

Detection of NGT products to promote innovation in Europe



48 months
20 partners, 10 countries
Budget: 6 mio EUR
Crop breeding, animal breeding

Objectives and activities

DETECTIVE is a collaborative research project supported by Horizon Europe. Its primary objective is to develop, validate, and implement innovative detection methods for plant and animal of new genomic techniques (NGTs) and their derivative products.

Recognising the shortcomings of existing analytical methods for detecting NGTs, DETECTIVE is enhancing its research and development efforts by also exploring alternative, non-technical approaches to identity preservation in the supply chain.

It will involve key stakeholders – official and private laboratories, farmers, breeders, and agri-food supply chain stakeholders – to jointly identify detection needs and ways to improve knowledge and capabilities for reliable detection across EU.

Therefore, DETECTIVE takes NGT detection, traceability, and authenticity beyond state-of-the-art in various ways and across several scientific and socio-economic disciplines contributing to the European Green Deal and Farm to Fork Strategy objectives.

Expected results and impacts

- 1** Develop reliable detection methods to address the sustainable farming and food systems challenges
- 2** Validate detection methods for enforcement authorities as well as for developers and agro-food operators
- 3** Empower enforcement authorities, developers and agri-food operators for the authenticity and traceability of products obtained through NGTs
- 4** Enable informed consumer choices by enhancing transparency and traceability across the food chains
- 5** Foster innovation in the food chain systems linked to NGTs

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 Funded by the European Union