

# Organization of ETV



– national and international aspects

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# DHI

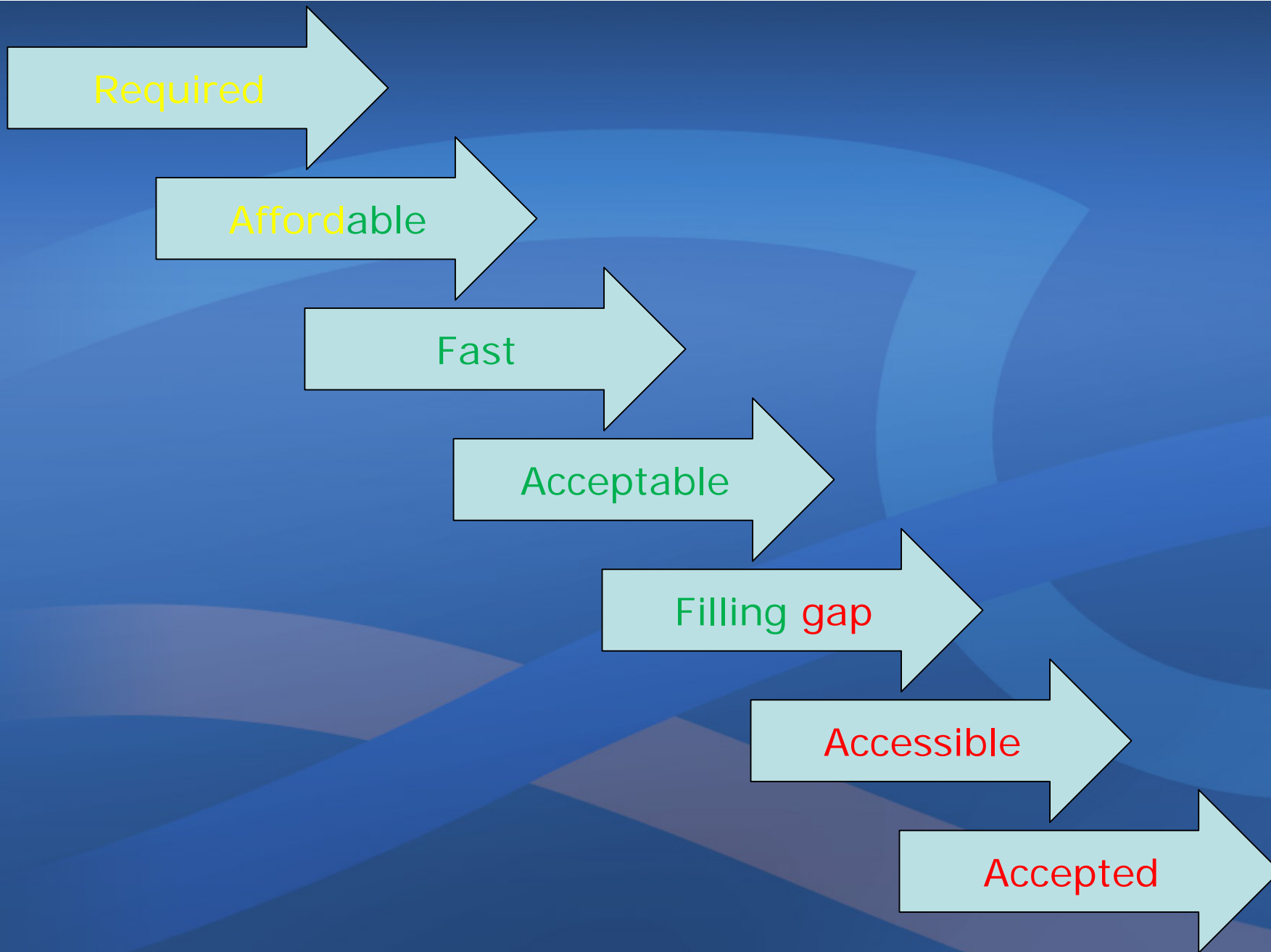


**WATER • ENVIRONMENT • HEALTH**

Accelerating eco-innovation through environmental  
technology verification

Brussels, 12-13 October 2009

# The essentials for ETV added value



## Development

*Pilot & demonstration*

- ⇒ Proof of concept
- ⇒ Parameters from development needs
- ⇒ Done by vendor

## Early product

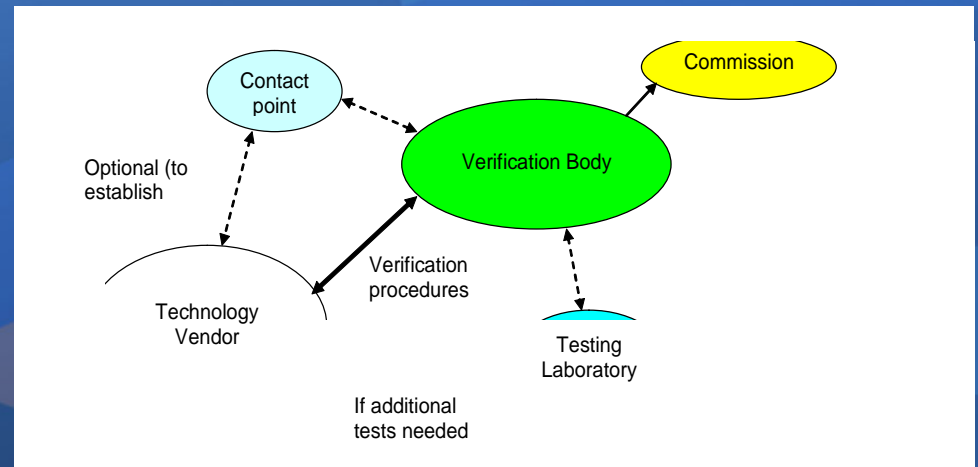
*Verification*

- ⇒ Documentation of performance
- ⇒ Parameters from application needs
- ⇒ Done by independent verification body

## Mature product

*Certification*

- ⇒ Documentation of performance requirement compliance
- ⇒ Parameters from standard, regulation or convention requirements
- ⇒ Done by accredited certification body





See next slide!



- Legislation is adapted
  - The essentials are fulfilled
    - Acceptance enforcement in place
      - The results are widely used



400

Environmental  
Technology  
Verification  
Project 100

150

of the Environment  
ENVIRONMENTAL  
TECHNOLOGY VERIFICATION

ETV



Global ETV

Chin

Philippin

Singap  
e



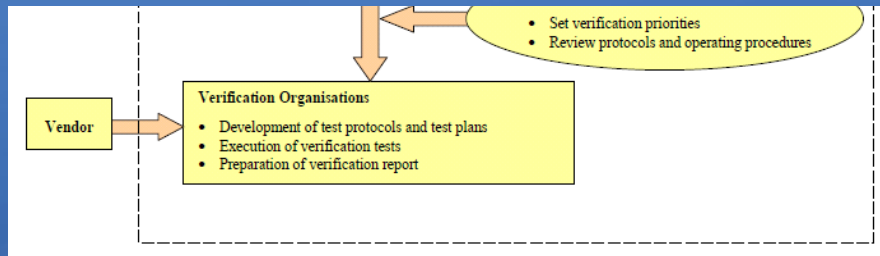
Term	Existing definitions		
	IWG	EU	Conformity assessment
<b>Environmental technology verification</b>	The provision of independent, credible, relevant test data on the performance of an environmental technology that have been collected by a technically-qualified third-party operating under a documented quality management system and using documented verification procedures and processes	The provision of objective evidence that the technical design of a given environmental technology ensures the fulfilment of a given performance claim, taking any measurement uncertainty and relevant assumptions into consideration.	Confirmation through examination of a given item and provision of objective evidence that it fulfils specified requirements.  <i>ISO 9000 (definition of verification)</i>

# The organizational task



## US EPA ETV

## ETV Canada



Verified once – verified everywhere?



**-or an ETV Tower of Babel?**

## National and regional verification schemes

- -2010
- Development phase
- Individual organization and operation models developed
- Protocols established
- ETV role in innovation emerging

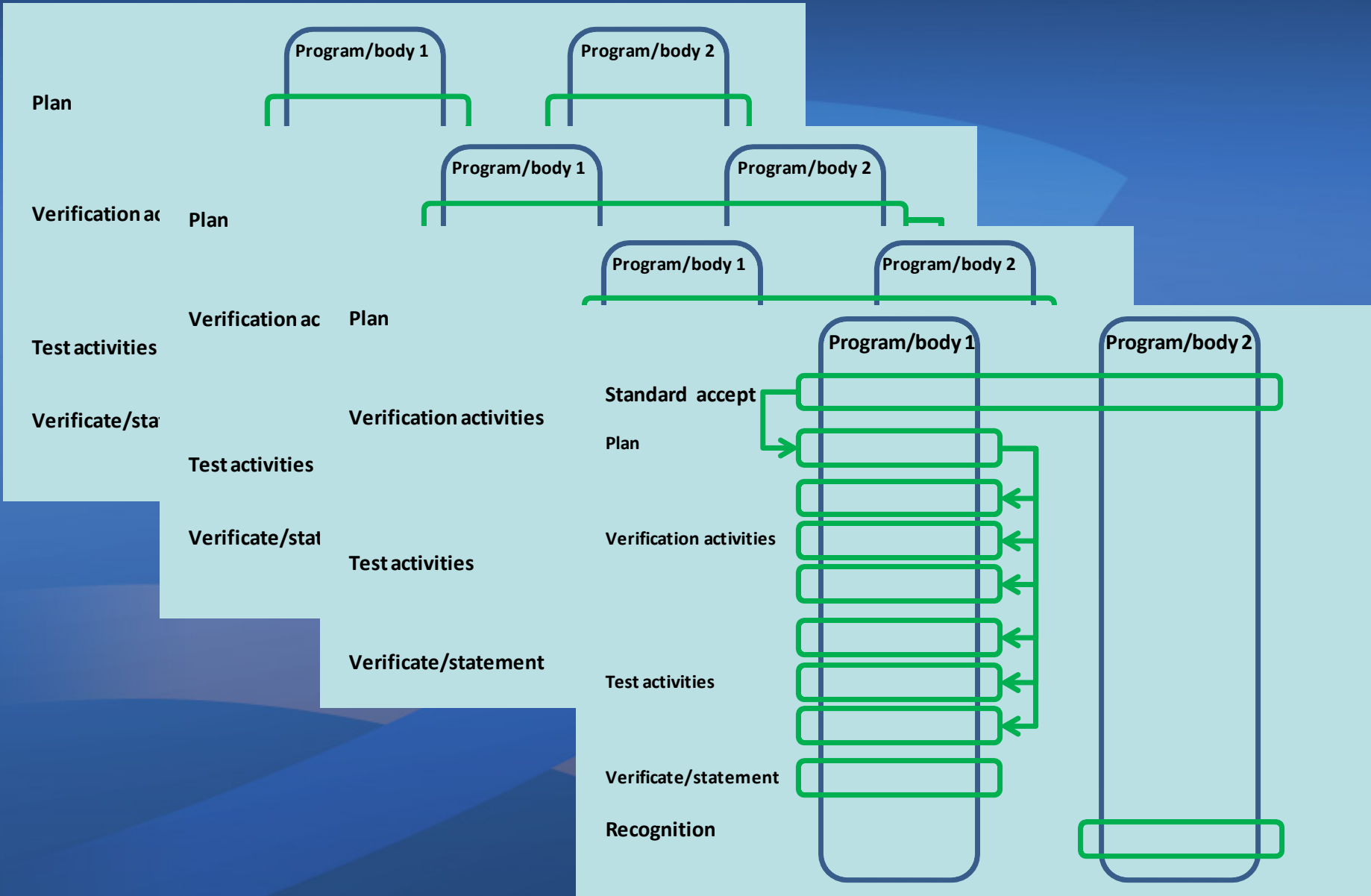
## Cooperating ETV schemes

- 2011-2015?
- Coordination and cooperation phase
- Mechanisms for cooperation and joint protocols developed
- ETV role in global innovation expanded

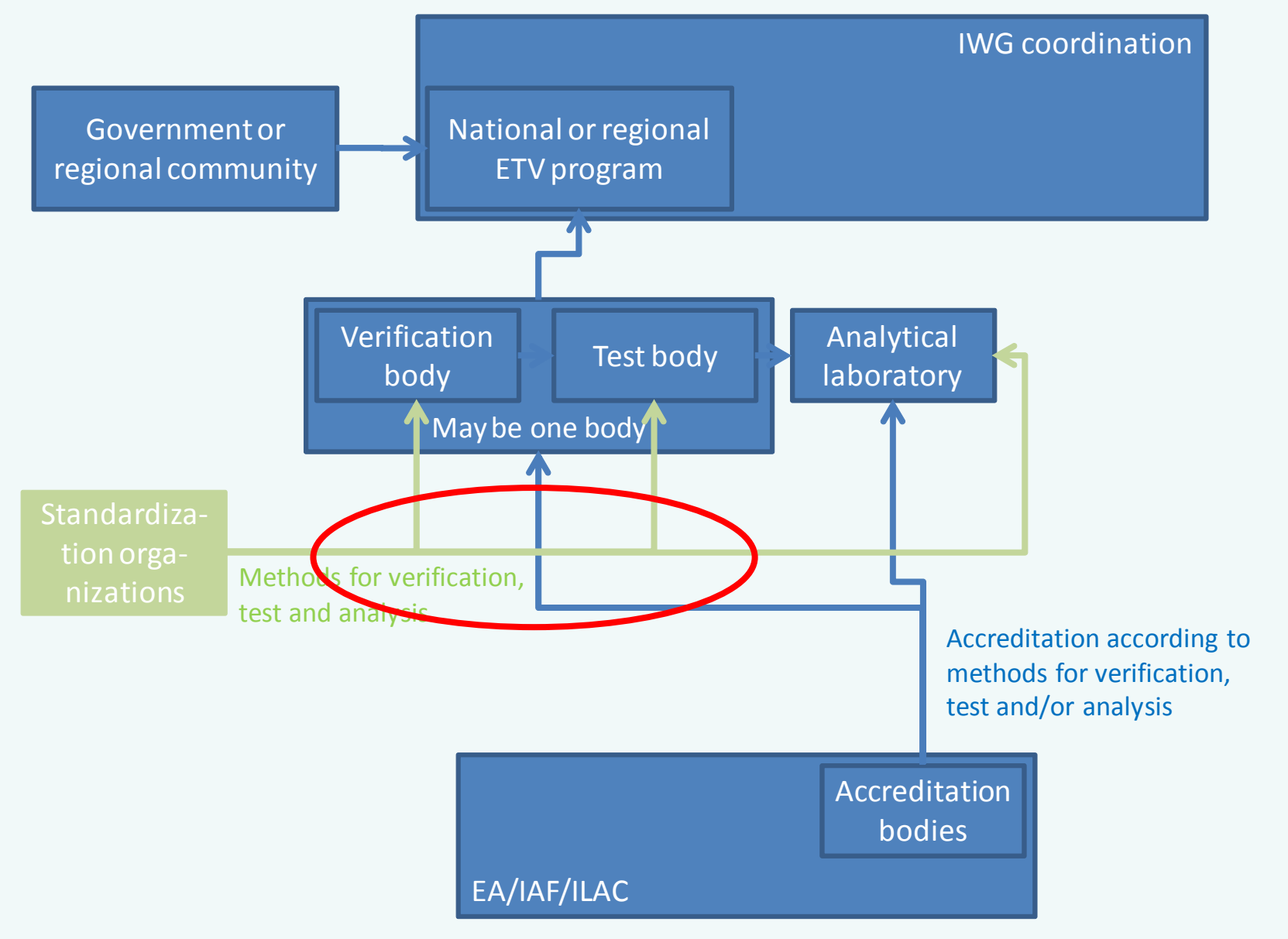
## Global, standard based ETV scheme

- 2015? –
- Uniform, standard based phase
- One framework accepted globally with full mutual recognition
- ETV a major factor in promoting innovative technologies through proof of performance

# Cooperating ETV schemes



# Global standardbased ETV scheme



- A EU ETV is needed
  - A European platform
- Development towards a global ETV must be accelerated
  - Global impact
- Think objectives and strategy
  - ◇ Barriers of rules and tactics

Want to know more?



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US EPA ETV: [www.epa.gov/etv](http://www.epa.gov/etv)

EU ETV: [www.eu-etv-strategy.eu](http://www.eu-etv-strategy.eu)