

Roadmap on phasing out animal testing (NAMs) – towards a higher level of protection from chemicals?

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Regulation of pesticides in Europe:

- Regulation 1107/2009 on PPPs aims to ensure **a high level of protection** – humans, animals and the environment.
  - Pesticides considered hazardous must be banned (CMRs, EDCs, POPs, PBTs, groundwater contamination) or severely restricted (neurotoxicity, unacceptable effects on the environment etc).
- Pesticides are designed to be toxic to living organisms and can be toxic to other animals & humans and the environment
  - Their thorough assessment is necessary to ensure protection
  - Not all toxicity aspects are assessed (e.g. Parkinson's disease, metabolic syndromes, microbiome, impact on biodiversity etc)
  - We need to develop reliable & validated test methods to predict all types of toxicity

Concerns regarding NAMs

Misuse or premature use of NAMs:

- To predict safety, even when in vivo experiments indicate adversity (e.g. US EPA lowering health-based values for organophosphates; flufenacet and DNT)
- Non-validation of NAMs against in vivo tests and/or human data – NAMs must be truly effective in predicting toxicity
- Override the precautionary principle & hazard-based approach

NAMs as an opportunity to further improve health and environmental protection

- Increase the level of protection
- (Pillar I) accelerate the development, **validation**, qualification, standardisation and application of non-animal approaches
- Prioritisation and faster market removal/restrictions of pesticides/biocides that may cause adverse effects
- Expertise and transparency in the process

For further details see: EDC-Free Statement to the Commission roadmap

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LET'S STOP HORMONE DISRUPTORS

Thank you!

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