

Recommendations for a EU Verification System

Dr. Thomas Track
DECHEMA e.V., Frankfurt/Main
Email: track@dechema.de

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Basis for recommendations



PROMOTE

“Efficiency control and performance verification of improved approaches for soil-groundwater protection and rehabilitation”



AIRTV

“Testing network for verification of air emissions abatement technologies”



- Stakeholder workshops
- Interviews
- Questionnaires
- Pilot verifications:
in lab, reference & field scale
according to CWA32



Recommendations for a EU ETV System



Generic recommendations
Standardisation & BREFs
The verification procedure
Scales of verification





Improving communication
will increase acceptance!

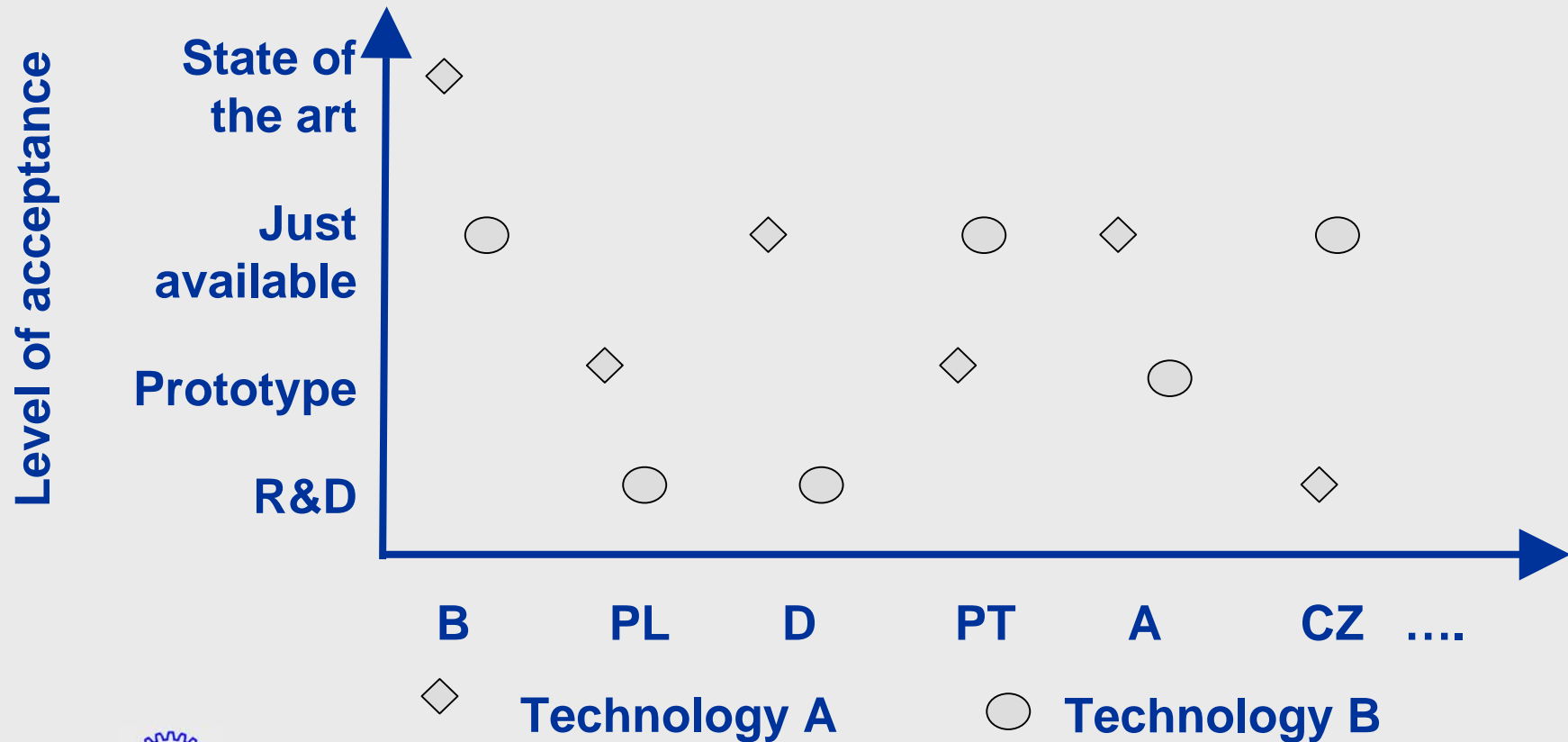
Generic recommendations



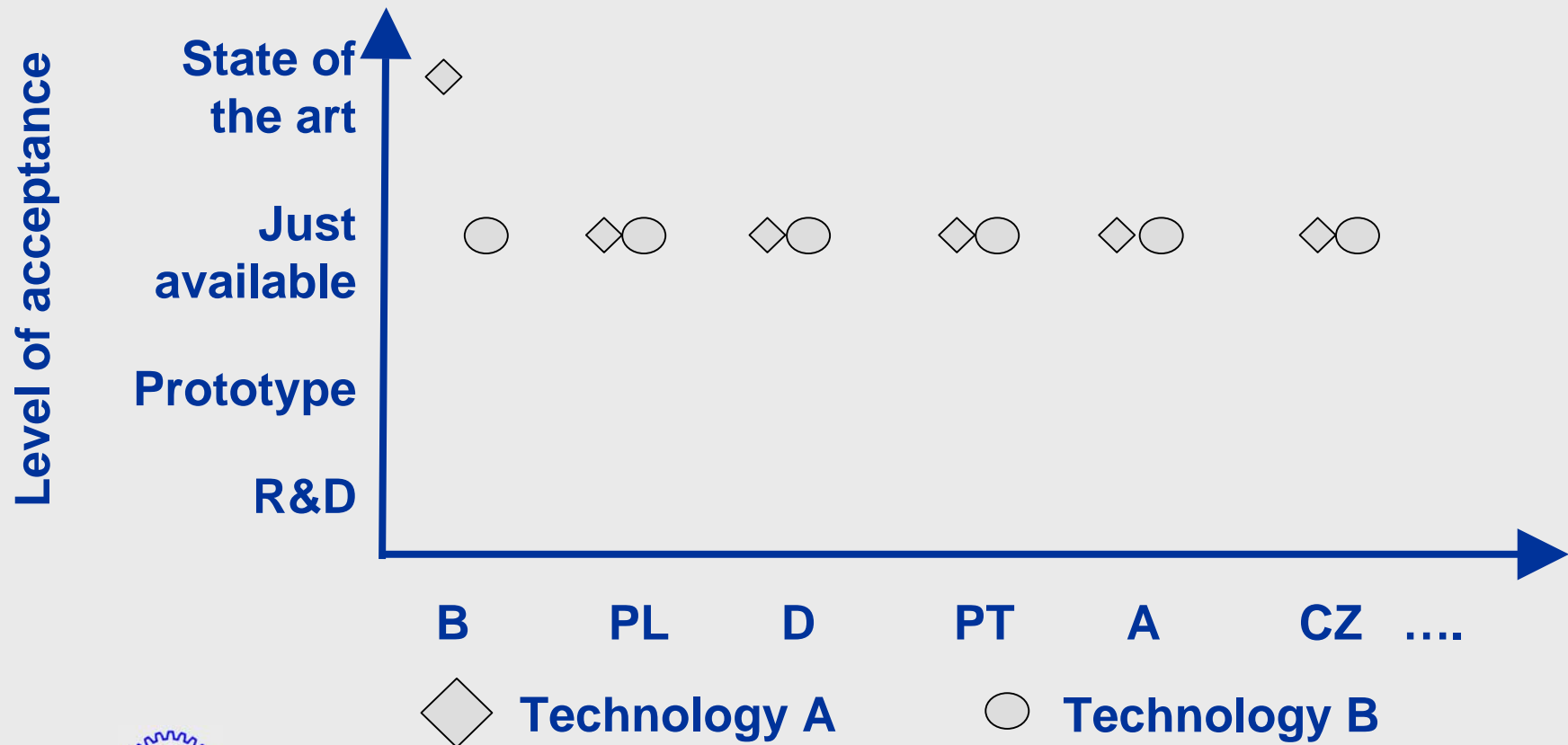
- Verify products not technologies
- Allow verification of innovation and improvement
- Keep it voluntary
- Ensure a Europe wide acceptance



Generic recommendations



Generic recommendations



Generic recommendations



- Verify products not technologies
- Allow verification of innovation and improvement
- Keep it voluntary
- Ensure a Europe wide acceptance
- Create faster market entrance for verified technologies
Europe wide and global



Generic recommendations

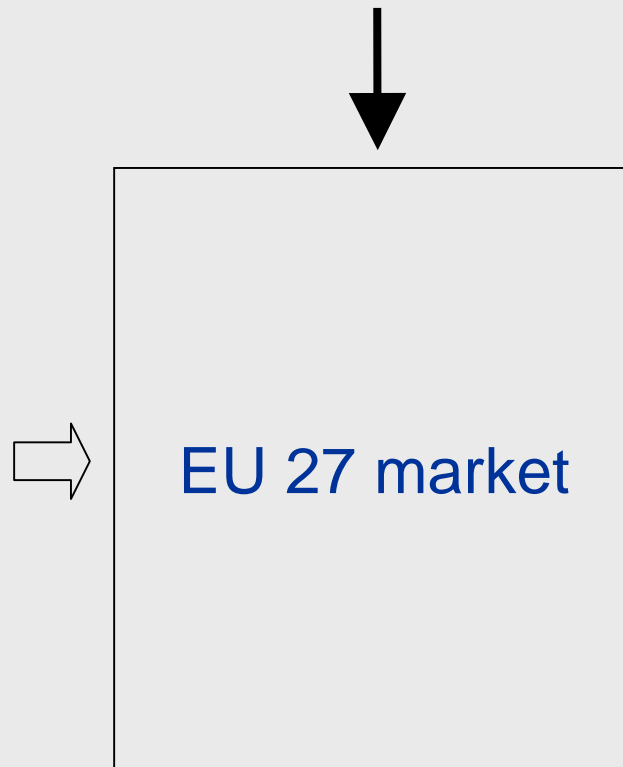


Create faster market entrance

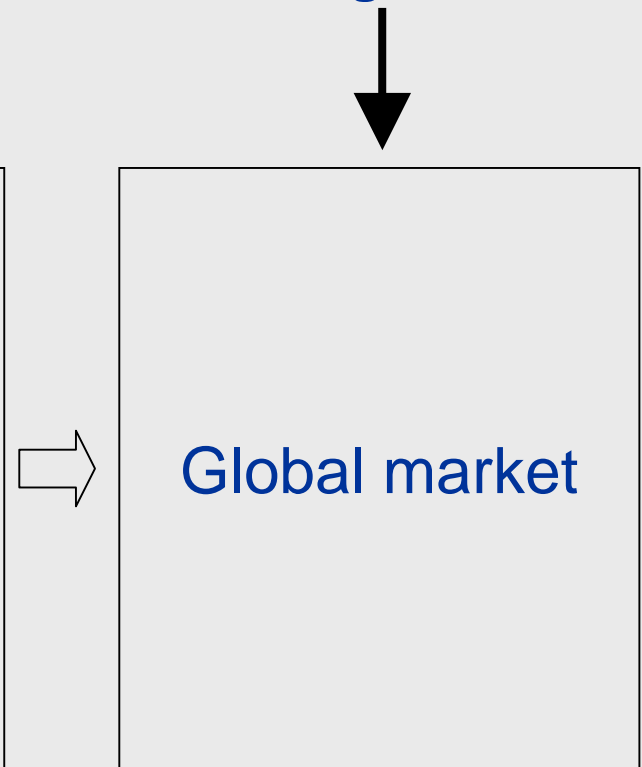
Before verification



After verification



**Mutual
recognition**



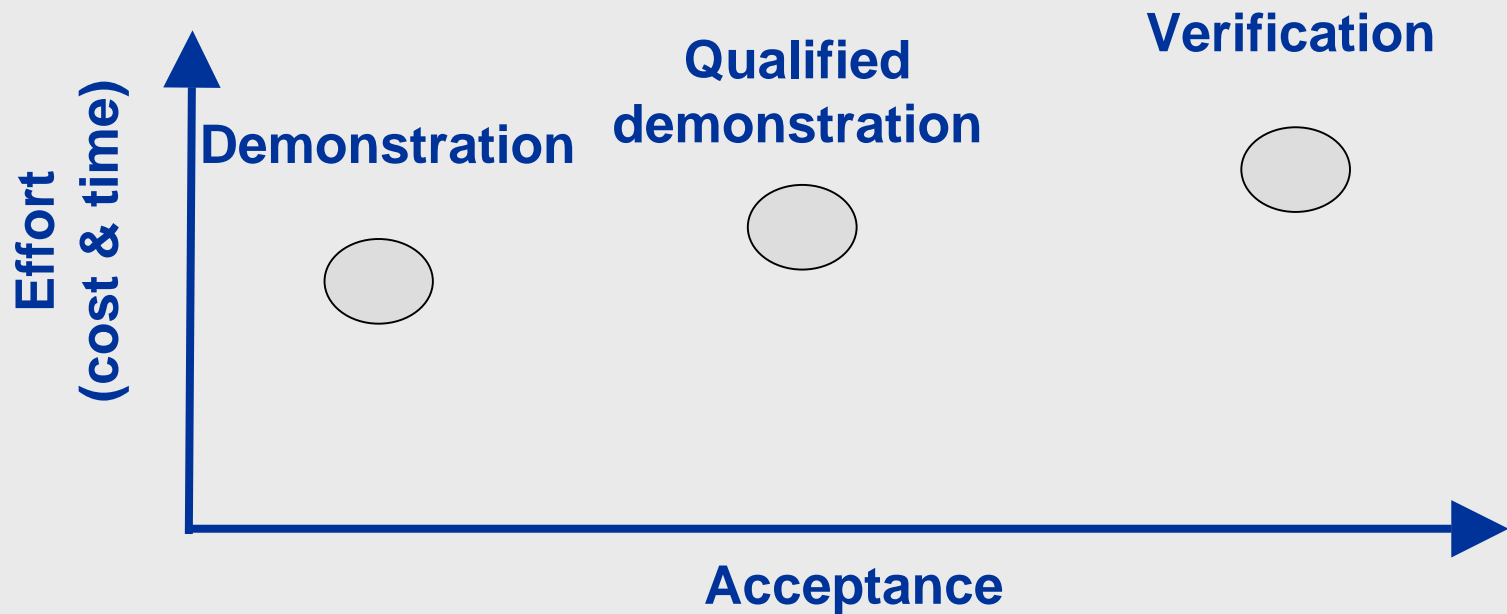
Generic recommendations



- Verify products not technologies
- Allow verification of innovation and improvement
- Keep it voluntary
- Ensure a Europe wide acceptance
- Create faster market entrance for verified technologies
Europe wide and global
- Combine verification with demonstration



Generic recommendations:
Combine verification with demonstration



Generic recommendations



- Use given structures
- Avoid language and access barriers by national contact points
- Provide a clear confidentiality & liability policy
- ETV logo should be:
 - well traceable
 - clear range of validity
 - limited life time
- Fast track for improvement of verified technologies



Generic recommendations

- side effects



A tool to:

- Improve technologies & processes
- Improve quality in technology development
- Guide SMEs to efficient technology development
- Provide information on available eco-innovation





- Link ETV with BREF chapter 6 “Emerging techniques”
- Support mutual recognition by standardisation of the ETV procedure
- ETV can not compete with regulated and standardisation driven fields

but

- Can make use of standards



The verification procedure



- Credible, verifiable claims are crucial
- Find a balance between acceptance of existing data and credibility
- Laboratories should fulfil existing quality criteria
- Logistics is a crucial point in all scales verification



How to prove
the wide variety of conditions
in practice?

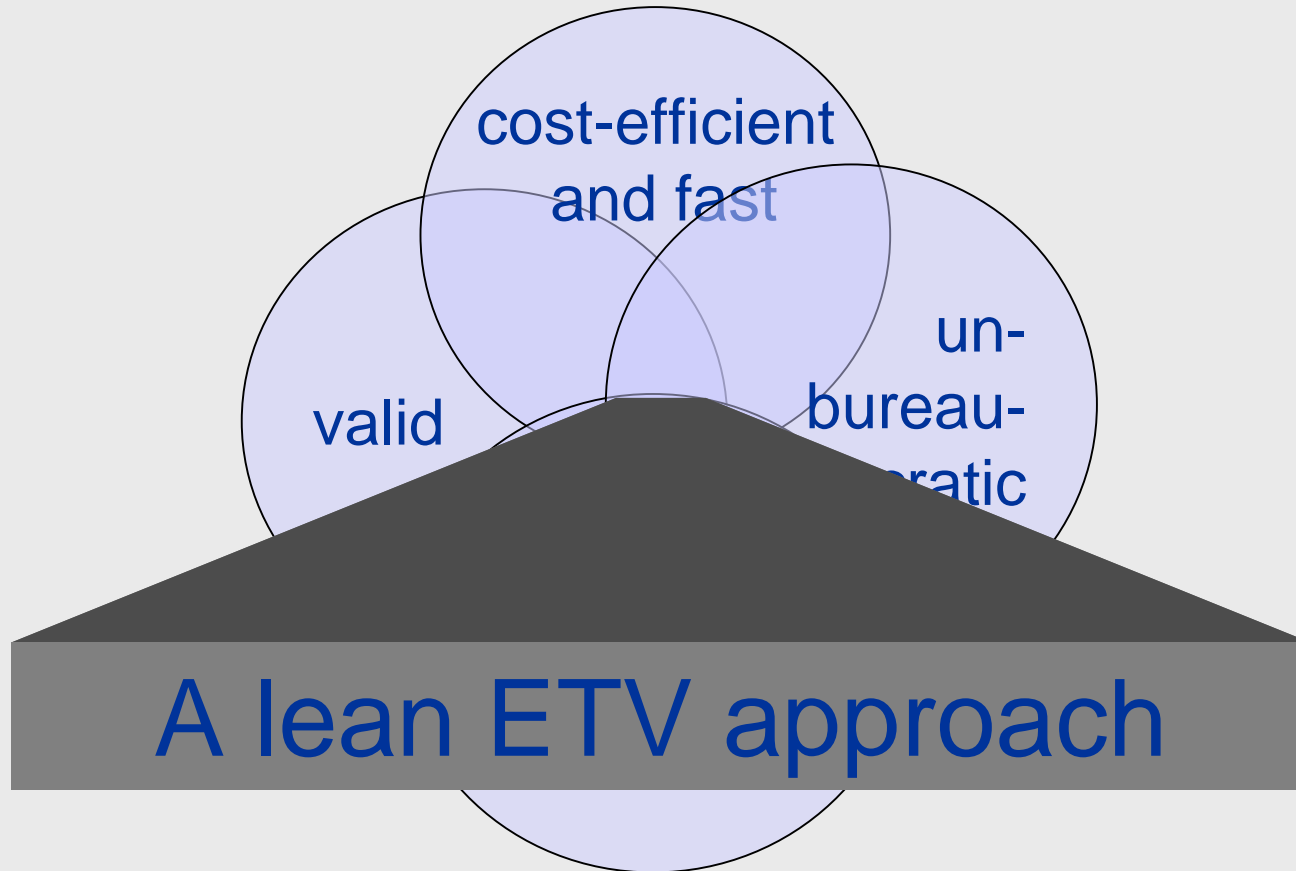
Scale of verification



- Lab scale:
 - technology principle
 - basic parameters of operation
 - statistical parameter
- Reference scale
 - statistical parameters
 - interferences/cross reactions
 - strongly varying parameters
- Full/Field scale:
 - scale related parameters
 - influence of environmental or process conditions



Generic recommendations



***Thank you very much
for your attention!***



