

Subject: Call for Proposals for Experts for Technical Groups for the Environmental Technology Verification (ETV) Pilot Programme

To whom it may concern

The European Commission's Environmental Technology Verification pilot programme has been launched following adoption on December 15th 2011 of the Communication¹ on “Innovation for a Sustainable Future – The Eco-Innovation Action Plan (Eco-AP)”. Specific details for Environmental Technology Verification are provided in the Commission Staff Working Paper² on “The Environmental Technology Verification (ETV) initiative – Helping Eco-Innovations to reach the Market”.

The ETV pilot programme will provide independent verification of the performance of new environmental technologies. This will help manufacturers prove the reliability of performance claims, and help technology purchasers identify innovations that suit their needs. ETV will initially cover three areas: water treatment and monitoring; materials, waste and resources; and energy technologies. ETV will be implemented by accredited Verification Bodies co-ordinated by thematic technical groups (TGs) for each of the three technologies areas.

As discussed and agreed during the ETV Steering Group Meeting on December 19th, the European Commission Joint Research Centre (JRC) would like to receive suggestions from Member States as to whom should be nominated as experts for the ETV technical groups. The Technical Groups are defined in the ETV General Verification Protocol, part A.II.4, (available on the ETV website: <http://ec.europa.eu/environment/etv/index.htm>).

The information is to be provided using the attached template, suggesting the names of 1 or 2 experts for each of the technology areas (water, energy and materials) and sending the completed templates, one for each expert with CVs, before February 14th 2012 to: etv.jrc@jrc.nl

These nominations are sought solely to allow the European Commission to establish a list of potential candidates: it is important to note that the submission of experts' names does not necessarily mean the experts will be selected. In addition, the TGs themselves and the nominations of experts can only be considered provisional until the completion of accreditation procedures for candidate Verification Bodies and the nomination of representatives by the accredited VBs.

As agreed, before the next Steering Group Meeting on February 17th, the JRC will take stock of suggestions, assess gaps and needs and, if possible, present a proposal for the composition of the TGs and/or schedule for the next steps. After the Steering Group opinion has given its opinion, candidates will be approached directly by the JRC.

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(on behalf of JRC Institute for Energy and Transport, ETV support group)

¹ COM (2011) 899

² SEC (2011) 1600 final

ETV pilot programme - Identification of external experts for the Technical Groups

Relevant text extracted from the ETV General Verification Protocol

A.II.4 Technical working groups

A.II.4.1 Qualification

Technical working groups, one per technology area or sub-area, will be established in order to harmonise the implementation of ETV procedures by Verification Bodies in the different technology areas and in the different participating countries, and ensure the same level of quality of verification results, in particular Statements of Verification.

The members of the technical working groups shall meet the requirements of independence, absence of conflicts of interest, professional impartiality and professional secrecy, as required from the personnel of Verification Bodies under Section A.II.3.1 'Qualification', paragraphs 4, 5, 7, 11 and 13. Those members of the technical working groups which are not employed by Verification Bodies shall provide a statement on honour covering these requirements.

A.II.4.2 Nomination

The technical working groups altogether shall include at least one representative of each Verification Body and a similar number of other experts, the list of which shall be approved by the Commission services after consultation of the Steering Group. The composition of the technical working groups shall be balanced from the point of view of technical, scientific and market expertise and from the point of view of representing the various parties interested in ETV, as far as possible.

A.II.4.3 Roles and responsibilities

The role of technical working groups is to provide:

- *Guidance on the application of ETV procedures in relevant technology areas, including the preparation and responsibility of specific guidance documents where appropriate, and contribution to related pre-standardisation or standardisation activities where appropriate;*
- *Screening of potential environmental impacts associated with the use of technologies, throughout the life cycle of related technologies; identification of relevant key environmental aspects and of the main technical factors influencing environmental impacts, and drafting of reference documents summarising the information resulting from this paragraph for use by the proposers and Verification Bodies;*
- *Detailing the technology areas of ETV into technology groups or applications and possible subdivisions into sub-groups in order to allow for the screening of potential*

environmental impacts and identification of key environmental aspects. Keeping the resulting list of technology groups or applications updated;

- *Exchange of good practices concerning the implementation of ETV, sharing of information on relevant market aspects for the technology area and dialogue with relevant stakeholders, including technology users.*

The technical working groups will inform regularly the Steering Group of their activities and outputs, and consult the Steering Group on the documents having an important impact on the implementation of the ETV pilot programme.

In case of disagreement between a verification body and a proposer, another verification body or another stakeholder, the relevant technical working group shall give an opinion on specific cases or procedures, at the request of the Commission services or one of the parties concerned.

As a consequence of the GVP extract above, the external experts, to be nominated in addition to the representatives of Verification Bodies, should altogether have the following expertise:

- General knowledge of the technology areas concerned, i.e. knowledge of the existing and emerging technologies in these areas, conditions of use and technical constraints,
- Knowledge of testing and demonstration techniques and requirements in this field and related pre-standardisation or standardisation activities,
- Knowledge of the main types of technology users in this field – technical and market constraints, users needs and usual requirements on technologies, purchasing criteria,
- Knowledge of the environmental impacts associated with the field of technologies, including of life-cycle aspects and associated tools (Life-Cycle Analysis, Environmental Product Declaration, Key Environmental Performance Indicators...)

The following approach is proposed:

- 1) Each participating country identifies **one or two experts for each of the 3 technology areas** covered by the ETV pilot programme and covering part or all of the field of expertise described above;
- 2) For each expert identified, a Curriculum Vitae and/or clear description of the experience and field of expertise covered, is sent to the Commission / JRC to constitute a **base of experts** for the ETV technical groups;
- 3) Experts should be aware of the **conditions of independence** provided in the GVP and ready to sign a Statement on their honour covering them;
- 4) When Verification Bodies have nominated their representatives to the technical groups, the Commission / JRC draws **a proposal to complete each technical group** with a similar number of external experts, trying to achieve a balanced group as required by the GVP;
- 5) The proposal is **circulated to the ETV Steering Group for comments**, possibly amended and re-circulated before being considered final;
- 6) The Commission contacts each expert to inform on their nomination, have Statements on their honour signed and set up the first meetings of technical groups.

Template for presenting the experience and competence of an expert for ETV Technical Groups

A. General and personal information

Title:

Family name, forename(s):

Nationality:

Employer or institution:

Please note that experts will be selected according to their skills and capacities. The name of their employer or institution is requested for background information only.

Contact details (personal or professional address, telephone number and e-mail address):

B. Knowledge and experience of selected technology areas

The following areas of technology are those that have been retained under the ETV pilot programme. Concerning the existing and emerging aspects of those technologies, the underlying principles, conditions of use, technical constraints, significant successes, failures and technical weaknesses, please specify whether you have:

- in-depth knowledge and/or experience (score as 2);
- general yet significant knowledge and/or experience (score as 1); or
- no significant knowledge or experience (score as 0).

Please complete the following table with '2', '1' or '0' in each cell of the right column; add rows if needed, e.g. when the description proposed does not match the field of expertise:

Technology area and sub-areas	Level of expertise (2, 1 or 0)
Water treatment and monitoring	
Monitoring of water quality for microbial and chemical contaminants (e.g. test kits, probes, analysers)	
Treatment of drinking water for microbial and chemical contaminants (e.g. filtration, chemical disinfection, advanced oxidation) and desalination of seawater	
Treatment of wastewater for microbial and chemical contaminants (e.g. separation techniques, biological treatment, electrochemical methods, small-scale treatment systems)	

Materials, waste and resources	
Recycling of industrial by-products and waste into secondary materials, recycling of construction waste into building materials (e.g. reworking of bricks)	
Separation or sorting techniques for solid waste (e.g. reworking of plastics, mixed waste and metals), materials recovery	
Recycling of batteries, accumulators and chemicals (e.g. metal reworking technologies)	
Reduction of mercury contamination from solid waste (e.g. separation, waste mercury removal and safe storage technologies)	
Products made of biomass (health products, fiberproducts, bioplastics, biofuels, enzymes)	
Energy technologies	
Production of heat and power from renewable sources of energy (e.g. wind, sea, geothermic and biomass)	
Reuse of energy from waste (e.g. 3 rd generation biofuels and combustion technologies)	
Energy efficiency technologies (e.g. micro-turbines, hydrogen and fuel cells, heat pumps, combined heat and power production, logistics)	

Please summarise in the following box the experience acquired in the fields above (companies, projects (with level of responsibility), publications, other references). If needed, attach a separate sheet with more complete references. Please do not change the box size, font and formatting.

C. Assessment of relevance of scientific and technical knowledge and experience, including environmental aspects

For the technology areas above for which you have scored 2 in Section B above, please indicate if this knowledge and experience is: strongly linked (2), generally linked (1) or not relevant (0) in relation to each of the following activities:

Please complete the following table with '2', '1' or '0' in each cell of the right column, add rows if needed, e.g. when the description proposed does not match the field of expertise:

Activity	Relevance of expertise (2, 1 or 0)
Evaluation of the level of innovation in new technologies	
Evaluation of the potential environmental benefits deriving from a new technology	
Definition of key environmental aspects of a technology from a life-cycle perspective, including the use of related tools and assessment of relevant documents such as Life-Cycle Analyses, Environmental Product Declarations and Key Environmental Performance Indicators	
Definition of performance parameters for a new technology, including the interpretation of users' needs into quantifiable parameters	
Definition of test requirements and test data quality requirements	
Assessment of verification protocols and test plans	
Assessment of test data, review of test procedures and reporting	
Drafting and review of verification reports and Statements of Verification	

Please summarise in the following box the experience and references related to the above. If needed, attach a separate sheet with more complete references. Please do not change the box size, font and formatting.

D. Knowledge and experience of market aspects and of the users of the selected environmental technologies

For the technology areas above which you scored 1 or 2 in Section B above, indicate if this knowledge and experience is very relevant (2), generally relevant (1) or not relevant (0) for the following:

Please complete the following table with '2', '1' or '0' in each cell of the right column, adding rows if needed, e.g. when the description proposed does not match the field of expertise:

Activity	Relevance of expertise (2, 1 or 0)
Evaluation of the market relevance of new technologies and of the benefit or added-value typically expected by users	
Understanding of the technical, legal and market constraints experienced by technology users, and an understanding of users needs related to new technologies	
Understanding of stakeholders' opinions, dialogue with stakeholders including technology users; and understanding of stakeholders' opinions in technical / scientific terms	
Understanding of the potential uses and benefits of ETV for local authorities, for regulatory and permitting authorities; formulation of related needs in technical and scientific terms	
Evaluation of the relevance of the verification (under ETV) of new technologies, for the technology developer as well as for the technology user	
Guidance and monitoring of the use of the Statement of Verification in the marketing of verified technologies, including possible abuse of ETV logo or misunderstandings about the meaning of verification in the ETV context	
Advice, arbitration or delivery of a formal opinion in cases where a dispute arises between a verification body (VB) and a technology proposer, or between a proposer and a technology user with regard to the Statement of Verification; or between VBs	
Advice on the evolution of the ETV pilot programme in the technology area(s) concerned, including the assessment of new technology groups suitable for ETV	

Please summarise in the following box the experience and references related to the scientific knowledge referred to above. If needed, attach a separate sheet with more complete references. Please do not change the box size, font or formatting.

A large, empty rectangular box with a thin black border, intended for the attachment of a Curriculum Vitae. The box is positioned at the top of the page and occupies a significant portion of the upper half.

The complete Curriculum Vitae of the proposed expert (including education, employment history and professional achievements relevant to ETV) must be attached to this form.