Advancing Environmental Solutions

How ITRC Reduces Regulatory Barriers to Innovative Environmental Technologies
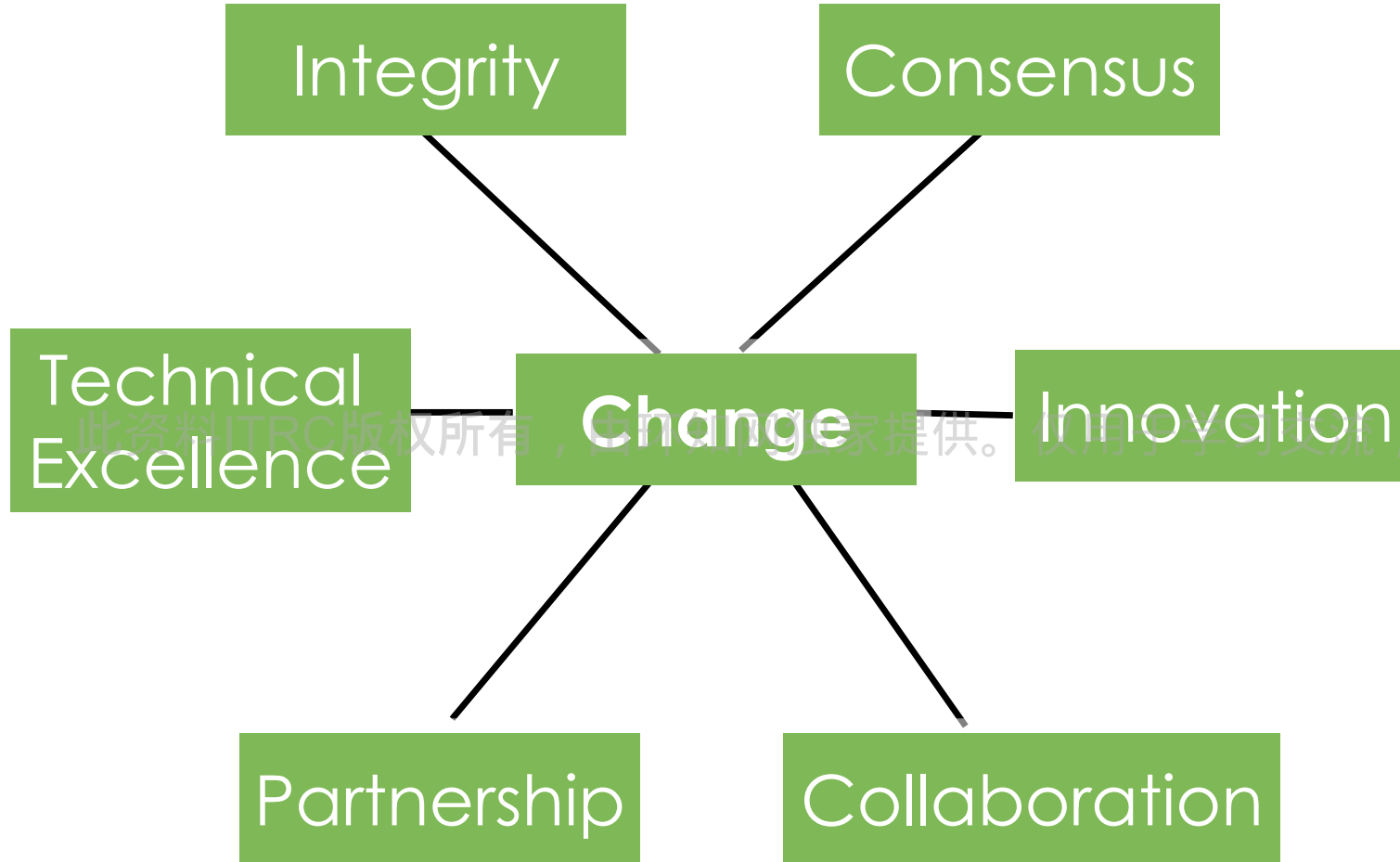
www.itrcweb.org

What is ITRC?

ITRC is a state-led coalition working to advance the use of innovative environmental technologies and approaches. ITRC's work translates good science into better decision making.

ITRC Values

Integrity

Consensus

Technical Excellence

Change

Innovation

Partnership

Collaboration

Purpose and Mission

▶ **ITRC Purpose**

To advance innovative environmental decision making.

▶ **ITRC Mission**

To develop information resources and processes to break down barriers to the use of technically sound innovative solutions for healthy communities, economy, and environment.

ITRC's Role

Innovative Technologies and Approaches
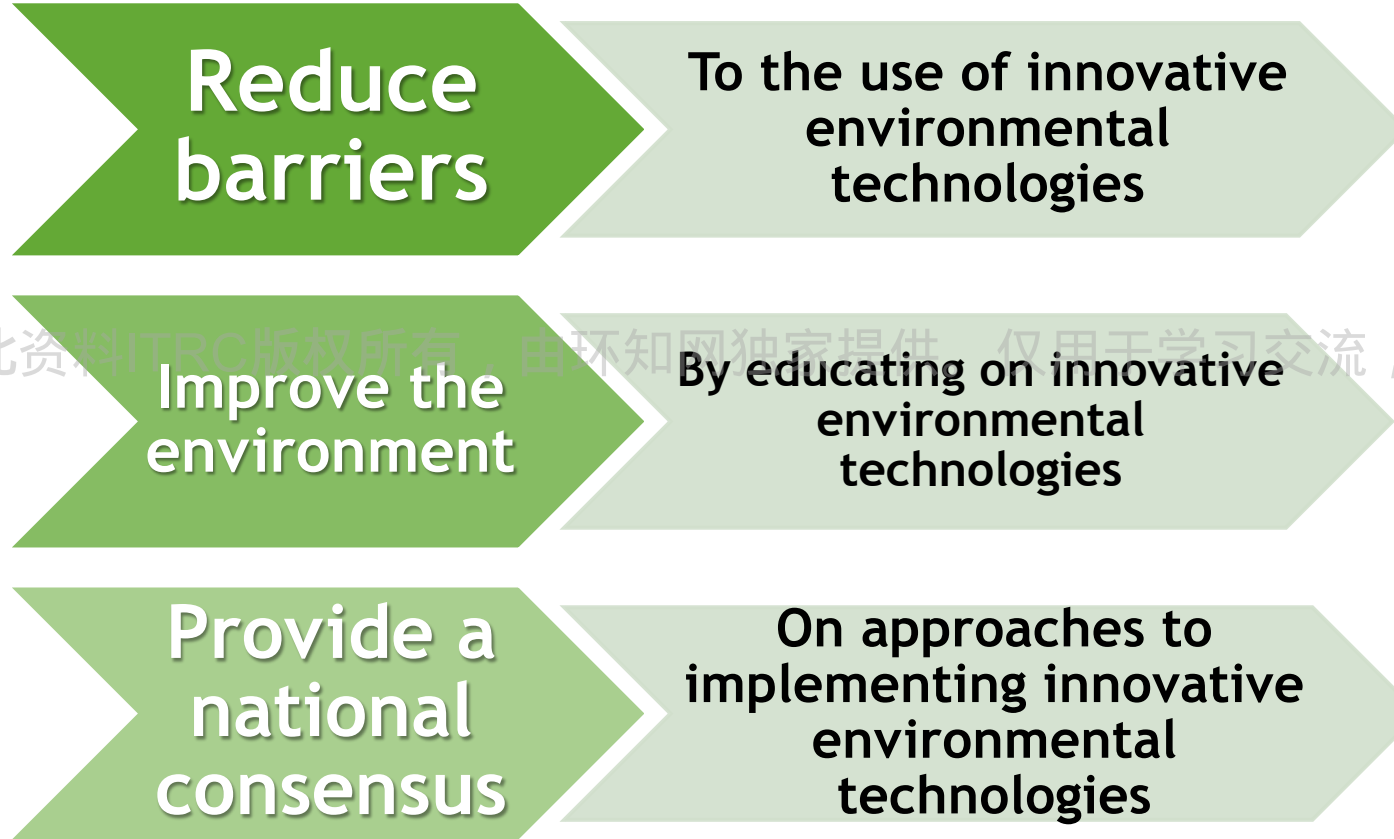
ITRC

Barriers to use:
- Lack of knowledge/trust
- Differing procedures
- Pre-specified approaches
- Institutional resistance

- Faster acceptance of innovative technologies
- Better decision making
- Reduced permitting/review time
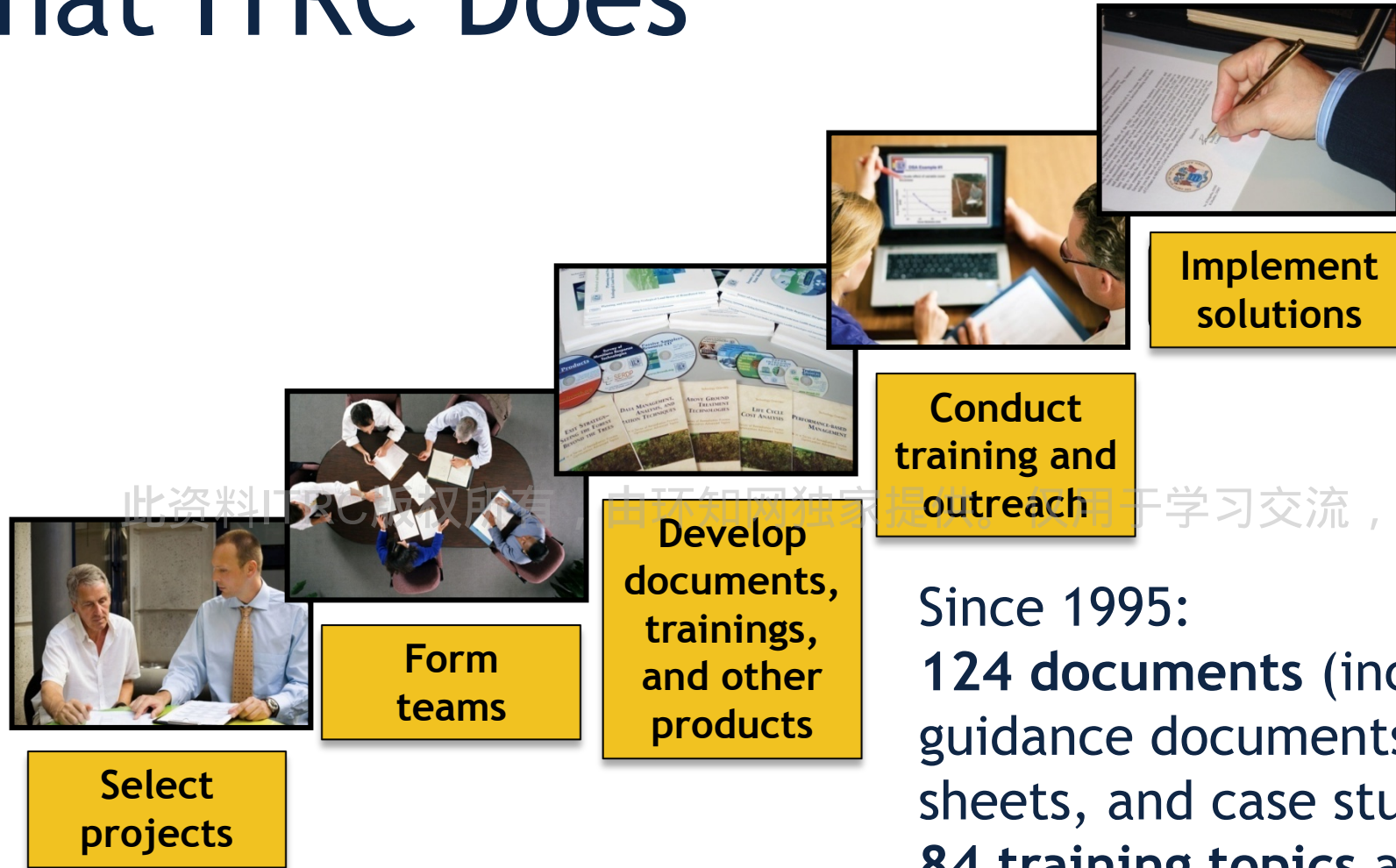- Decreased compliance costs
- Harmonized state approaches

ITRC Role in the Environmental Community

Reduce barriers → To the use of innovative environmental technologies

Improve the environment → By educating on innovative environmental technologies

Provide a national consensus → On approaches to implementing innovative environmental technologies

What ITRC Does

Select projects

Form teams

Develop documents, trainings, and other products

Conduct training and outreach

Implement solutions

Since 1995:
124 documents (including guidance documents, fact sheets, and case studies); **84 training topics** and **859 classes**

ITRC Has Impact

▶ National network with 900 members from 50 states

▶ Published 124 documents

▶ Developed 84 training classes

▶ Trained over 140,000 people

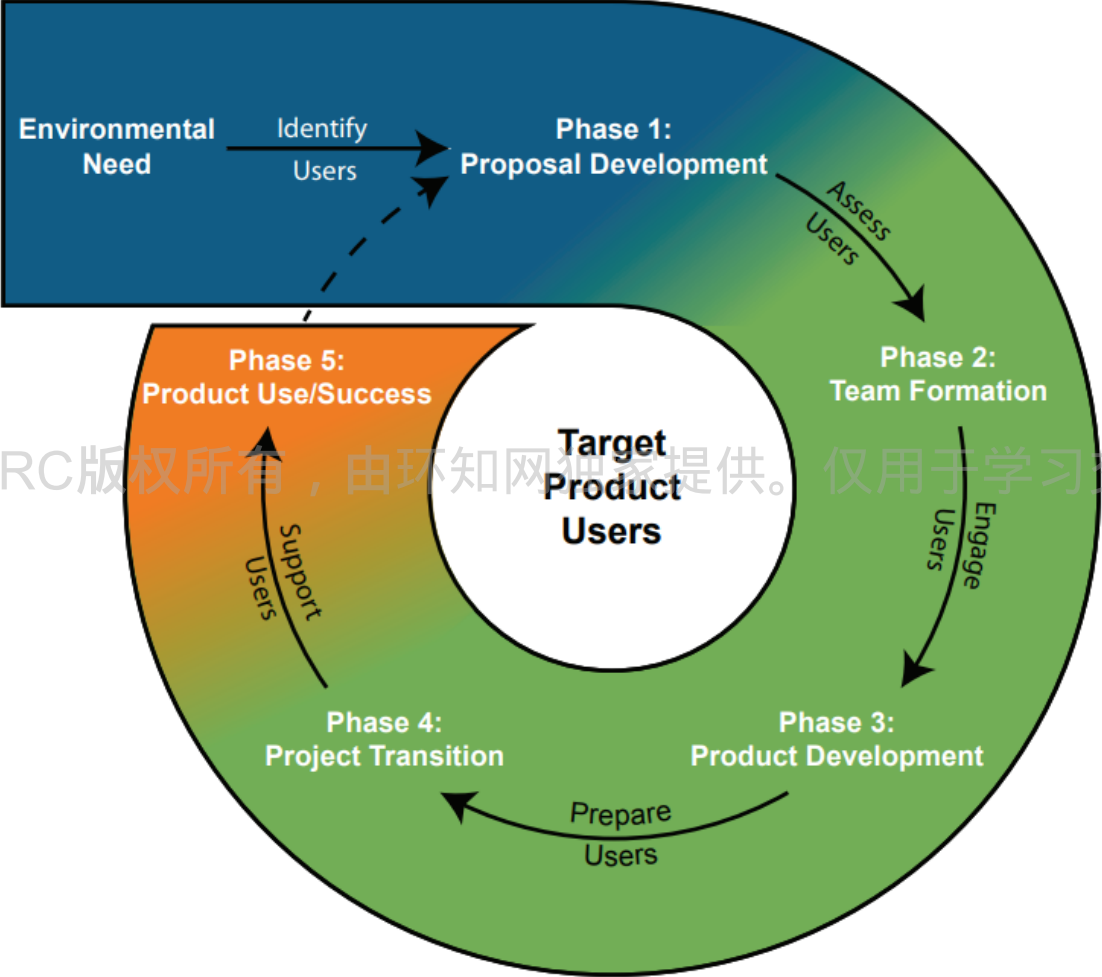▶ ITRC's website gets 9,000 to 10,000 unique visitors per month

Power of ITRC's Unique Network

► ECOS and ERIS

► Federal Government

► State Government

► Public and Tribal Stakeholders

► Industry

► Academia

Typical Project Life Cycle

2018 Teams
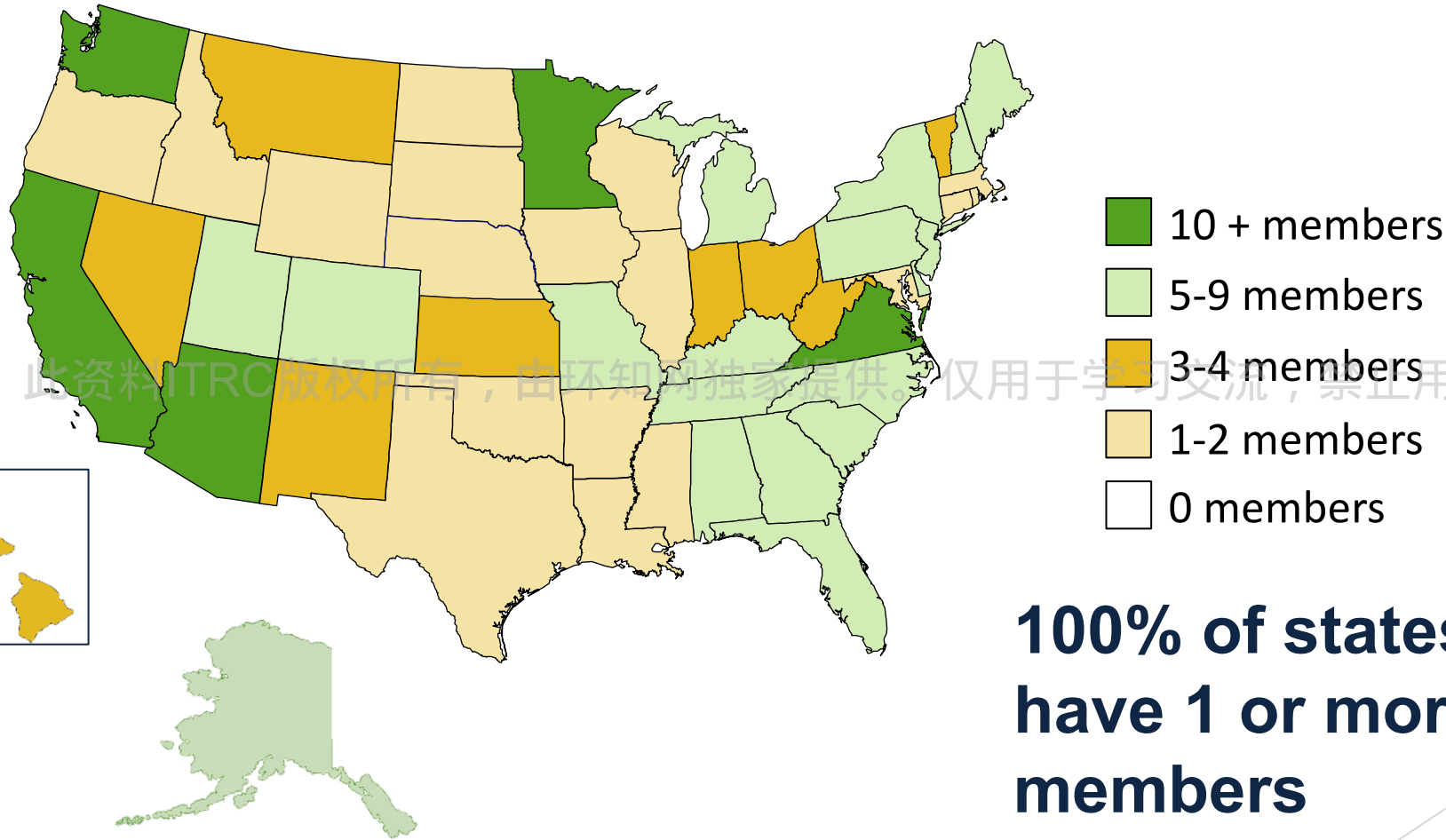
- Optimizing In Situ Remediation Performance & Injection (NEW)

- Strategies and Implementing the Use of Advanced Site Characterization Tools (NEW)

- Evaluation of Innovative Methane Detection Technologies

- PFAS   ITRC

- Stormwater BMP Performance Evaluation Team

- TPH Risk Evaluation at Petroleum-Contaminated Sites

2018 Membership Distribution

- State/Local Government
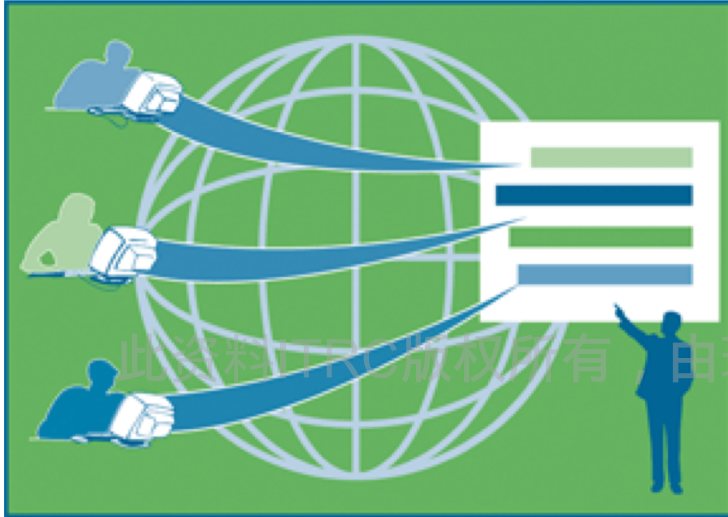- Federal Government
- Stakeholder
- Private Sector
- International
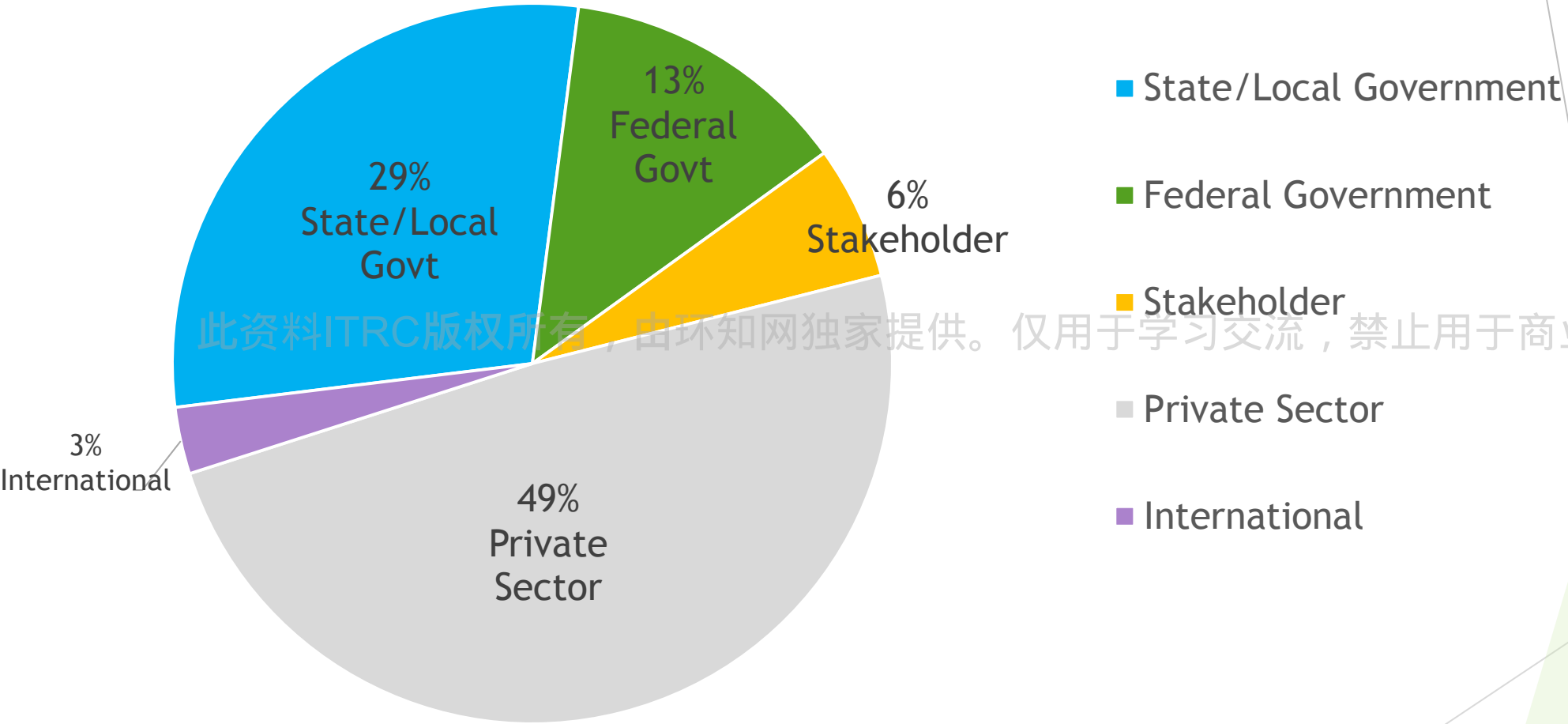
2018 Geographic Distribution of State Agency Membership

Legend:
- 10 + members
- 5-9 members
- 3-4 members
- 1-2 members
- 0 members

100% of states have 1 or more members

Training

FREE Online Training

Classroom Training

See *www.itrcweb.org* for full schedule
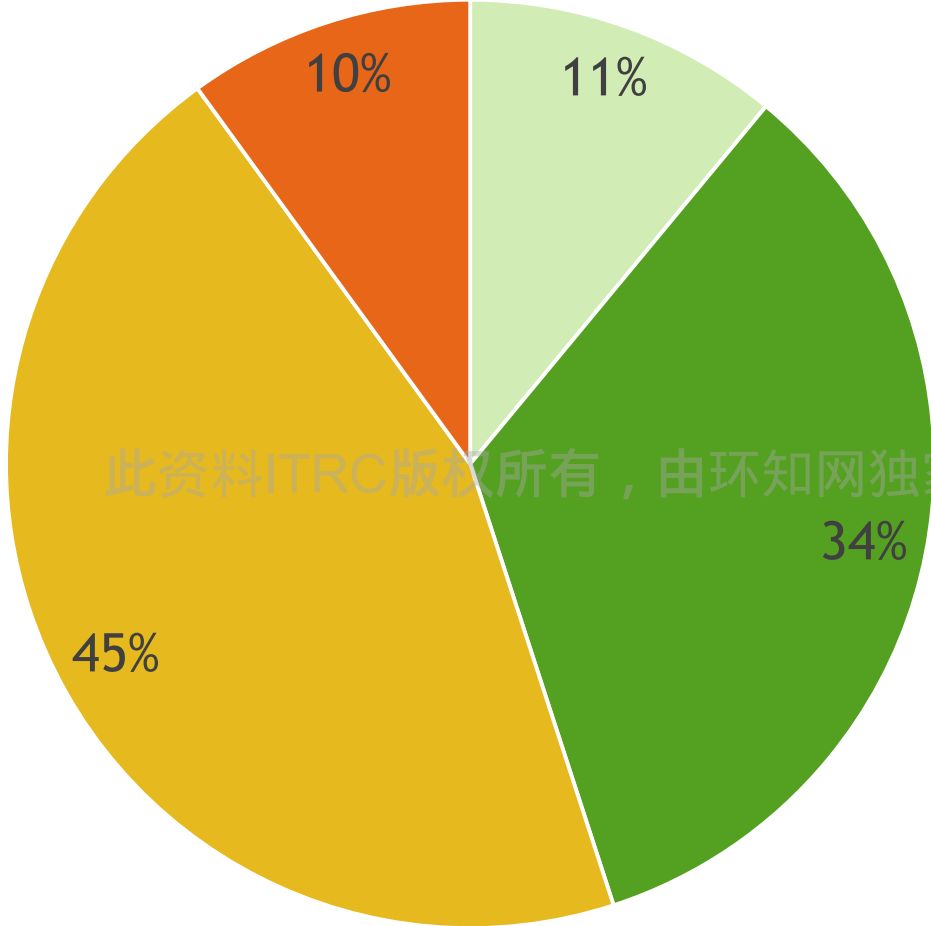
Training: 1997-2017

# of Participants Each Year
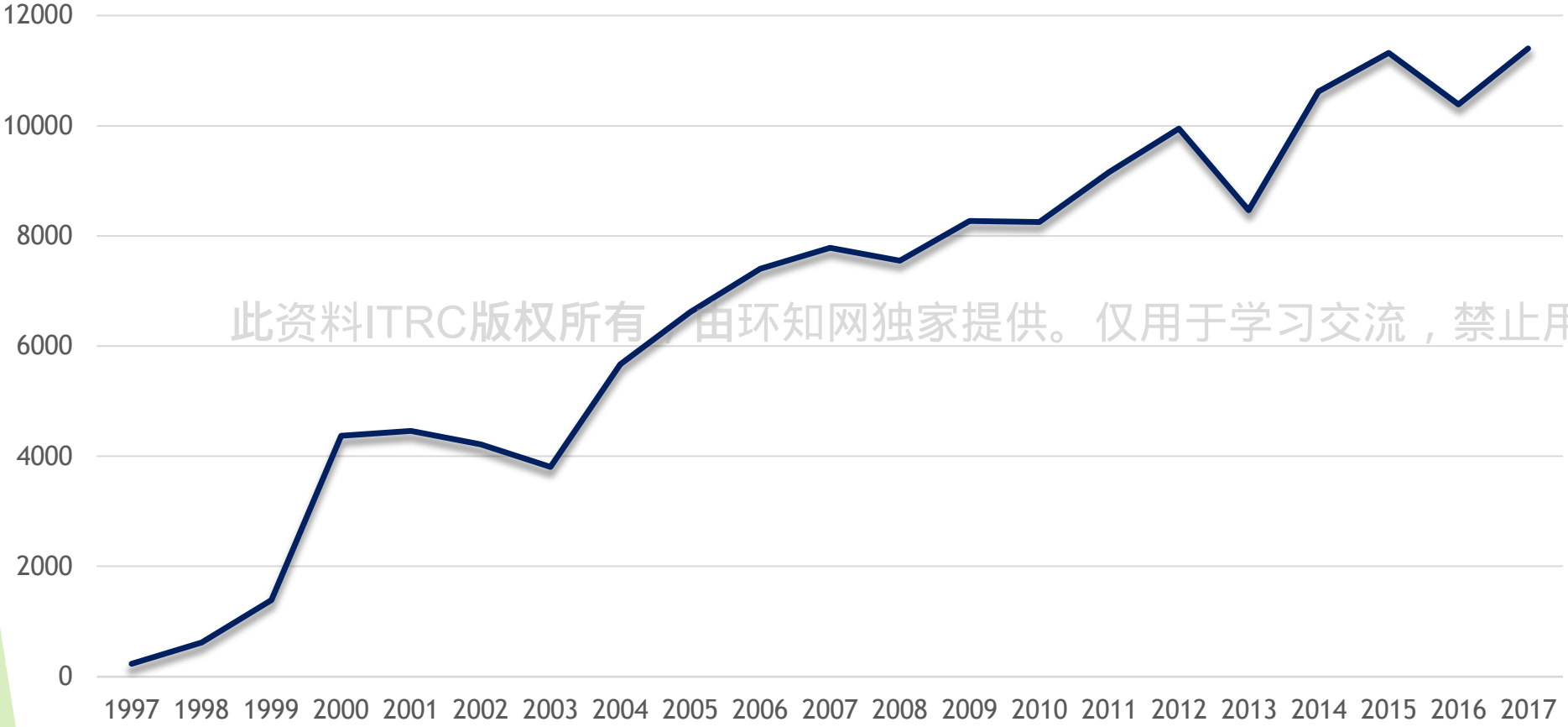
Training: 1997-2017

Training Patricipation by Group

- Federal Government
- State/Local Government
- Private Sector
- Other (academia, community stakeholder, etc.)

PVI Classroom Training

An intensive two-day course: "Vapor Intrusion Pathway - A Practical Guideline"

Course Overview

► How to conduct site screening and investigations

► How to collect quality data and evaluate the results   ITRC

► How to apply multiple lines of evidence to ensure quality decision making

► Understanding and implementing mitigation options

Stay tuned for 2018 PVI Classroom Training details!
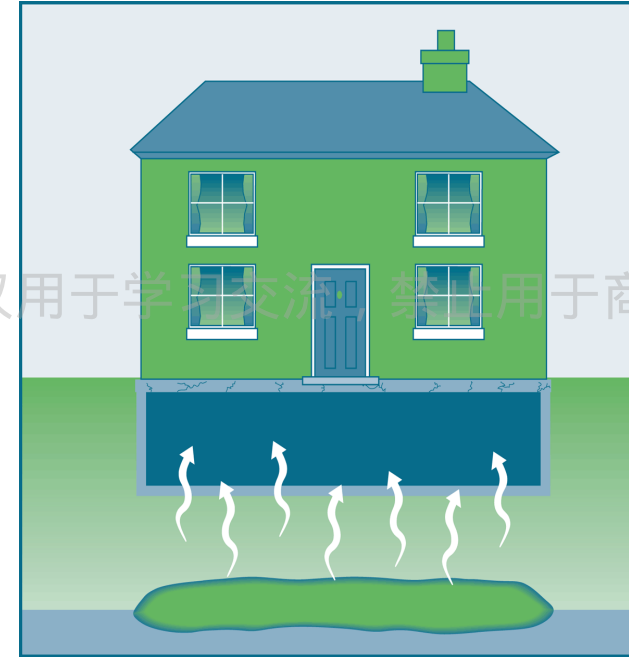
State Engagement Network

▶ ITRC is led by state agency representatives through its Board of Advisors

▶ States become official members of ITRC by appointing a Point of Contact (POC). The POCs:
  ▶ Facilitate communication within the state
  ▶ Identify state priorities and emerging issues
  ▶ Coordinate state review of draft documents and dry run training
  ▶ Promote use of ITRC documents and training within the state

▶ Each ITRC Team is led by 1-2 state agency Team Leaders and has a minimum of 5 state agency team members

Federal Government Participation

- ITRC partners with U.S. government agencies:
  - Environmental Protection Agency (EPA)
  - Department of Defense (DOD)
  - Department of Energy (DOE)

- Collectively EPA, DOD, and DOE:
  - Have partnered with ITRC since 1995
  - Are members of the ITRC Board of Advisors
  - Provided about 70% of ITRC's budget in 2016
  - Provide peer review of ITRC documents and training courses
  - Provide technical experts for ITRC teams
  - Provide instructors for ITRC training courses
  - Play an active role in future project selection
  - Take ITRC training courses

ITRC Represents

Increasing knowledge

Decreasing approval time

Reducing environmental costs

Streamlining regulatory processes

Harmonizing approaches

Thank you!

Stay updated on ITRC's activities:

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