

Highlights from 93rd SC Plenary (April 2019)

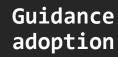
Simon More

Chair of the EFSA Scientific Committee



Trusted science for safe food









ADOPTED: date

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Guidance on the use of the Threshold of Toxicological Concern approach in food safety assessment

EFSA Scientific Committee

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Screening and prioritisation



A screening and prioritisation tool for the safety assessment of chemicals when:

- the chemical structure of the substance is known,
- there is limited chemical-specific toxicity data, and
- the human oral exposure is relatively low.

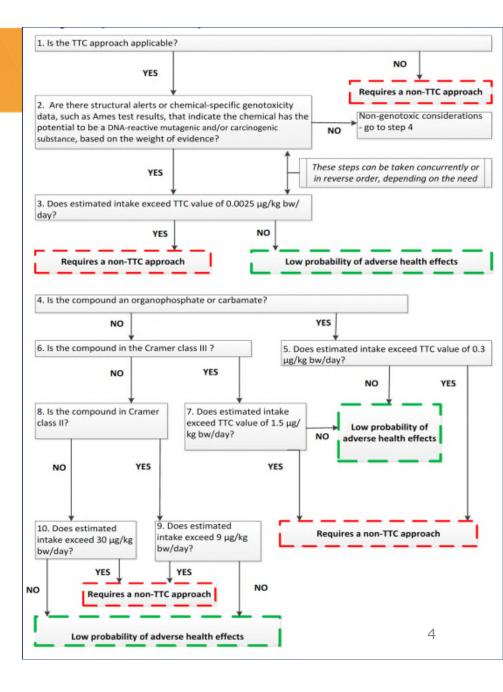
The TTC approach is not appropriate under some circumstances.

The approach is pragmatic, simple to implement and based on a decision tree approach.

A decision-tree

The Guidance provides a step-wise approach based on a decision tree where the probability of adverse health effect of substance of interest can be assessed based on:

- its chemical class, and
- the threshold of the corresponding exposure.



Relevant sectors



- Flavourings
- Pharmacologically active substances present in food of animal origin
- Impurities, metabolites and degradation products of food additives
- Development of criteria for recycled PET for use as FCM
- Evaluation of the toxicity of some metabolites and degradation products of plant protection products in the context of residue definition for risk assessment

EP mandate on managed honey bees



The ENVI committee, therefore, considers it opportune for the Parliament to request that EFSA deliver a scientific opinion on the science behind the development of an integrated holistic approach for the risk assessment of multiple stressors in managed honey bees (*Apis mellifera*). The following issues have been identified for the development of a scientific opinion on the risk assessment of multiple stressors from both the in-hive environment and the surrounding landscape:

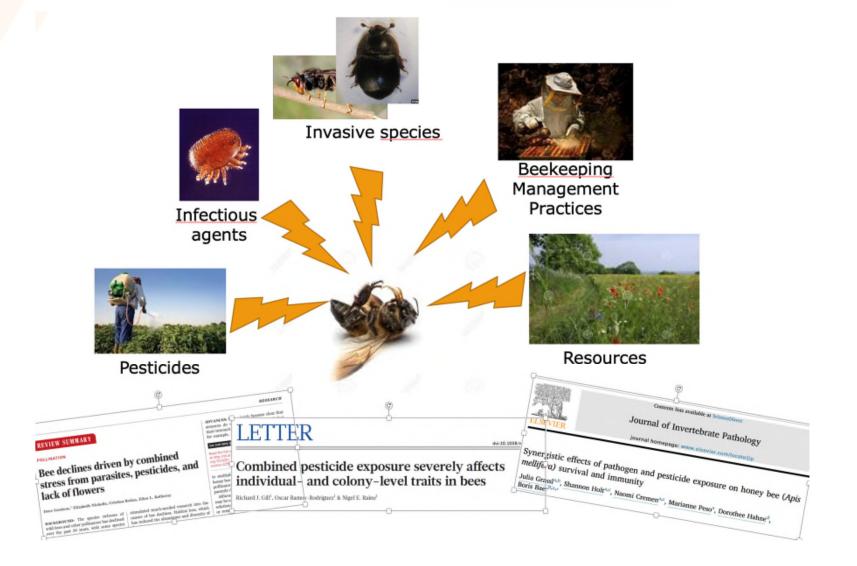


- The development of a methodology to take into account not only cumulative and synergistic
 effects of plant protection products but also includes issues related to bees' genetic variety,
 bee pathogens, bee management practices and the colony environment;
- The assessment of acute and chronic effects of multiple stressors on honey bees including colony survival and sub lethal effects;
- The work being developed by stakeholders to achieve harmonised data collection and sharing on bee health in EU and by doing so, support the EU Bee Partnership initiative by providing guidance for harmonised data collection and evidence-based risk assessments;
- The work conducted by EFSA under its project MUST-B that integrates the work being developed in EFSA's various panels.

With thanks to Agnès Rortais

A multifactorial problem





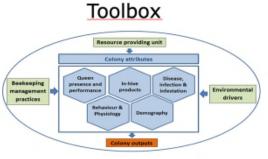
ApisRAM: the model

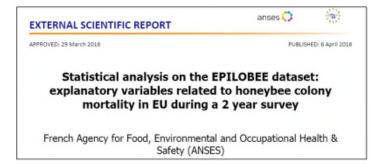




Field data collection for ApisRAM













2017: Call for interest 2018: start of the DC

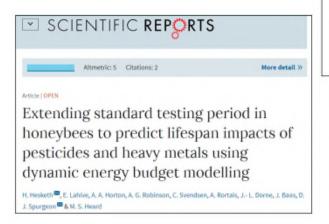


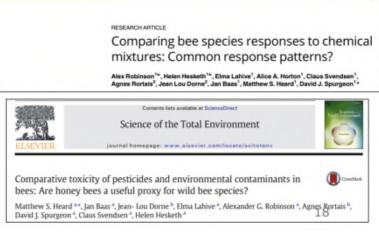
Consider multiple chemicals





PLOS ONE





Engage European Commission







Support from EC (H2020)

- * SFS-SFS-16-2017 on toxicological and omics data
 - ❖ POSHBEE
- * SFS-07-2018 on Bee Health Status Index and knowledge platform
 - BGOOD

Engage stakeholders











EVENT REPORT

APPROVED: 20 September 2017 doi:10.2903/sp.efsa.2017.EN-1299

Collecting and sharing data on bee health: towards a European Bee Partnership

European Food Safety Authority and European Farmers and European Agri-Cooperatives, European Professional Beekeepers Association, BeeLife the European Beekeeping Coordination and the European Crop Protection Association







EU Bee Partnership Discussion group





European Parliament