



*A US Perspective on
Fostering Verification
Internationally*

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**2nd International ETV Forum
Vancouver, British Columbia, Canada
March 28, 2006**

Importance of Verification

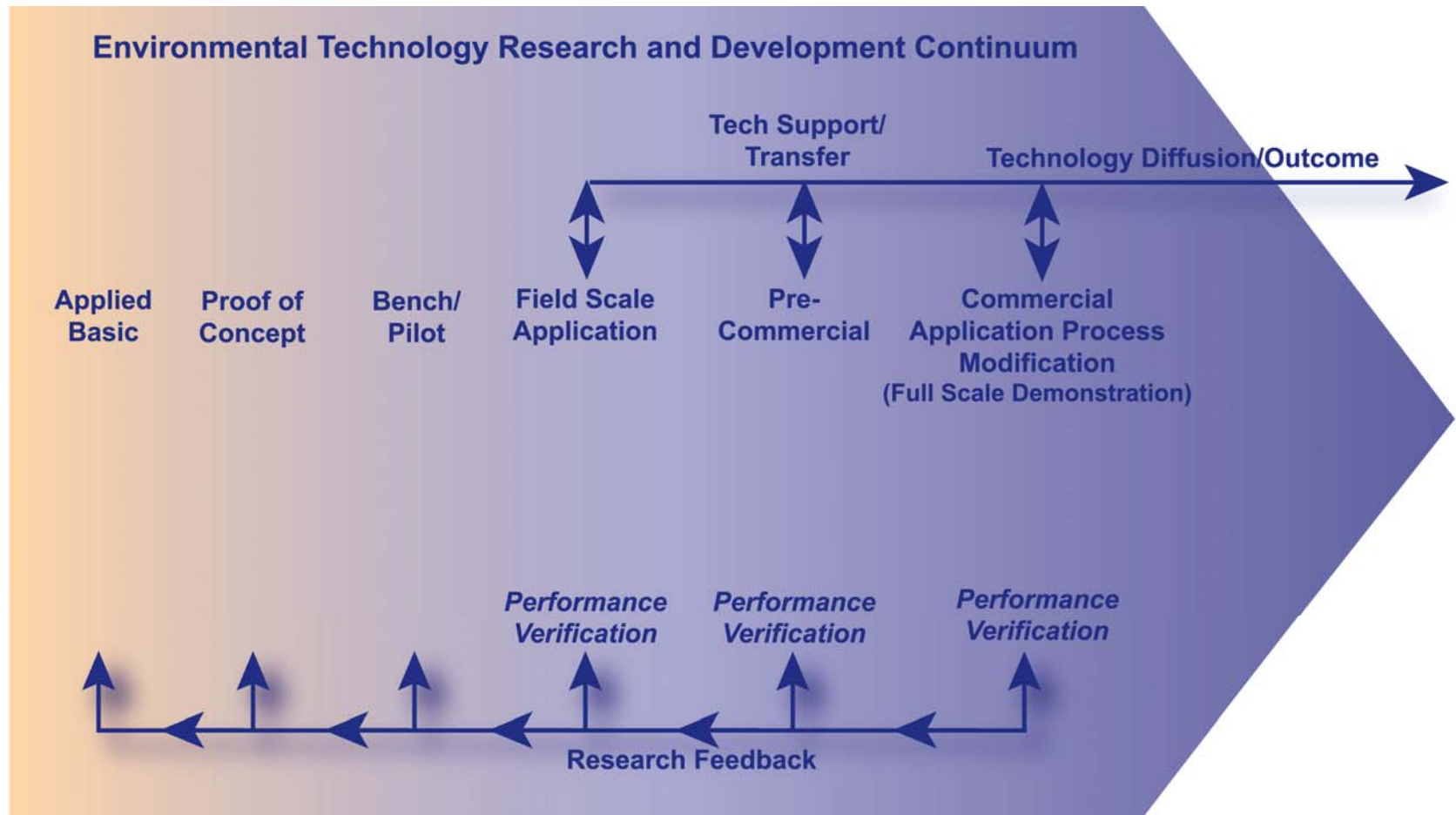
Governments, purchasers, investors, developers, and regulatory organizations need good quality data on the performance of new/improved environmental technologies to:

- Make better-informed decisions about technology
- Help them address high-risk environmental problems
- Ensure scarce resources are directed to the most appropriate alternatives

The lack of these data have presented barriers to technology use



ETV Helps Technology Commercialization and Innovation



US-ETV Successes

 **350 Verifications, 84 protocols since 1995**

 Supports solving important environmental problems

 Increasing:

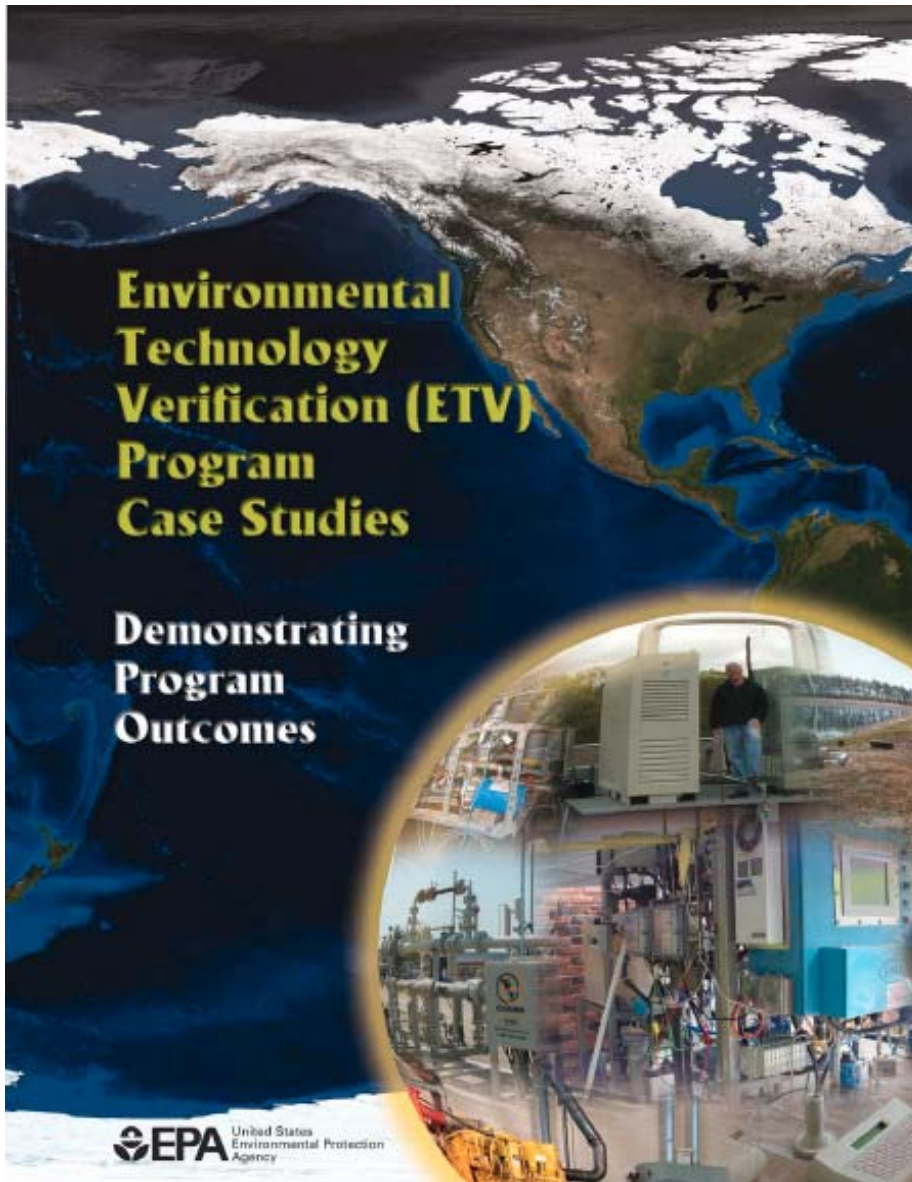
Collaboration and privatization: funding from vendors and other partners at 40 - 50% from others (30% cash and 20% in-kind)

Stakeholder participation – over 800 stakeholders in 21 groups

Web and international interest - >1.5 M hits/year

 Over 50 homeland security technology verifications completed





Example case study: **Diesel Retrofit Technologies**

- 📄 7 tested
- 📄 6 eligible for OTAQ grants programs (ex: Clean School Bus)
- 📄 Minimum 1345 sold as result
- 📄 At 10% projected market penetration*
 - 📄 9-31K tons PM reduced
 - 📄 \$5-18 M in monetary benefits
 - 📄 683-2380 avoided premature mortality

*Following 7 years of use



RESEARCH & DEVELOPMENT








Building a scientific foundation for sound environmental decisions

US Efforts to Foster Global Verification

-  **1999-2001** – Held ETV-sponsored training workshops in US, Thailand and India, for central and southeast Asian countries
-  **2003** – Spoke at Japan ETV kick-off meeting
-  **2004** – Signed letter of intent to cooperate with Singapore on ETV protocols
-  **2004** – Hosted an international session with Singapore, EU, and Korea at the ETV National Meeting
-  **2005-2006** – Presented to and currently serving on an advisory board for the European Commission verification pilot program
-  **2005** – US ETV hosted 1st ETV International Forum in Washington, DC
-  **2006** – Served on Environment Canada's planning committee for the 2nd ETV-I Forum



Future Efforts to Foster Global Verification

-  **Pursue the development of a shared Charter for Action and Action Plan**
-  **Establish “mechanisms” for fostering regular communication and interaction**
 -  International ETV working group made up of ETV organizations
 -  Monthly/quarterly conference calls/web chats
 -  Conformity assessment and standards working group
-  **Pursue co-verifications**
-  **Continue to share or co-develop protocols**

