



EU FOOD SAFETY FORUM

Supporting the Food Safety Systems of the future

2-3.12.2025

Rome







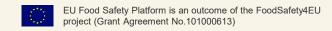
2-3.12.2025

Brussels

Baptiste Leroy – Purple4life









- **Bacterial strain** selection
- Feedstock and metabolism
- Optimisation of Coenzyme Q10/carotenoids production
- · Large-scale production for axes 2 and 3







Imperial College London, UK

Life cycle assessment

(LCA)



EU Food Safety Forum

Session 2

Purple4Life

December 2025 Baptiste Leroy





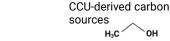


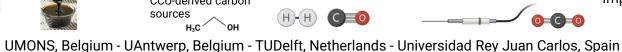
UCLouvain.

Belgium

Axis 2 -

Human Health





Coenzyme Q10



Carotenoids





Axis 3 -





Bioavailability

Fish flesh colour

Fish health

Consiglio Nazionale delle Ricerche (CNR), Italy

Safety assessment

- Bioaccessibility
- Bioavailability
- Short-term consumption study
- Chronic exposure



Comenius University in Bratislava, Slovakia



UCLouvain, Belgium



University, Spain

Societal acceptance (s-LCA)

Imperial College London, UK

Axis 4 -Societal impact

Coenzyme Q10



Imperial College London, UK



Fraunhofer Institute, Germany

Nofima.

Norway







Communication



Dissemination and Exploitation

SPI - Sociedade Portuguesa de Inovação, Portugal

Regulatory aspects



(∽) PurpleTech

Universidad Rey Juan Carlos, Spain

Consiglio Nazionale delle Ricerche (CNR), Italy



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Thank you!





