Safety assessment of topically exposed cosmetic ingredients

lessons learned

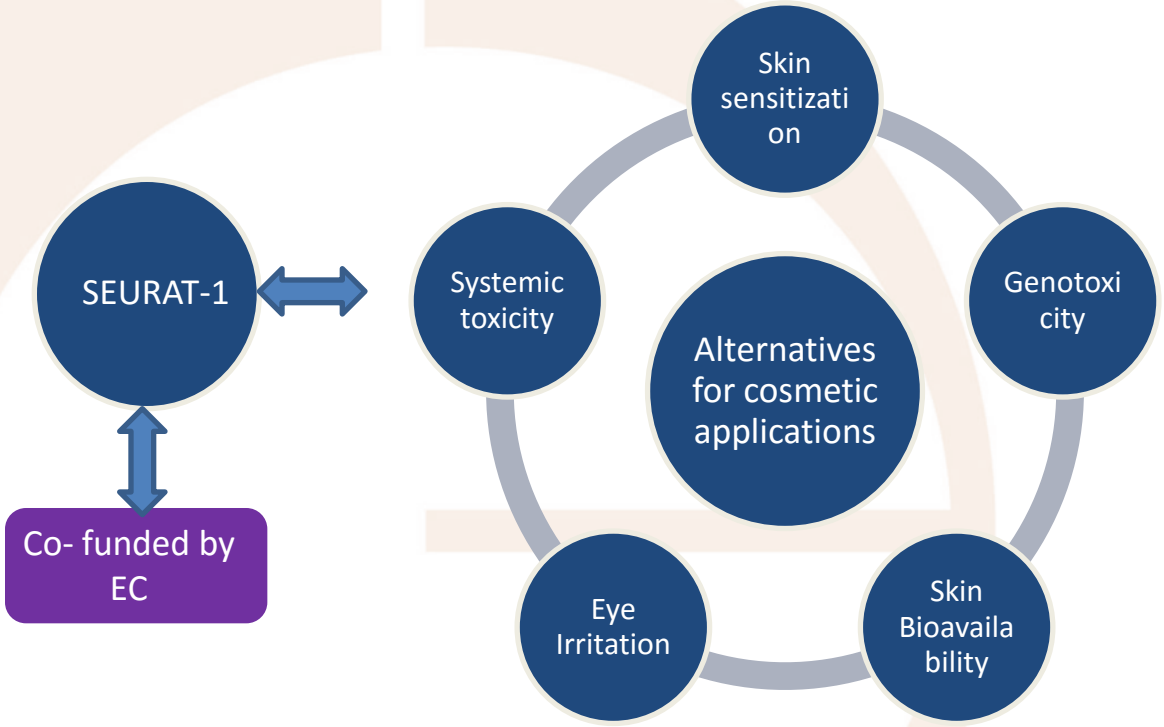
Bas Blaauboer

Ban on Animal Testing

The EU legislation provides the regulatory framework for the phasing out of animal testing for cosmetics purposes.

Since 2013 the cosmetics industry can rely only on alternative methods for the safety assessment of products & ingredients

Cosmetics Europe Research: Long Standing Commitment to Alternative Methods



Topics highlighted in this session:

Skin Bioavailability:

-Dermal bioavailability data,

-*In silico* model

Skin sensitization:

-Testing strategy evaluation

- Case study

Genotoxicity:

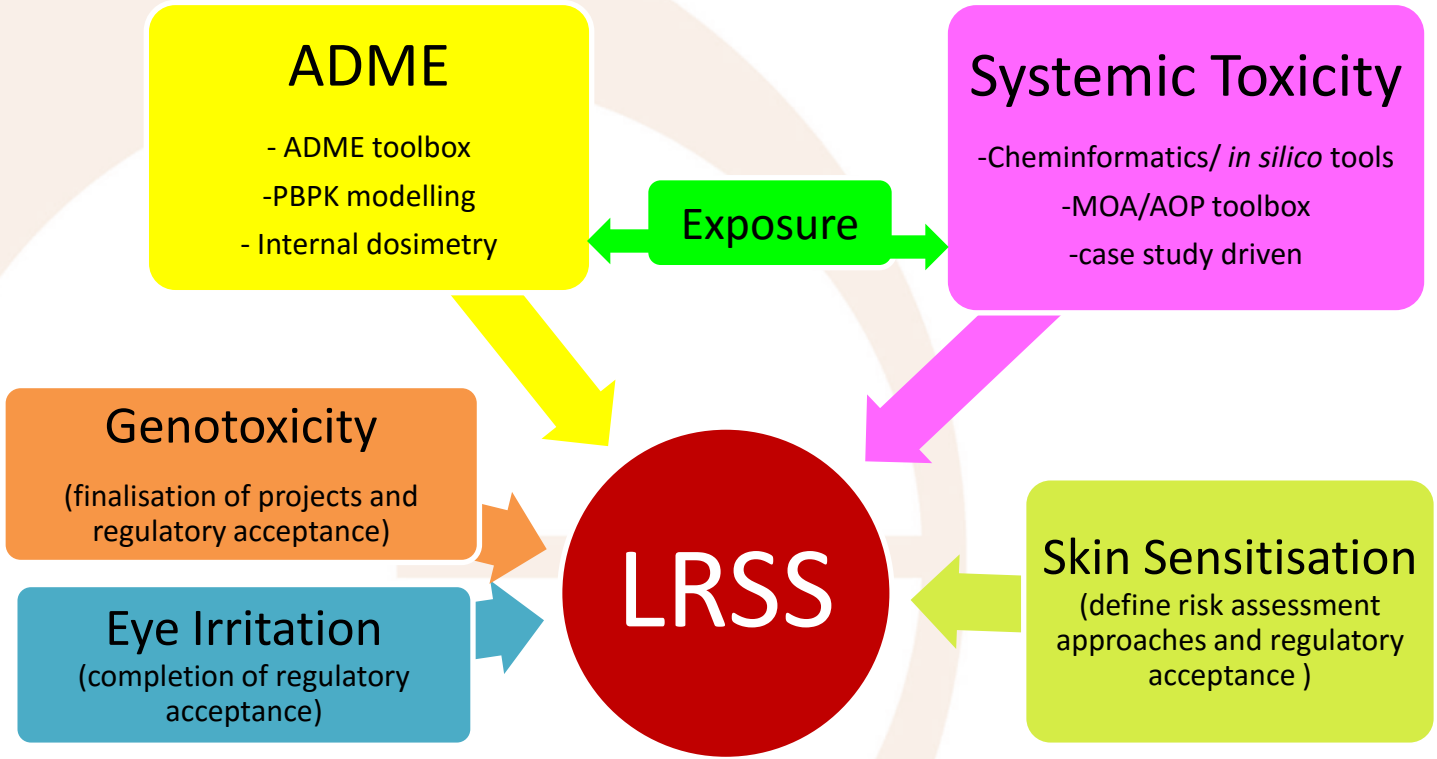
- 3D Skin Genotox Assays & Metabolism

Regulatory perspective:

-Acceptance of novel approaches

-IATAs

CE Research 2016-2020: Long Range Science Strategy



Session outline

1. **Introduction**, B. Blaauboer; Institute for Risk Assessment Sciences (IRAS), Utrecht University, Netherlands
2. **Generation of dermal bioavailability data using in vitro studies for local dermal concentrations and in silico models**, A. Schepky; Beiersdorf AG, Hamburg, Germany
3. **Skin penetration in silico modeling – use of in vitro data to improve Kasting model**, G. Kasting; University of Cincinnati, Cincinnati, USA

4. **Skin sensitization testing strategy evaluation**, N. Kleinstreuer; Integrated Laboratory Systems, Inc., Research Triangle Park, USA

5. **Method evaluation process and outcome for skin sensitization**, N. Alépée; L'Oréal Research & Innovation, Aulnay Sous Bois, France

6. **Use of bioavailability data to interpret 3D skin genotoxicity assay outcomes**, S. Pfuhler; The Procter & Gamble Co, Cincinnati, USA

7. **Gaining acceptance of predictive approaches to the safety assessment of cosmetic ingredients**, M. Whelan; EURL-ECVAM, JRC, European Commission, Ispra, Italy