



## Verification – how much does it cost and how to minimize the costs

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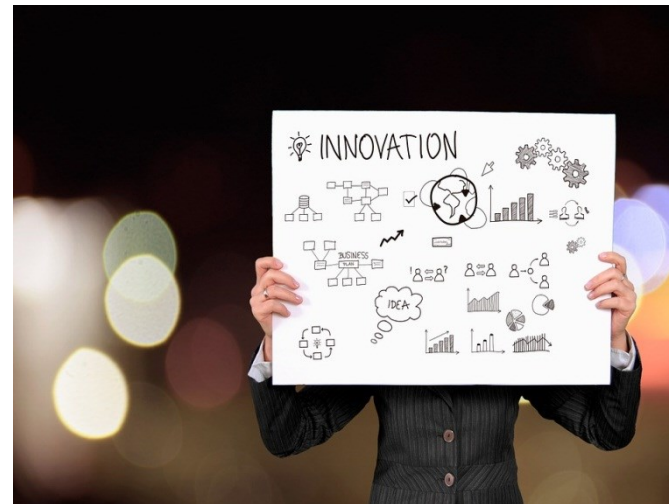
**Workshop:**  
**How to verify the performance of an innovative, energy efficient technology for wastewater sector under the EU ETV**  
**Programme?**  
**Oslo, 23.10.2017**

# What are the verification costs at all stages of the process?

Phase:	Costs
<b>Quick Scan</b>	<p>the costs necessary to invest to prepare Quick Scan: personnel costs of proposer and Verification Body</p> <ul style="list-style-type: none"> <li>➤ in some Verification Bodies this stage is free of charge and in some treated as a flat fee</li> </ul>
<b>Proposal</b>	<p>the costs necessary to invest to prepare Verification Proposal: personnel costs of proposer and Verification Body</p> <ul style="list-style-type: none"> <li>➤ paid stage, regulated by agreement</li> </ul>
<b>Verification</b>	<p>Verification expenses: personnel costs of proposer and Verification Body: experts; costs of elaboration Specific Verification Protocol, Verification Report and Statement of Verification; possible translations</p>
<b>Testing</b>	<p>After completion of the specific verification protocol preparation phase and if additional tests are needed, the testing phase is entered into.</p> <ul style="list-style-type: none"> <li>➤ the costs may occur before verification if it is planned in a marketing strategy or during verification process</li> </ul>

Costs can vary considerably depending on:

- the type and complexity of technology,
- the number of verified parameters necessary to confirm performance claim,
- the quality of existing data.



The highest cost of whole verification process under EU ETV pilot programme, but also the most difficult to estimate till the moment we receive from proposer all available test results.

It is estimated that the testing costs may represent 3/5 of the cost of the entire verification.



**The costs does not have to necessarily ruin the budget of SMEs.  
Refer to the available financial instrument.**

# How to reduce testing costs for ETV?

Project development stage	Methods to reduce the costs for ETV
<p><b>Research and development</b></p>	<p>Planning ETV verification at this stage allows <b>for the most effective cost reduction</b>.</p> <p>Technology manufacturers typically undertake full-scale demonstration or prototype roll-out before starting marketing their new technologies.</p> <p>This can be an opportunity to organize scientifically-sound technology performance testing, with a view to gathering test data of good quality.</p> <p>To fulfil ETV quality requirements, a complete ETV verification procedure could be discussed at this stage with a competent verification body.</p> <p>Any additional cost due to data requirements and data quality would then be minimal when integrated into larger projects, and the cost of additional verification tests might then be avoided.</p> <p>Financial instruments EU focused on:</p> <ul style="list-style-type: none"> <li>➤ SME Internationalization</li> <li>➤ commercialization</li> </ul>
<p><b>Launch into the market/implementation</b></p>	<p>Looking for EU funding for commercialization technologies and marketing of new products and services.</p>
<p><b>Sales development</b></p>	<p>Looking for EU funding for commercialization technologies and marketing of new products and services.</p>

Direct support to technology manufacturers – in particular SMEs – for verification under the ETV pilot programme could also be sought through larger funding programmes, at EU and Member State level:

- Verification under ETV may be presented as the last step in research and development projects supported by research funding aimed at developing environmental technologies to become ready for the market;
- Under EU programmes such as Horizon 2020 , LIFE+, ETV procedures could be integrated into larger projects including, for example, industrial investments, industry-research partnerships or prototypes;
- A number of SME-support schemes in Member States include support to product certification, authorisation procedures or marketing of new products and services.

## Horyzont 2020

Framework funding programme for all EU research & innovation-related activities (2014-2020)

The main measures identified are:

- Substantial support will be provided for innovation activities directly aiming at producing plans and arrangements or designs for new, altered or improved products, processes or services. For this purpose they may include prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.
- Significant support to demand side approaches will be another important feature, notably pre-commercial procurement (PCP) and public procurement of innovative solutions (PPI), as well as regulation to foster innovation and standard-setting to facilitate market entry or diffusion of innovations.



## Life +

**LIFE Environment & Resource Efficiency** (sub-programme for Environment) will co-finance action grants for **pilot** and **demonstration** projects to develop, test and demonstrate policy or management approaches, best practices and solutions, including development and demonstration of innovative technologies



**Thanks for your attention**

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