

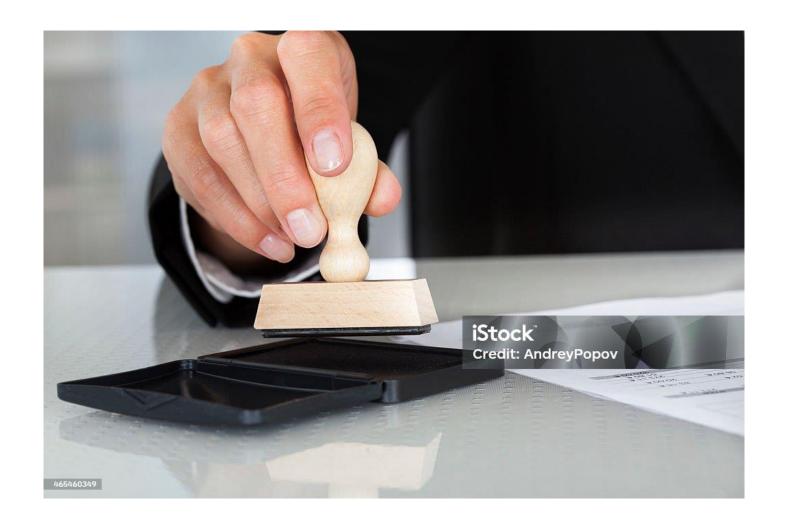
Session 4: Enhancing the translation of nonanimal approachess into regulation

Introduction

Katrin Schütte, European Commission

Workshop on the Commission roadmap towards phasing out animal testing for chemical safety assessments, 11-12 December 2023

We all agree the translation is too slow – but what's needed to accept a method for regulatory use?





Session topics

- Part 1 what is validation and what do we need from it?
- Part 2 how can validation be accelerated?
 - how can operational and financial needs of validation be met?
- Part 3 what other factors do we need to address in addition to achieve regulatory acceptance faster?



Validation and Regulatory Acceptance

Validation -

a scientifically anchored process that serves to demonstrate the reliability and relevance of a method for a particular purpose, building trust and confidence, within a regulatory context of use.

Regulatory Acceptance -

uptake of a method and reliance on data obtained from it in different decision-making contexts



From validation to acceptance

Broad acceptance among regulators



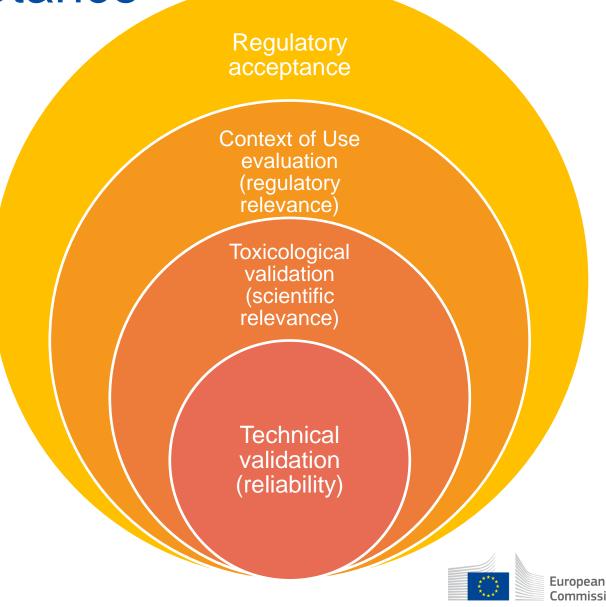
Fitness for purpose. Building trust and confidence, within a regulatory context of use



Relevance for a particular scientific purpose



Method is sufficiently robust and reproducible = reliable



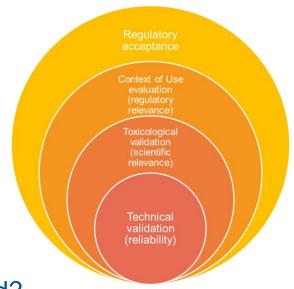
Different needs from validation depending on NAM use:

- for initial screening and priority setting
- for (additional) mechanistic understanding in a testing strategy
- for full replacement of existing in vivo approaches
- as a component in a defined approach
- for risk assessment of substances within known (limited) exposure
- mutual acceptance of data in an international context (MAD)
- for hazard assessment and comparison to classification criteria



A lengthy process today – how can we accelerate?

What outcomes are needed from the 4 parts of the process?



- Technical validation (reliability): what degree of reproducibility do we need?
- Toxicological validation (scientific relevance): what are key requirements?
 what reference data do we compare to?
 how many reference substances are needed?
- Context of Use evaluation (regulatory relevance): how is the NAM used in decision making?
 what additional evidence is used?
- Regulatory acceptance: what really is the key driver for global regulators to accept a method?



What served us well so far?

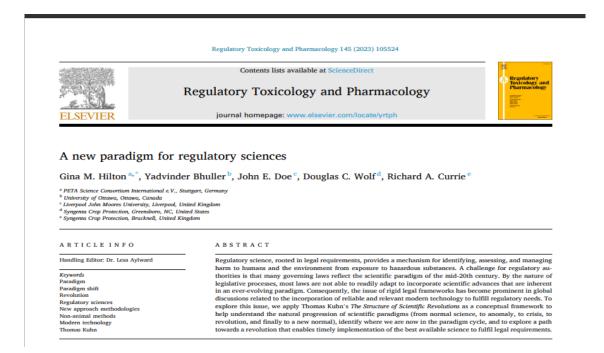
Quality data obtained from OECD-accepted methods, carried out under GLP:

- are considered reliable, comparable and re-usable
- allow mutual acceptance of data (MAD) between different EU legislations and at international level (avoiding duplicate testing)
- lead to legal certainty for industry as well as demonstrability of compliance and enforcement



Do we need a paradigm shift? How do we achieve it?

"The scientific community is currently in the 'crisis' phase of the paradigm cycle – caught in a paradox of modern science that can fulfill regulatory requirements coupled with outdated legal mandates not reflecting the current state of knowledge and technology."





Milestones on the road to faster regulatory acceptance:

Need to define them together!

1.

2.

3.

4.

5.

.



Thank you



© European Union 2023

Unless otherwise noted the reuse of this presentation is authorised under the <u>CC BY 4.0</u> license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

Slide xx: element concerned, source: e.g. Fotolia.com; Slide xx: element concerned, source: e.g. iStock.com

