



Ensuring the Integrity of the European food chain

(Draft*)Topic 1 Standardisation and harmonisation of untargeted food integrity methods

* The topic is presented as a draft the topic text is yet to be approved by DGRTD



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A growing number of untargeted (fingerprinting) analytical methods have been developed. However, very few have been implemented by commercial or regulatory laboratories. To be 'fit for purpose' results of methods must be accepted by standardisation bodies (e.g. ISO) and in legal cases. This is due to the fact that for these untargeted methods, there are no formally defined performance characteristics available nor procedures for standardised validation. Furthermore, for the combination of analytical chemistry and statistics there are also no formal standardised validation protocols available.

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Topic 1 (continued)

A working group of international experts on untargeted analysis and methods should be formed to develop a framework for a criteria based approach for the validation and performance of untargeted feed/food/beverage methods. The framework must be tested and proven to work on a range of food authenticity applications in the food/feed sector. The proposal should aim to get an international consensus, if not agreement, by the end of the project and publish both the framework and tested models in high quality peer review scientific journals.

Industry and regulator input into the project is a requirement.

Maximum project duration of 24 months.

The requested European contribution should not exceed EUR 500,000

Only one project may be funded.

Expected Impact

The results of this project are expected to help deliver a harmonised approach to the validation and implementation of untargeted methods to both commercial and regulatory laboratories. This will be achieved by the presentation of a substantive 'white paper' to a range of accreditation and regulatory bodies.

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