *Integrative*
Approaches to Sustainable Revitalization



Model Project
Saarbrücken

Approaches to Achieve the Goals

Resources

Provide Tools and Techniques
To Reduce or Manage Uncertainties

United States and German Bilateral Working Group on Redevelopment of Potentially Contaminated Sites
Site-specific Management Approaches and Redevelopment Tools Resource (SMARTResource)
January 2004 – 01/05/04 DRAFT

Access SMARTResource (click options below)

Option 1: Overview of Available Tools

Option 2: Redevelopment Flow Chart

Get SMART about brownfields

Revitalization Strategy

- Project Vision
- Development type
- Landuse
- Market Analysis
- Stakeholders
- Regulations

Economic Viability

- Costs
 - Development
 - Insurance
 - Financing
 - Marketing
 - Renovation
- Benefits
 - Revenues
 - Social
 - Liabilities
 - Tax Credits

Environmental Risk Management

Decision Analysis

Value of Information → No → Yes → Develop

Decision Analysis includes:

- Economically Sustainable?
- Environmentally Sustainable?
- Socially Sustainable?
- Acceptable Uncertainty?

Total Cost Benefit Analysis

Sustainable Management Approaches & Revitalization Tools

SMART success	SMART success	SMART tools	Economic Viability	Revitalization Strategy	SMART success	Social Acceptance
SMART success	SMART success	SMART success				Environmental Risk

Executive Summary

Sustainable Management Approach and Revitalization Tools (SMARTResource) was prepared to encourage cooperative and effective communications among revitalization stakeholders. SMARTResource specifically addresses environmental, economic, and social aspects of revitalization of potentially contaminated sites, including brownfields. The United States Environmental Protection Agency (EPA) defines revitalization, in part, as which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. SMARTResource identifies revitalization issues that may warrant consideration during revitalization planning and implementation and will provide a resource for best practices and sources for additional information to address these issues.

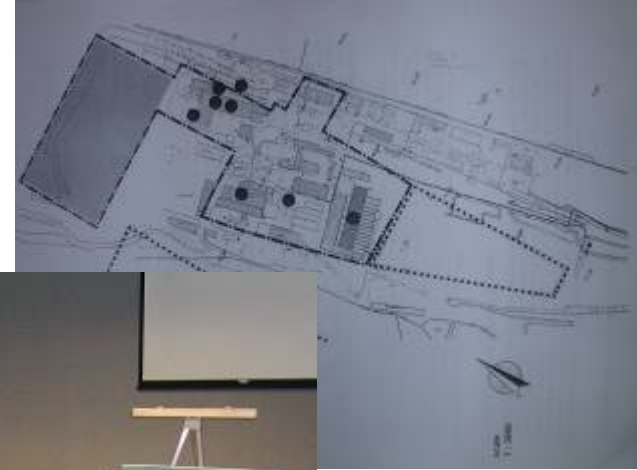
TECH

Screen

Approaches to Achieve the Goals

**Share Ideas and
Experiences.....
*To Facilitate
Understanding***

- Evaluate Sustainable
Aspects of
Revitalization Efforts**



Phase IV Research Areas



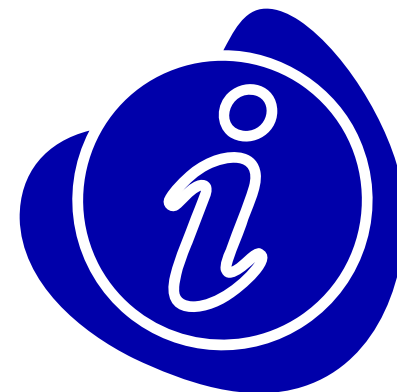
- **Regional and Local Land Revitalization Planning**
- **Sustainable Project Management**



- **Brownfields Communication Network**
- **Brownscape Design**



Web Sites



**Office of Brownfields Cleanup and
Redevelopment (OBCR)**

<http://www.epa.gov/brownfields>

US-German Bilateral Working Group

<http://www.bilateral-wg.org/>

Interstate Technology Regulatory Council

www.itrcweb.org

SMARTe

www.smarte.org