

# New Approach Methodologies (NAMs) Activities at the JRC

Elisabet Berggren

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Joint Research Centre



### The Joint Research Centre Mission

We are the science and knowledge service of the Commission our mission is to support EU policies with independent evidence throughout the whole policy cycle.





### Unit F3: Chemicals Safety & Alternative Methods

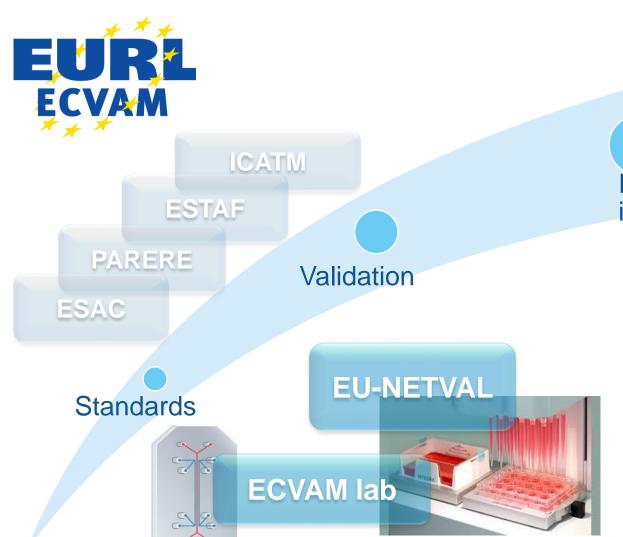


- research & evaluation of non-animal approaches
- validation of alternative methods
- dissemination of information, knowledge sharing & promotion of alternative methods and the Three Rs





#### Chemical assessment methodologies





















https://ec.europa.eu/jrc/en/science-update/innovation-collaboration-education-drive-progress-alternatives-animal-testing

## **EURL ECVAM Status Report**

on the Development, Validation and Regulatory Acceptance of Alternative Methods and Approaches (2019)

Annex 1 — Summary status of the adoption of Test Guidelines based on *in vitro* methods in the OECD TG programme

Table 1 summarises the status of adoption of OECD test guidelines based on in vitro methods. It should be noted that beside TGs, also Guidance Documents and new projects on alternative methods were respectively adopted and included in the OECD Work programme. For additional information, please consult the OECD website of the Test Guidelines Programme: https://www.oecd.org/chemicalsafety/testing/oecd-guidelines-testing-chemicals-related-documents.htm

Table 1. Status of adoption of OECO Test Guidelines based on in vitro methods



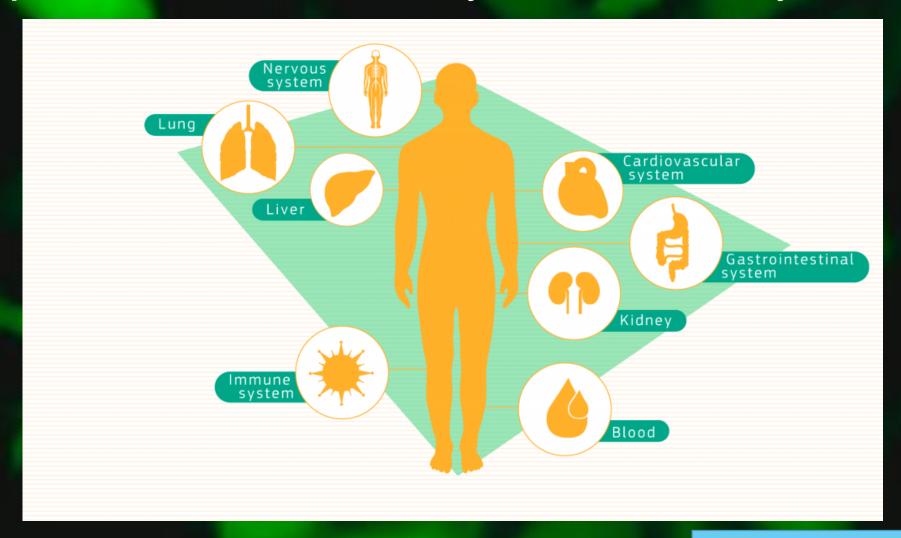
https://tsar.jrc.ec.europa.eu/

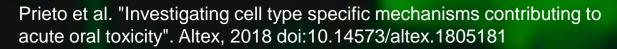
#### JOINT RESEARCH CENTRE



Tracking System for Alternative methods towards Regulatory acceptance (TSAR)

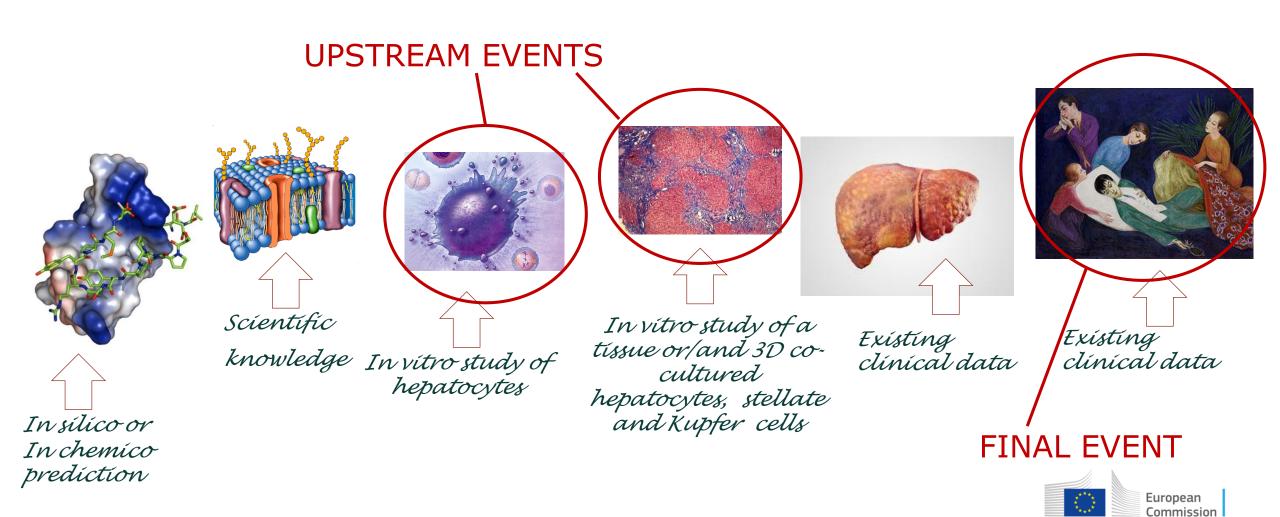
### Replacement in acute systemic toxicity testing



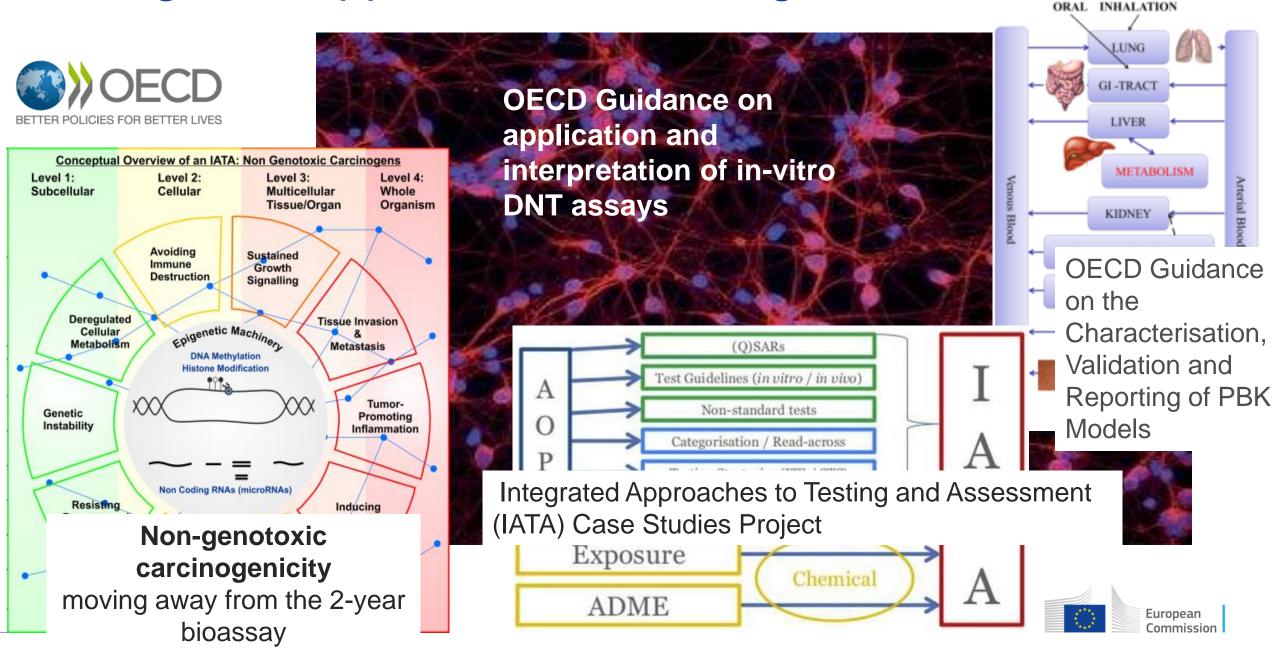




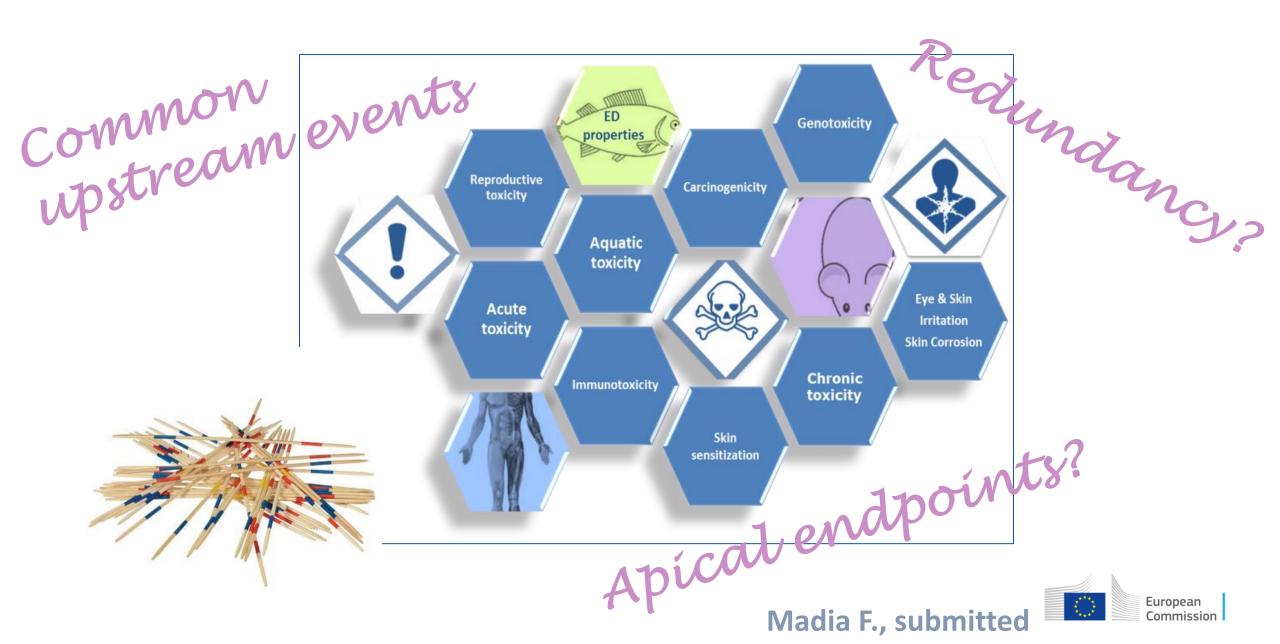
#### **AOP** upstream events leading to systemic toxicity



Integrated Approaches to Testing and Assessment



#### **Cross-endpoint evaluation**



## Thank you



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