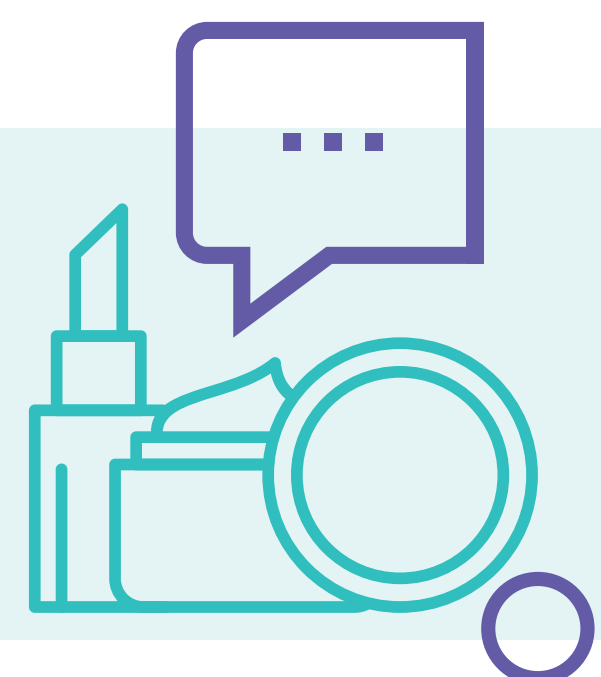


Cosmetics Europe's key achievements in advancing Non - Animal Methods (NAMs)



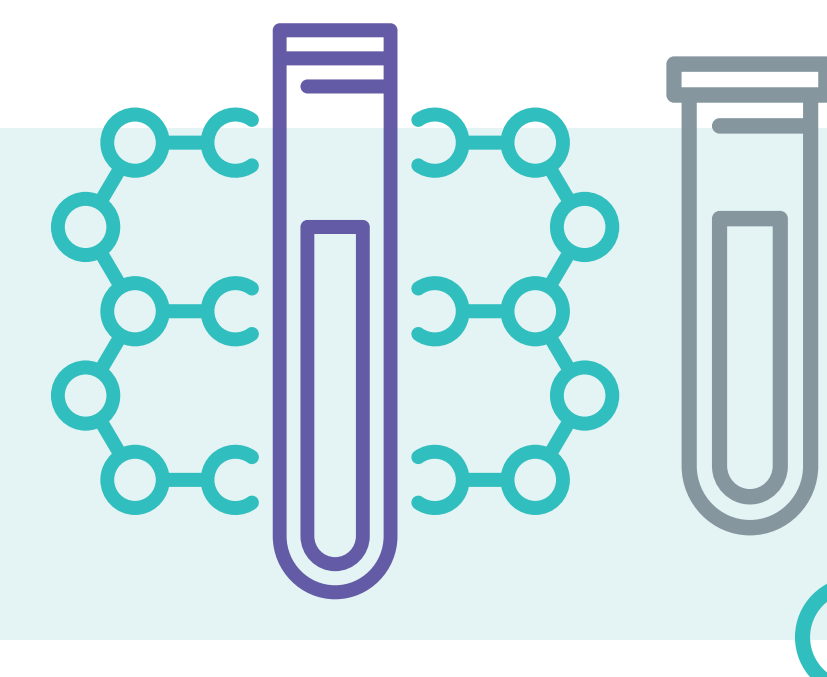
COSMETICS EUROPE, THE VOICE OF THE COSMETICS INDUSTRY SINCE 1962



Cosmetics Europe represents cosmetics and personal care manufacturers, as well as associations advocating for our industry at national level, right across Europe.



FOR OVER 30 YEARS, THE COSMETICS SECTOR HAS LED THE ADVANCEMENT OF NAMs



Ensuring the safety of cosmetic products and promoting the development and acceptance of alternatives to animal testing are key priorities for our sector. The industry's dedication to upholding the highest safety standards is reflected in the continuous refinement of testing and assessment capabilities for all our cosmetic product ingredients.

THE LONG-RANGE SCIENCE STRATEGY (LRSS): RESEARCH AND SCIENCE PROGRAMME ON NAMs (2016 -2022)



The LRSS programme drove our specific research programme on alternatives to animal testing. It was founded on multidisciplinary partnerships between cosmetics companies and other groups that have a deep interest in NAMs and Next Generation Risk Assessment (NGRA), including the international regulatory community, validating agencies, academia, research institutes and industry partners.



THE GOAL OF THE LRSS PROGRAMME

TO ENABLE ANIMAL-FREE SAFETY ASSESSMENTS OF COSMETIC INGREDIENTS

3 PILLARS

Filling critical science gaps related to specific endpoints of toxicity and the use of NAMs to understand biological mechanisms of adverse effects caused by a substance to which the body or environment is exposed to.



Areas in which The LRSS programme scientists evaluated the safety of cosmetic ingredients using NAMs:

- Skin Sensitization
- Eye Irritation and Severe Eye Damage
- Genotoxicity/ Mutagenicity
- Toxicokinetics (absorption, distribution, metabolism and elimination (ADME))
- Toxicodynamics
- Dermal and Inhalation Exposure
- Environment

Implementation of NAMs in NGRAs, to show, through case studies, that safety assessments are possible on multiple toxicity endpoints, especially systemic toxicity.



- Case studies have been instrumental in the LRSS program, guiding the practical implementation of scientific workflows
- These case studies demonstrated the feasibility of safety assessment solely relying on non-animal data, integrating findings from *in silico* and *in vitro* NAMs
- LRSS led ~20 case studies to highlight the practical application of NAMs in tiered NGRAs

Development and validation of NAMs as well as confidence building in the NGRA framework to advocate uptake by industry and gain regulatory acceptance.



- Several scientific contributions from Cosmetics Europe were included in the Scientific Committee on Consumer Safety (SCCS) Notes of Guidance (NoG) for testing the safety of ingredients
- Only within the LRSS program, Cosmetics Europe delivered >15 OECD documents

Outside LRSS, Cosmetics Europe submitted the 1st regulatory NGRA dossier to evaluate the systemic safety of Benzophenone- 4 (Under evaluation by the SCCS)

COLLABORATION, PARTNERSHIPS AND THE FUTURE



- Cosmetics Europe continuously engages in partnerships with organizations (EPAA, ICCR) and collaborations (RiskHunter, ONTOX, PARC, VHP4Safety) with similar initiatives and goals.
- Cosmetics Europe played a key role in the establishment of the International Collaboration on Cosmetics Safety (ICCS), a global initiative focused on advancing the adoption of animal-free assessments of cosmetics, and their ingredients, for human health and environmental safety. Since its establishment, Cosmetics Europe has been actively involved in various projects of the organisation in its capacity as an ICCS member.

