

# **Environmental Technology Verification: What and why?**

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Brussels/Belgium





# Environmental Technology Verification: What and why?



*"We have problems in getting references for our new odour abatement technology, as clients don't want to be associated with odour problems."* (vendor)

*"We provide an innovative biological off gas treatment technology, but no testing/standardisation framework exists to prove performance."*  
(SME, technology developer & provider)

*"Our new measurement device is able to measure BOD5 within a view hours instead of 5 days, but our performance data face problems in acceptance."* (SME, technology developer & provider)

*"As plant operator we could accept innovative, cost efficient technologies easier, if they could prove performance in a credible way"* (industrial client)

*"If performance of innovative technologies is proven in a reliable way, it would be easier for us to accept them"* (insurance company; national regulator)





# *Environmental Technology Verification: What and why?*



Innovative environmental technologies

What is needed?

How can ETV help Eco-innovation?

Why ETV?

Towards a European Scheme





# *Environmental Technologies: The European situation*



- High degree of innovative in development  
*but*
- Low degree of innovation on the market
- A Europe of 27  
*but*
- Heterogeneous degree of technology acceptance
- Globally well positioned  
*but*
- Increasing competition





# *Environmental Technologies: What Europe needs*



*“.. to improve the development and wider use of  
environmental technologies..”*

*(ETAP 2004)*

by:

- bring innovation to the market
- remove market entrance barriers
- create one European market
- improve the competitiveness of  
European technologies on a global market





# *Environmental Technologies: The problems of innovative products*



Need to provide reliable data, but:

- No framework of standards applicable or existing
  - Not comparable with commonly applied procedures
  - Lack of reference applications
- ⇒ Lack of proven, reliable information



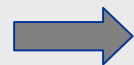


# *Environmental Technologies: What is needed?*



A tool to provide technology information that is:

- Addressing performance characteristics
- Flexible for innovative approaches
- Widely accepted
- Proven & reliable
- Easy accessible



***Environmental Technology Verification***





# How can ETV help Eco-innovation?



R & D

Market  
Introduction Phase

Commercialisation



Research

Proof of  
concept

Development

Demonstration Verification

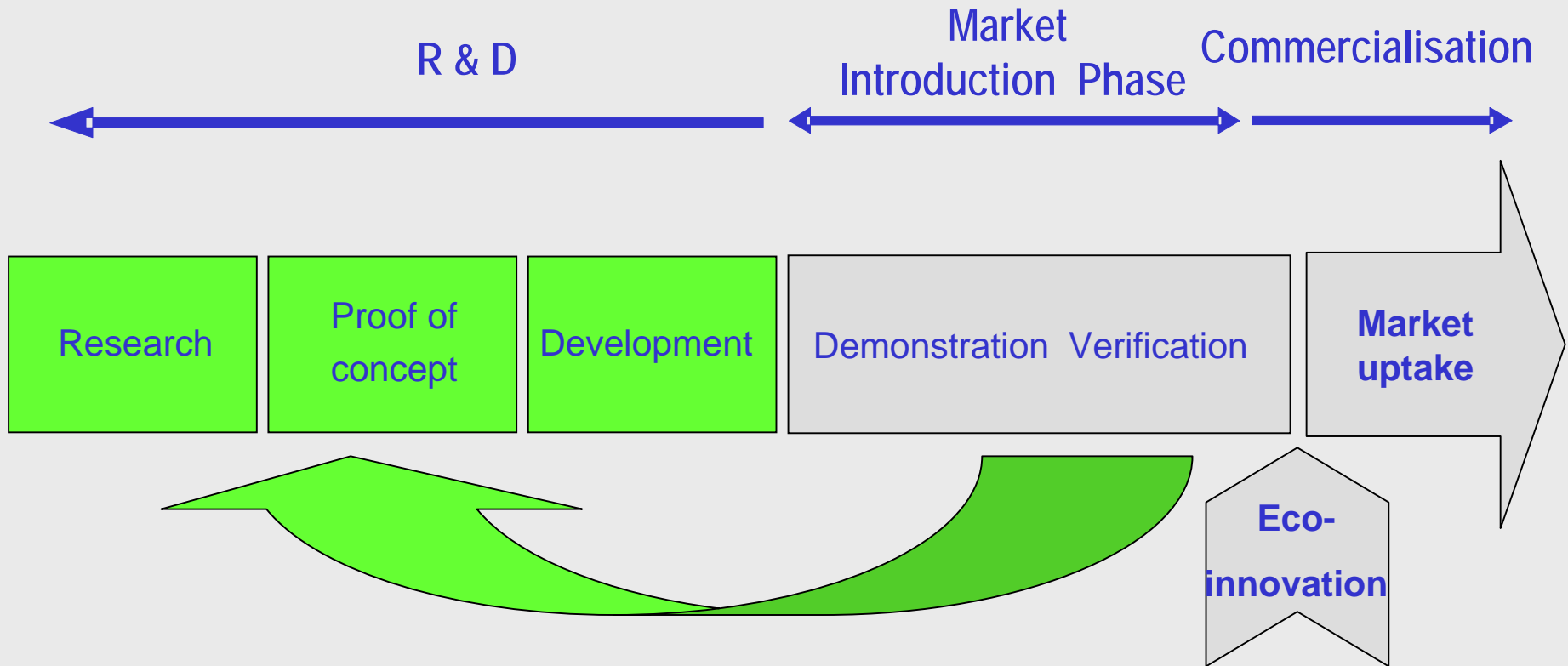
Market  
uptake

Eco-  
innovation





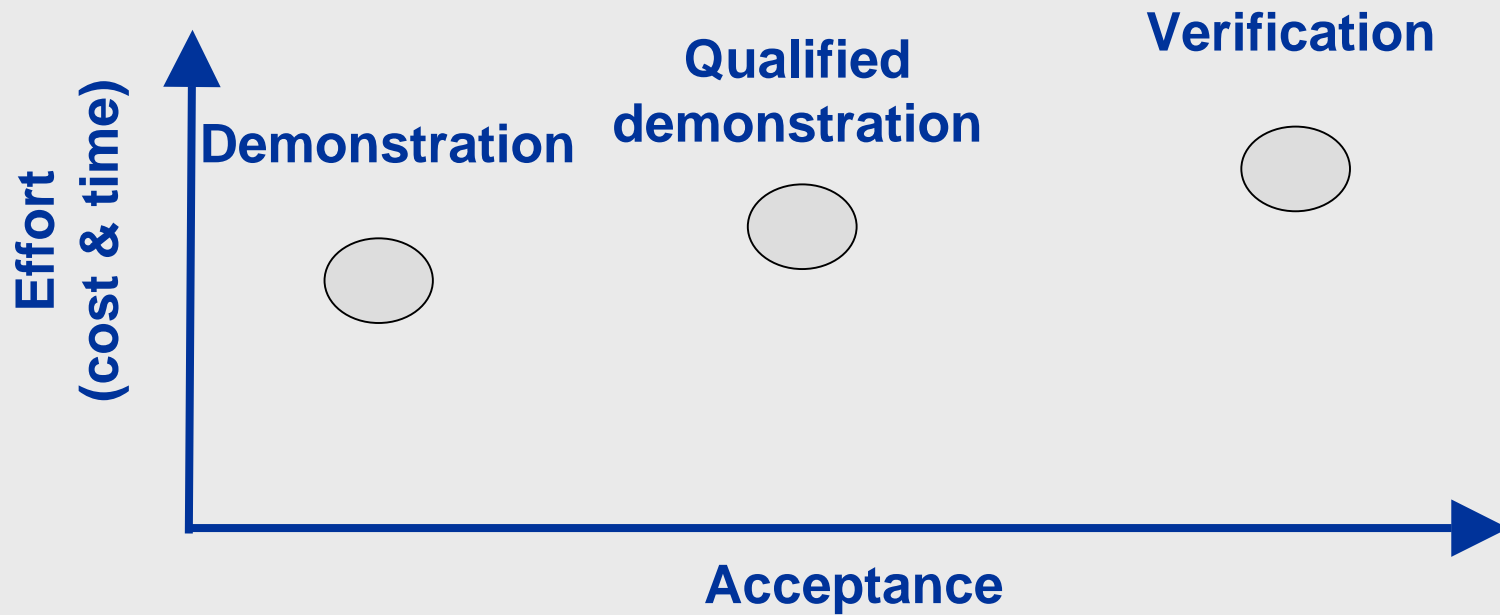
# How can ETV help Eco-innovation?





# Why ETV?

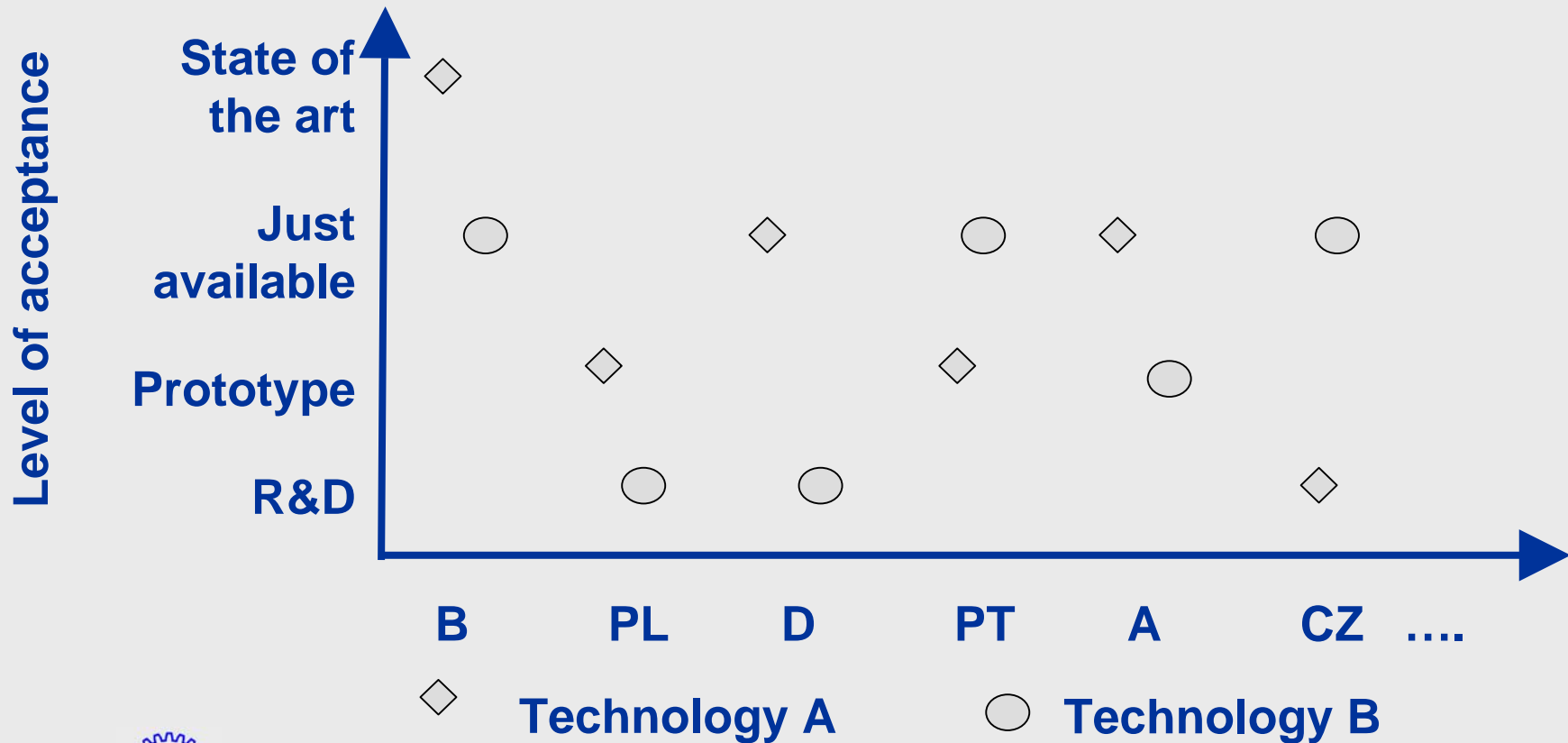
## Increasing acceptance





# Why ETV?

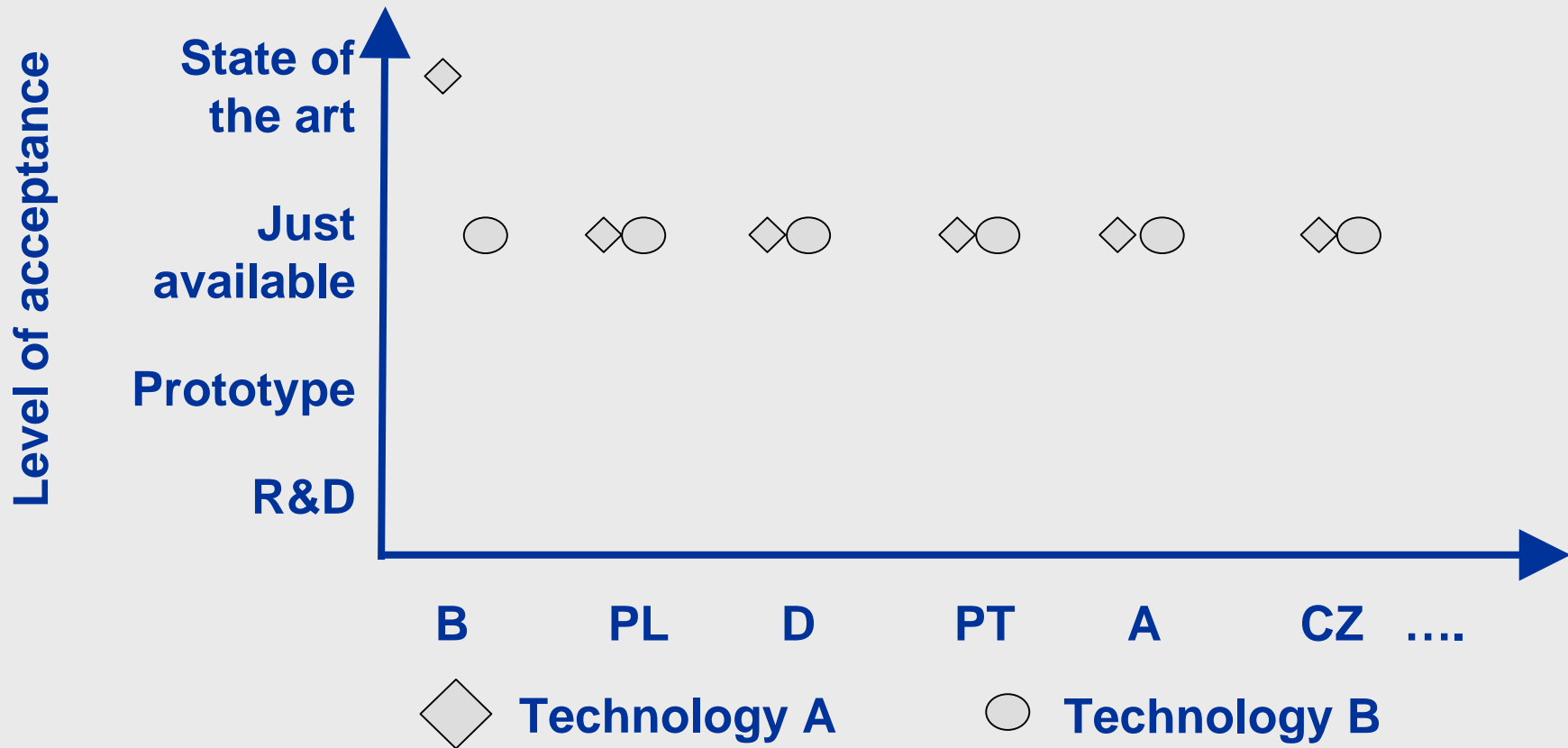
## Increasing acceptance





# Why ETV?

## Increasing acceptance





# Why ETV? The European dimension



**Today:  
Market entrance for  
innovative technologies**



**Evolving:  
Market entrance with  
European ETV-System**





# Why ETV?

## The global perspective



**Today:**  
**Market entrance for  
innovative technologies**



**Evolving:**  
**Market entrance with  
European ETV-System**

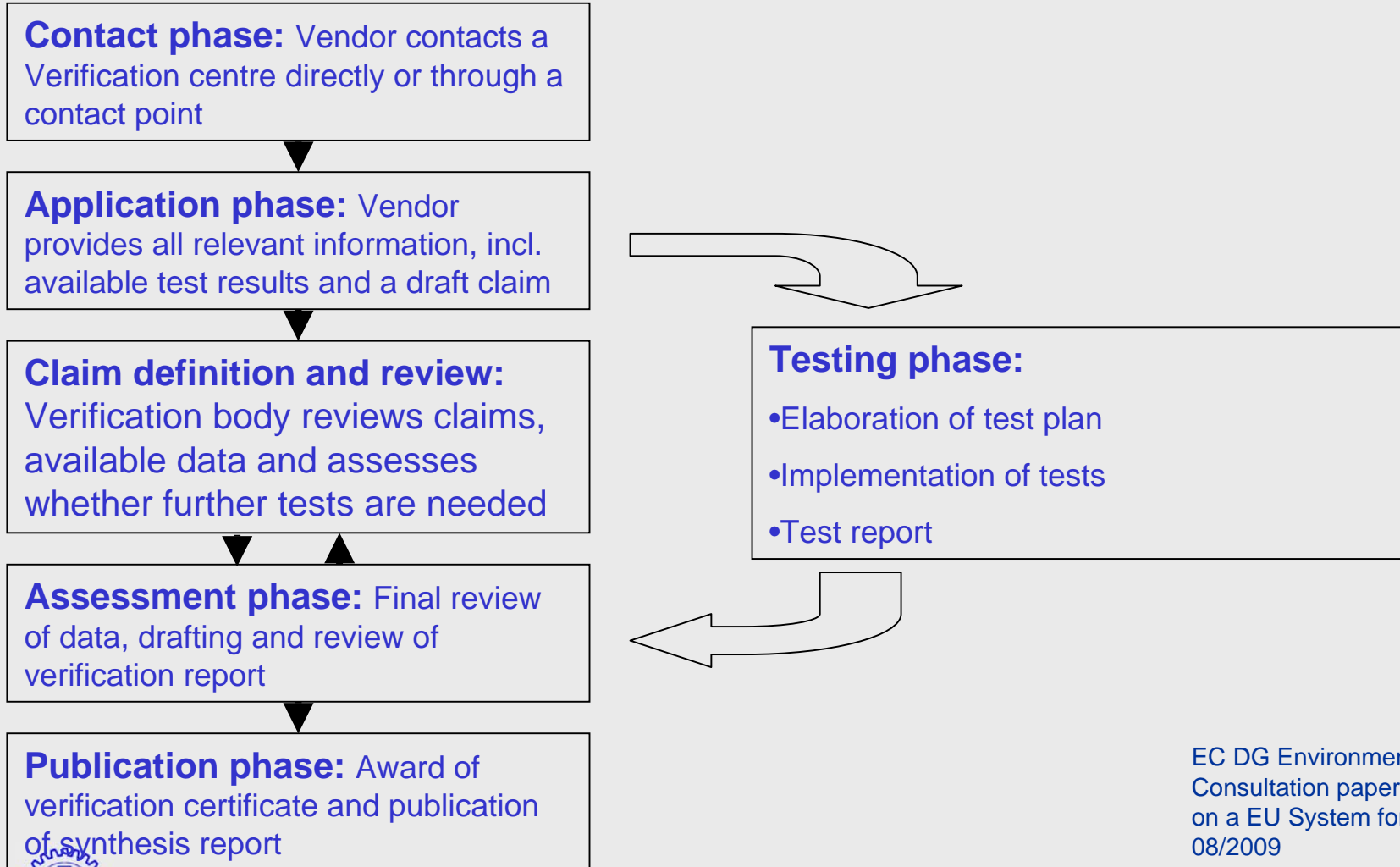


**The future:**  
**International  
recognition**





# Towards a European Scheme: Main Steps for ETV



EC DG Environment  
Consultation paper  
on a EU System for ETV,  
08/2009





# EU Scheme Structure



## ➤ Verification Bodies

Accredited by Member States for specific technology areas

Coordinated through technical groups per technology area

## ➤ Testing Laboratories

When additional tests are necessary

General accreditation for testing laboratories (not specific to ETV)

## ➤ Technical groups (opt.)

Organisw peer-review of Verification Bodies

Prepare technical guidance or protocols where appropriate

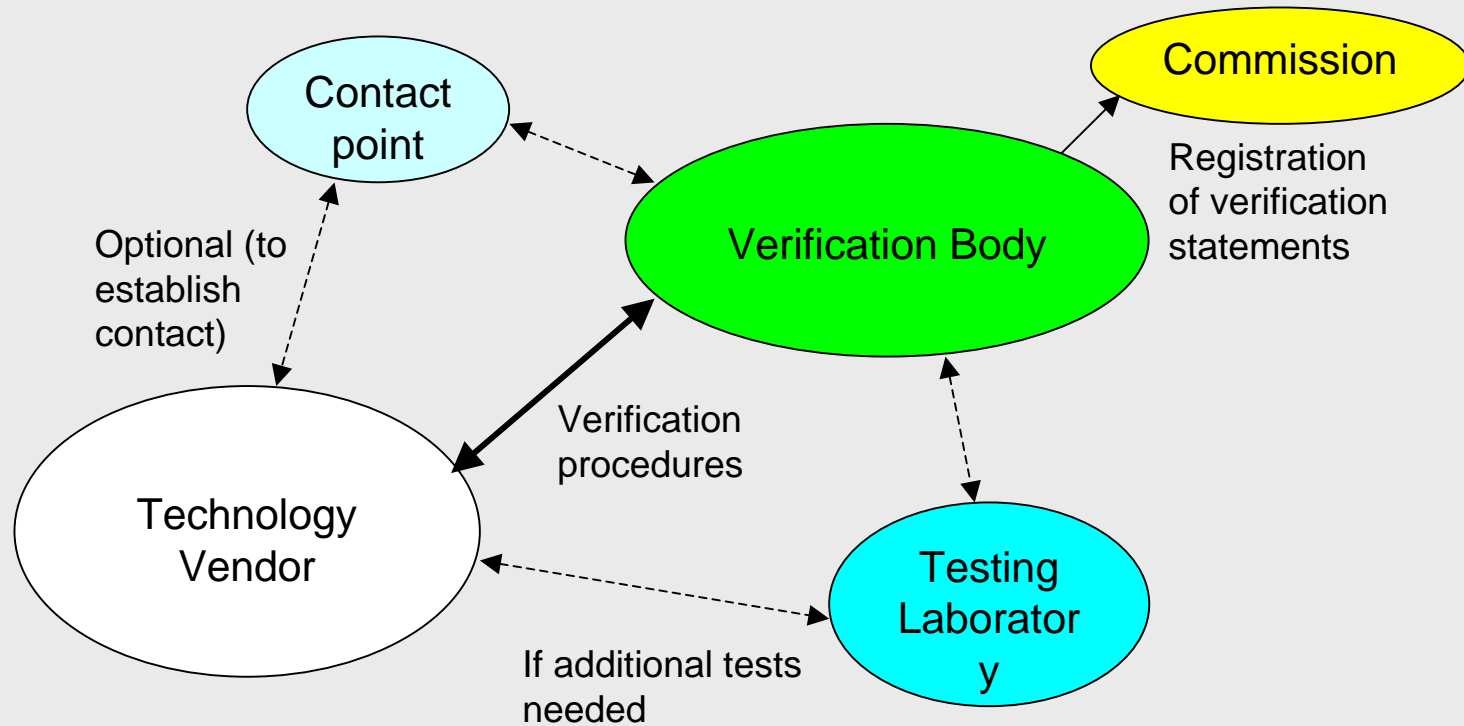
## ➤ Stakeholders groups

To advise the Commission and the technical groups



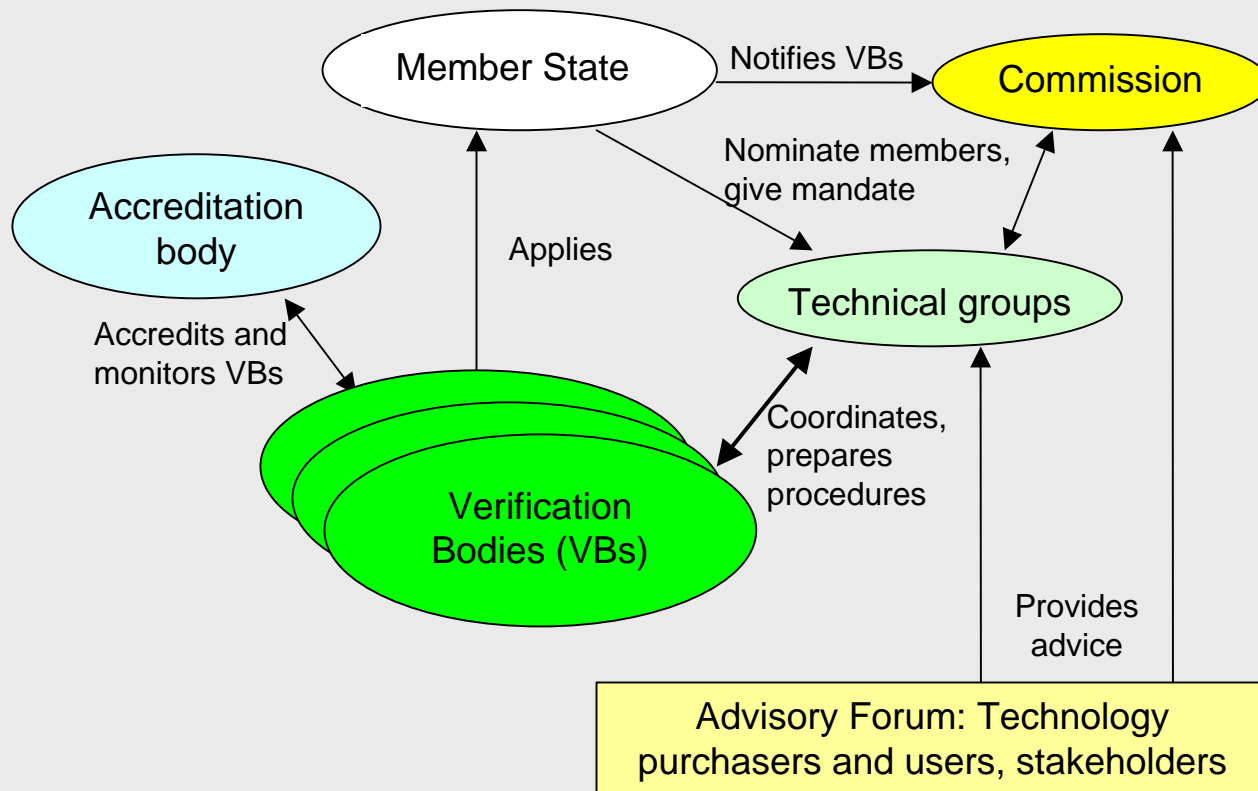


# EU Scheme for the vendor





# EU Scheme internal organisation





## EU Scheme Structure



- Commission proposal setting up the EU ETV Scheme (end 2009 or early 2010)
- Involvement of other EU institutions and Member States, preparation of ETV operational procedures (2010)
- Accreditation of Verification Bodies, setting-up of technical groups (2011)
- European Scheme fully operational (end 2011 or 2012)



*Thank you!*

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