



THE CENTER FOR CONSTRUCTION  
**RESEARCH AND TRAINING**

# **r2p IN CONSTRUCTION**

**Science, Strategies & Partnerships  
to Advance Safety & Health**

**Eileen Betit**

**Director, Research to Practice**

# The Challenge: Build r2p Capacity

*Get vital information to the worker  
“in the trench” or “on the steel”*

*Persuade contractors and  
workers to use the interventions  
that are developed through research*



# Build r2p Capacity: Systematic Research Dissemination

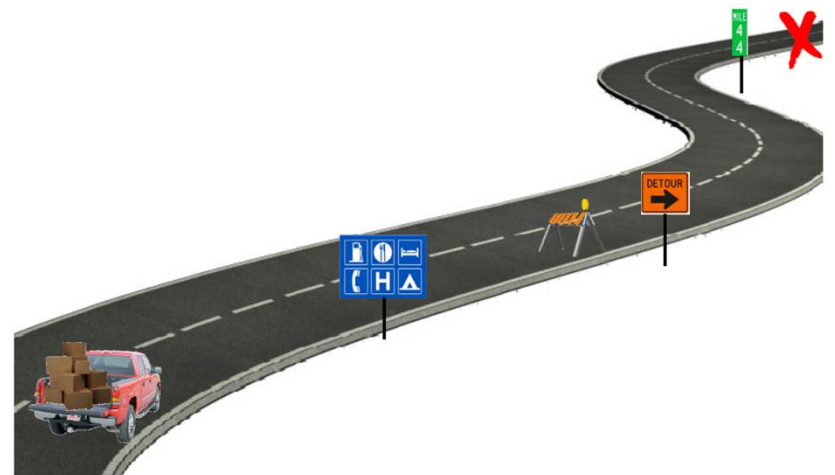
## WHAT WE DID...

### Triage Process:

- Developed & tested triage tool
- 17 completed projects reviewed
- 6 r2p priorities identified

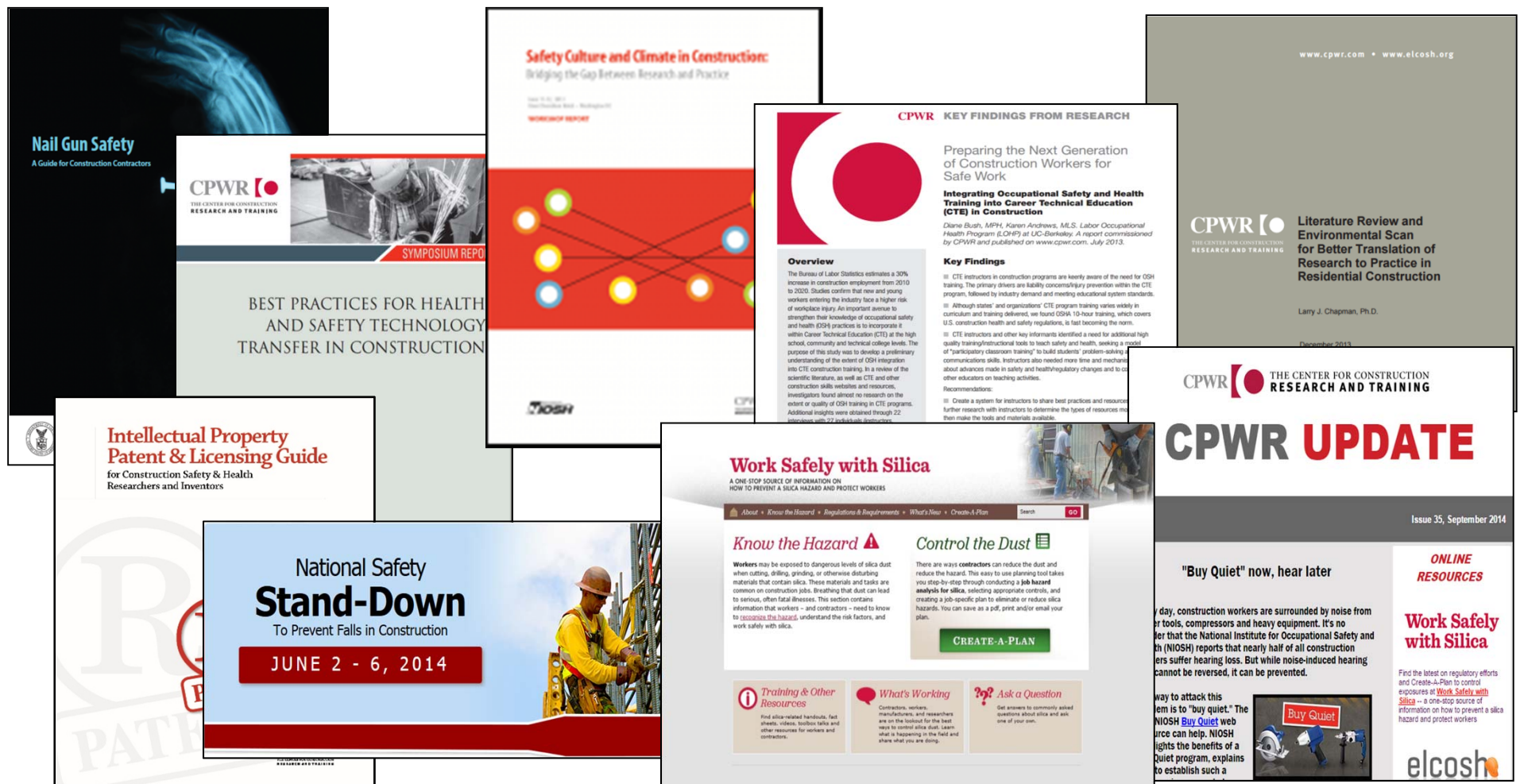
### Roadmaps:

- Developed and tested  
with 11 projects



# Build r2p Capacity: r2p Working Group

## WHAT WE DID... CONDOR ♦ Dissemination Planning.....



# Build r2p Capacity: Partnerships

- Partnership Case Studies
- Exploratory Latino Falls
- Prevention Partnerships
- Model Partnership
- Partnership Toolkit

## Research to Practice at Work: **PARTNERSHIPS**

Broad-based change does not happen in isolation. Partnerships bring together stakeholders who, working together, can accelerate the development, acceptance, and use of safe and practical tools, materials, and work practices on construction sites.

### Single Issue Driven Partnerships



**Asphalt Partnership:** a multi-stakeholder, multidisciplinary partnership that reduced worker exposure to asphalt fumes in asphalt paving operations through voluntary equipment redesigns.



organizations represented in the case study:

- INDUSTRY**
  - National Asphalt Pavement Association (NAPA)
  - Association of Equipment Manufacturers (AEM)
- LABOR**
  - International Union of Operating Engineers (IUOE)
  - Laborers' International Union of North America (LIUNA)
  - Laborers' Health and Safety Fund of North America (LHSAFNA)
- GOVERNMENT**
  - The National Institute for Occupational Safety and Health (NIOSH)
  - Occupational Safety and Health Administration (OSHA)
  - Federal Highway Administration (FHWA)

### Massachusetts Floor Finishing Safety Task Force

**Force:** a multi-stakeholder, statewide partnership that through education and policy changes replaced the use of hazardous lacquer sealers throughout the state with safer product alternatives.



### Industry-Wide Approach

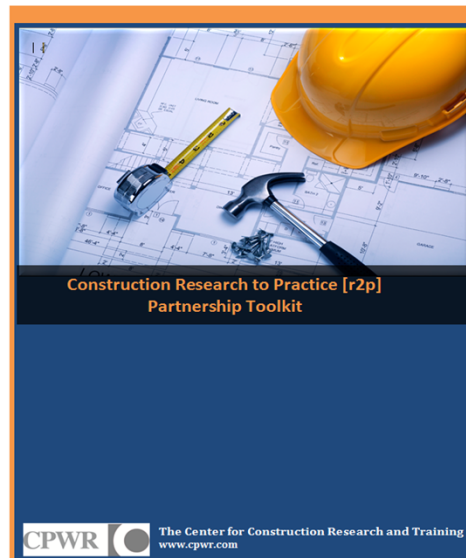
National and local industry partnerships involving labor, management, trainers, and other stakeholders in establishing priorities and promoting solutions in masonry, roofing, and construction as a whole.

### Masonry r2p Partnership

#### Craft Committees Identify Safety and Health r2p Priorities



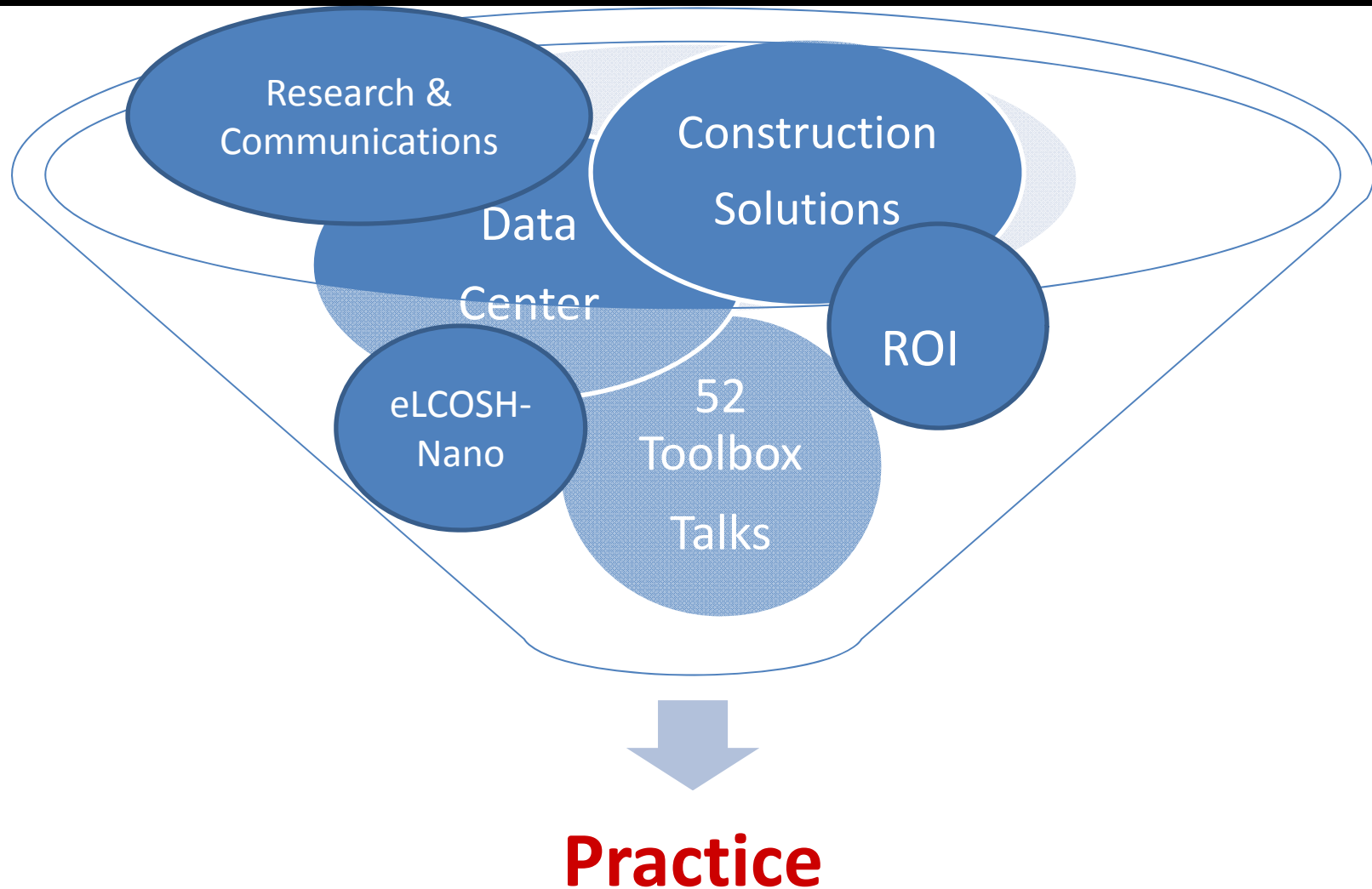
### Roofing Industry r2p Partnership



# **Build r2p Capacity: Supplemental Projects**

- 10 IMPACT Cards
- Latino Construction Resources
- American Journal of Industrial Medicine Special r2p Collection
- Social Marketing Toolkit
- Dissemination Case Examples

# Build r2p Capacity: Other CPWR Initiatives



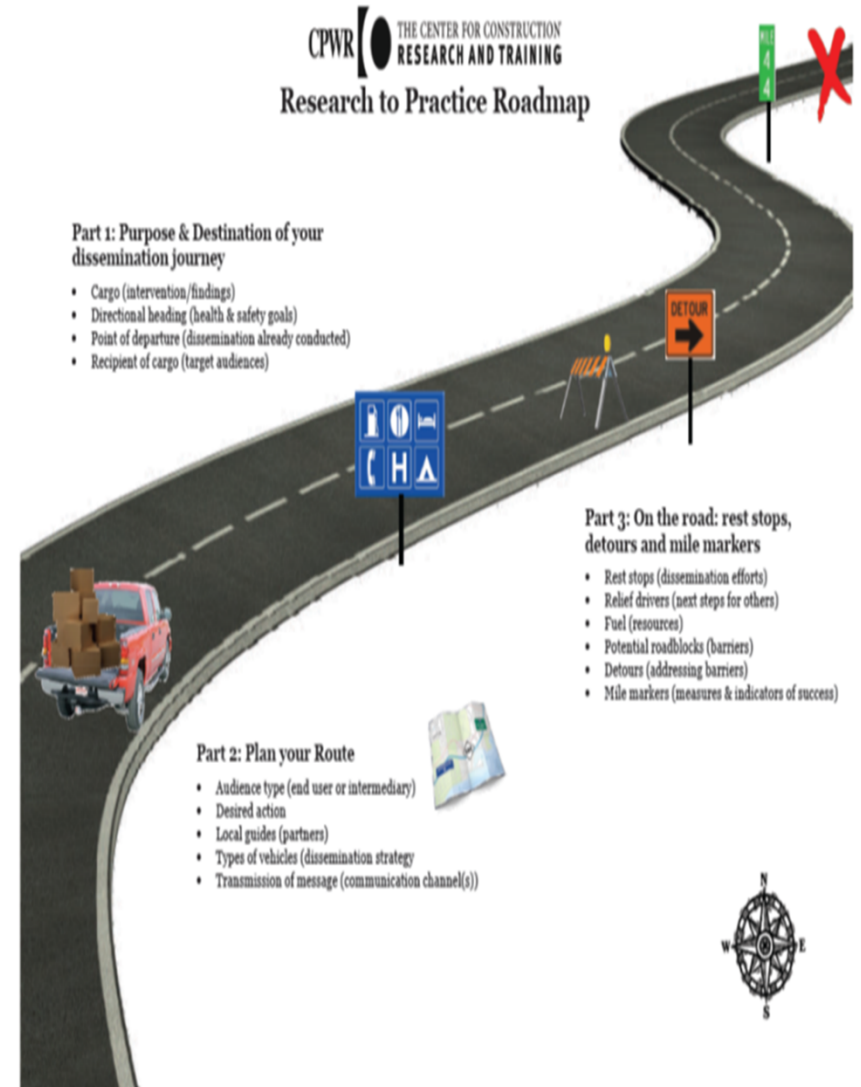
# r2p Next Steps





# r2p Next Steps

- **Triage** completed projects
- Use **Roadmap Process** with the new internal projects and the 6 external projects
- Develop, expand, maintain, disseminate and evaluate research translation materials
- CONDOR contacts and use



# r2p Next Steps

- **Masonry r2p Partnership**
- **Roofing Partnership (new)**
  - ✓ *Multi-trade labor-management RF Radiation Work Group*
- **TRU-Net Forum & Formal Research Projects**
- **Roundtable** on immigrant workers & small contractors
  - ✓ *Evaluation of study of NIOSH Designed 52 Toolbox Talks*

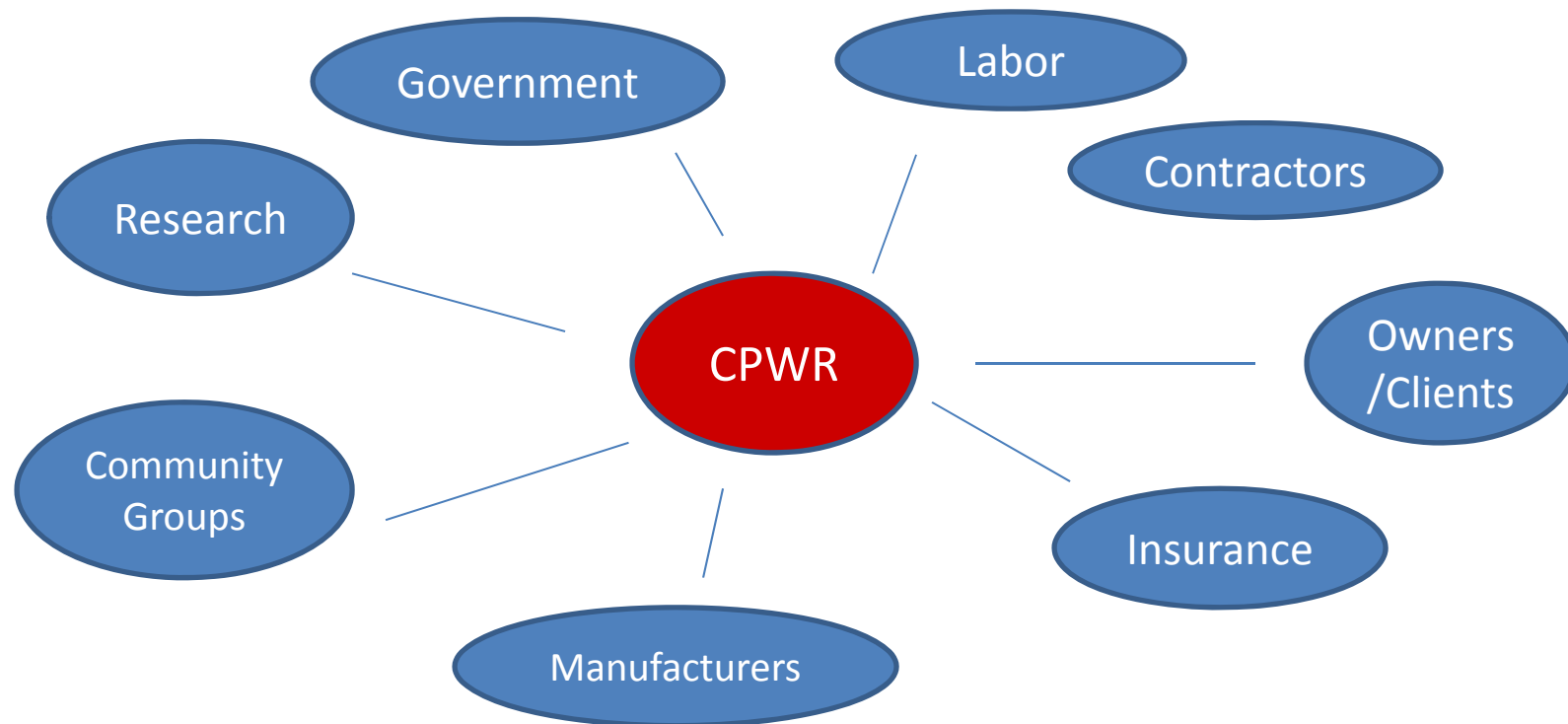
# r2p Next Steps

## OSHA-NIOSH-CPWR r2p Working Group:

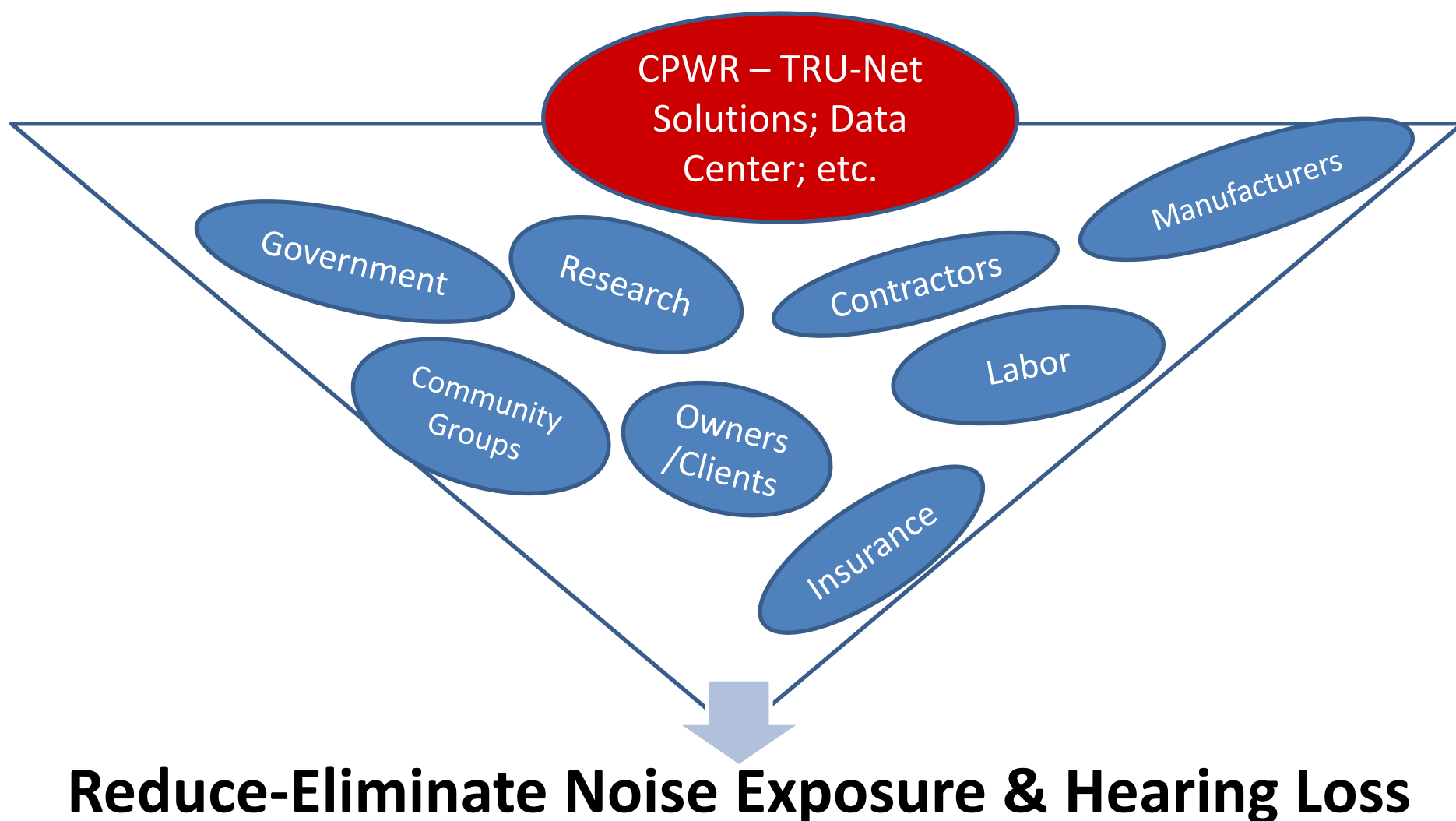
- Nail Guns = *Dissemination*
- Silica Safety = *Update/adapt to standard*
- Technology Transfer = *Expand roadmap/ROI*
- Falls = *Support campaign activities*
- Residential/Small Business/Vulnerable Workers = *Build infrastructure/52 toolbox talk study*
- Safety Culture/  
Climate = *Expand content/access on web  
/evaluate use*
- Noise = *Buy Quiet dissemination/  
infographics/ noise-hearing loss surveys*

# r2p Next Steps

## Online Partnership Network & Community of Practice



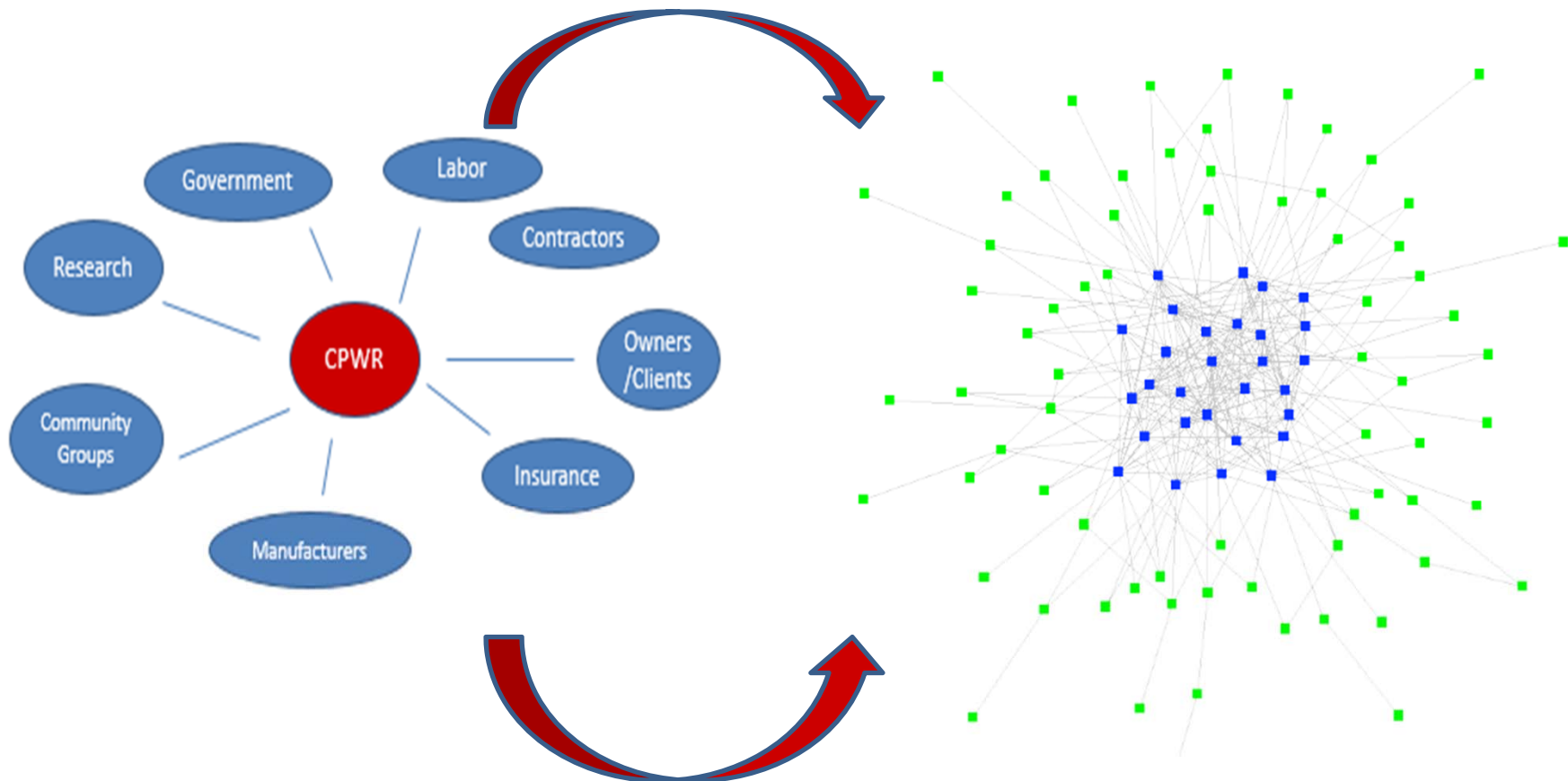
# Noise: Resources & Connections to.....



# r2p Next Steps

## Online Partnership Network & Community of Practice

- r2p Tool Library



# r2p Next Steps

- **Evaluation – *social network analysis***
- **Annual r2p seminar & partnership workshop:**
  - ✓ What is r2p & How Does it Work in Construction
  - ✓ r2p Strategies & Lessons from Other Sectors
  - ✓ Advancing r2p Through Construction Partnerships
  - ✓ Exploring Ways to Work with the Insurance Industry to Advance r2p
  - ✓ Review of Roadmap Process
  - ✓ Review of CPWR Research Projects
  - ✓ Applying Lessons Learned



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