

THE ROLE OF EFSA IN THE PRE-MARKET AUTHORISATION OF NOVEL FOODS IN THE EU

Ermolaos Ververis, PhD

Scientific Officer Nutrition & Food Innovation Unit







TO

Improve the EU food safety system

Help ensure a high level of consumer protection

Restore and maintain confidence in the EU food supply

Clearly separate risk assessment and risk management functions

European Food Safety Authority

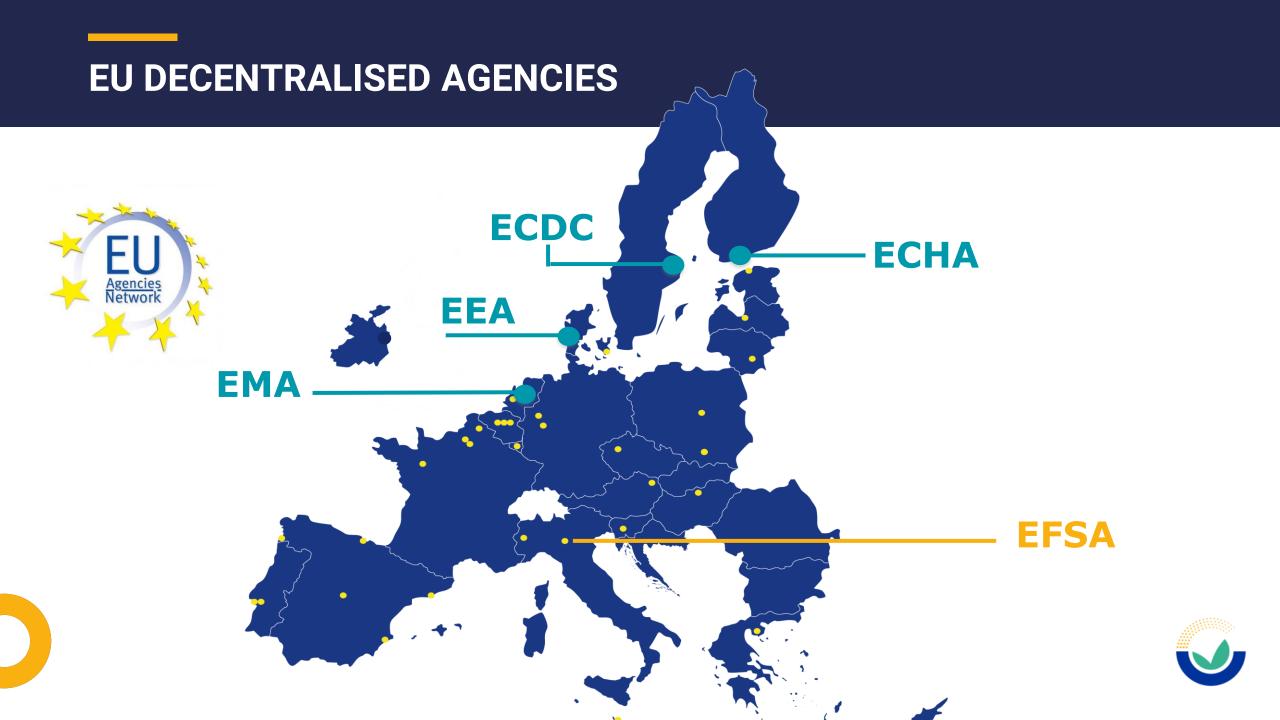


EFSA IS









KEEPING FOOD SAFE IN THE EU







WHAT IS A NOVEL FOOD IN THE EUROPEAN UNION?



Foods or ingredients that have not been used for human consumption to a significant degree in the EU before 15 May 1997

New production process



New or modified molecular structure



From microorganisms, fungi or algae



From plants or their parts



Vitamins and minerals from new process / nanomaterials



Of mineral origin



From animals or their parts



Cell or tissue cultures derived from the living



Engineered nanomaterials



Exclusive use in food supplements prior to May 1997





NOVEL FOOD AUTHORISATION PROCEDURE IN THE EU













Validate the dossier Mandate EFSA to carry out the risk assessment (NF only)

Carry out the risk
assessment (NF)
May request additional
information to the
applicant (NF) or raise
duly reasoned safety
objections (TF)

NF: 9 months TF: 4 months

> Decide on market authorisation Integration to the Union List of authorized novel foods



EFSA'S MISSION & RESPONSIBILITIES IN THE NOVEL FOOD AREA

WHAT EFSA DOES NOT DO

Develop food safety policies and legislation



Adopt regulations, authorise marketing of new products, define labelling



Enforce food safety legislation

WHAT EFSA DOES



Provide independent scientific advice and support for EU risk managers and policy makers on safety



Develop and provide up-to-date Guidance



Communicate independently and timely on risks associated with the food chain



Promote scientific cooperation



NOVEL FOODS REGULATION IN THE EU

Regulation (EC) No 258/97 (past) Application submitted to EU Member State(s) & European Commission Safety Assessment needed? NO YES Initial Assessment by Member State Reasoned objection(s Centralized procedure by Member State(s afety Assessment by EFSA needed? Safety Assessment by NO Decision on authorization





Risk assessment by Member States, European Commission and EFSA (ad hoc)

> Regulation (EC) No 258/97

Regulation (EU) 2015/2283

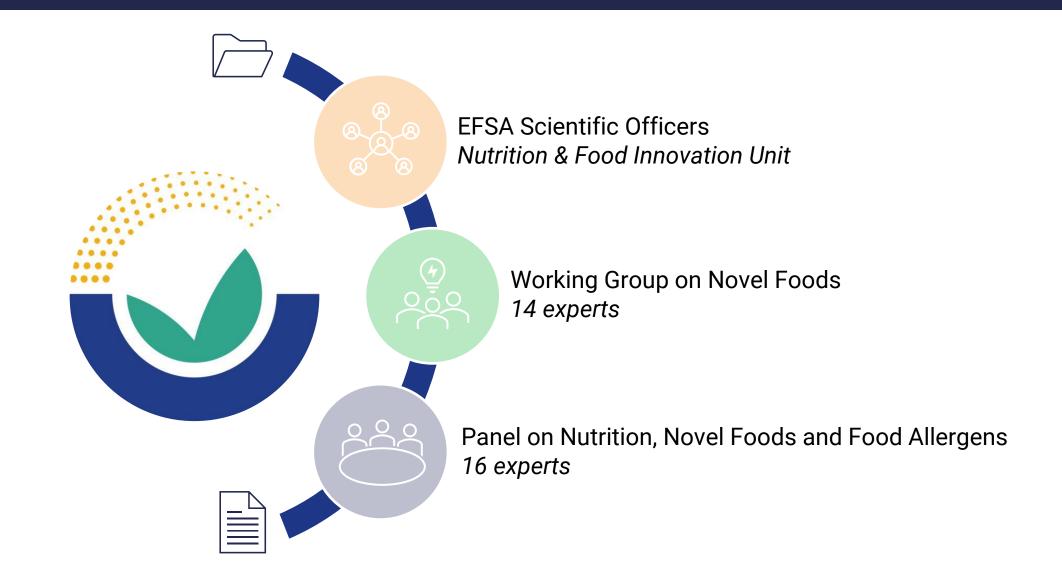
From January 2018, centralised risk assessment by EFSA



Application submitted to European Commission (Member States informed) Safety Assessment needed Assessment by EFSA Implementing act proposed by European Commission Decision on authorization (endorsed by Member States)

Update of Union List

RISK ASSESSMENT PROCESS



UPDATED EFSA NOVEL FOOD SCIENTIFIC GUIDANCE



- Identity of the novel food
- Production process
- Compositional data
- Specifications
- History of use of the novel food and its source
- Proposed uses and use levels, anticipated intake
- Absorption, distribution, metabolism, excretion
- Toxicological information
- Nutritional information
- Allergenicity
- Conclusions

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GUIDANCE

Guidance on the scientific requirements for an apauthorisation of a novel food in the context of Re 2015/2283

EFSA Panel on Nutrition, Novel Foods and Food Allergens (NDA) | Domini Torsten Bohn | Jacqueline Castenmiller | Stefaan de Henauw | Karen Ildi

Alexandre Maciuk | Inge Mangelsdorf | Harry J. McArdle | Androniki Naska | Kristina Pentieva |
Alfonso Siani | Frank Thies | Sophia Tsabouri | Marco Vinceti | Margarita Aguilera Gómez |
Francesco Cubadda | Thomas Frenzel | Marina Heinonen | Monika Neuhäuser-Berthold |
Carmen Peláez | Morten Poulsen | Miguel Prieto Maradona | Josef Rudolf Schlatter |

Alexandros Siskos | Henk van Loveren | Reinhard Ackerl | Océane Albert |

Domenico Azzollini | Antonio Fernández Dumont | Wolfgang Gelbmann | Andrea Germini |

Maria Glymenaki | Georges E. N. Kass | Eirini Kouloura | Marcello Laganaro |

Leonard Matijevic | Vânia Mendes | Estefanía Noriega Fernández | Irene Nuin Garciarena |

Gabriela Precup | Ruth Roldán Torres | Annamaria Rossi | Emanuela Turla | Silvia Valtueña Martinez | Ermolaos Ververis | Helle Katrine Knutsen

Correspondence: nif@efsa.europa.eu

Abstract

The European Commission requested EFSA to update the scientific guidance for the preparation of applications for authorisation of novel foods, previously developed following the adoption of Regulation (EU) 2015/2283 on novel foods. This guidance document provides advice on the scientific information needed to be submitted by the applicant towards demonstrating the safety of the novel food. Requirements pertain to the description of the novel food, production process, compositional data, specifications, proposed uses and use levels and anticipated intake of the novel food. Furthermore, information needed in sections on the history of use of the novel food and/or its source, absorption, distribution, metabolism, excretion, toxicological information, nutritional information and allergenicity is also described. The applicant should integrate and interpret the data presented in the different sections to provide their overall considerations on how the information supports the safety of the novel food under the proposed conditions of use. Where potential health hazards have been identified, they are to be discussed in relation to the anticipated intake of the novel food and the proposed target populations. On the basis of the information provided, EFSA will assess the safety of the novel food under the proposed conditions of use

EYWORDS

authorisation, EFSA guidance, food innovation, food safety, hazard characterisation, hazard identification, novel foods, risk assessment





FUNDAMENTAL PRINCIPLES



The novel food shall be safe under the proposed conditions of use



The novel food cannot be nutritionally disadvantageous



The efficacy of the novel food is not assessed



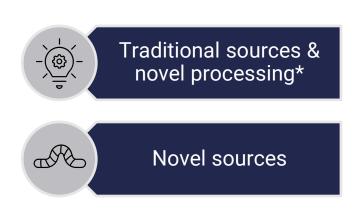
NOVEL FOOD APPLICATIONS UNDER RISK ASSESSMENT



TRENDS IN THE NOVEL FOODS AREA



NOVEL PROTEINS AND THEIR SOURCES

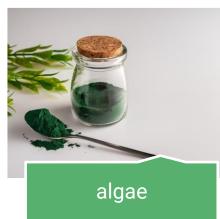














EFSA NOVEL FOOD RISK ASSESSMENT & UPDATED GUIDANCE

- EFSA's Novel Food Scientific Guidance: advice for applicants on preparing novel food application dossiers, with flexibility to tailor to specific products.
- Guidance Update highlights: reflect recent regulatory changes, advances in food science, and EFSA's experience in novel food risk assessment.
- Risk assessment backbone: compositional analysis: includes nutrient profile, microbiological aspects, contaminants, and substances of concern.
- Impact of EFSA's Guidance & Safety Assessment: supports food chain resilience, diversity, and safety by providing science-based advice for potential EU market approvals.
- "Safe by design": aligning innovation with EFSA's data requirements, early integration of safety into product development, simplifying/speeding-up pre-market authorization



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