



Ensuring the Integrity of the European food chain

**Topic 4: Rapid,  
on-site, cost-effective  
methods for feed/food fraud  
detection**



## **Topic 4: Rapid, on-site, cost-effective methods for feed/food fraud detection**

Analysis of large sample numbers for authenticity verification can result in high analysis costs making the methods unfit for purpose in deterring food fraud. Improved cost effective, rapid, on-site methods for assuring the integrity of feeds/foods/food ingredients are required. While there are numerous examples of such methodologies in the scientific literature few have made it into routine use. A wider look at technologies already employed in other industry sectors to detect fraud (e.g. pharmaceutical, alcohol and environmental) is required to determine their appropriateness to work in the feed/food industries in a manner that will deliver substantially improved quality assurance.

## Topic 4 (continued)

One (or more) technology platform(s) already shown to be fit for purpose in an industrial setting to detect product fraud should be selected. The development and validation of the platform to detect adulteration/mislabelling in one or more food commodities prone to fraud (***excluding*** olive oil and spirit drinks) should be undertaken. The ability of the methodology to be used by non-scientific personal (e.g. auditors, quality control staff) in an on-site environment as part of a rigorous trial to detect one of more recognised forms of product adulteration/mislabelling is crucial.

## **Topic 4 (continued)**

Meaningful industry participation in the project is a requirement.

Maximum project duration of 24 months.

The requested European contribution should not exceed EUR 750,000.

More than one project may be funded.

### **Expected Impact**

A tool that will deliver to a range of feed/food industries or auditing bodies a means of reducing fraud opportunities and will be ready for commercialisation within 6 – 12 months of the end of the project.

# [www.foodintegrity.eu](http://www.foodintegrity.eu)



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