

75th Advisory Forum meeting Virtual meeting, 1-2 April 2020

EFSA activities on environmental risk assessment (ERA)

→Thematic discussion: Changing context for ERA

Yann Devos, Domenica Auteri and Guilhem de Seze

Senior Scientific Officer (Ecology)



Trusted science for safe food

Today's goals









EFSA's ERA portfolio (snapshot)

EFSA's remit



FARM PACKAGING/ PROCESSING DISTRIBUTION 0-0 GROCERY **RETAIL**/ GROCERY TABLE HHH

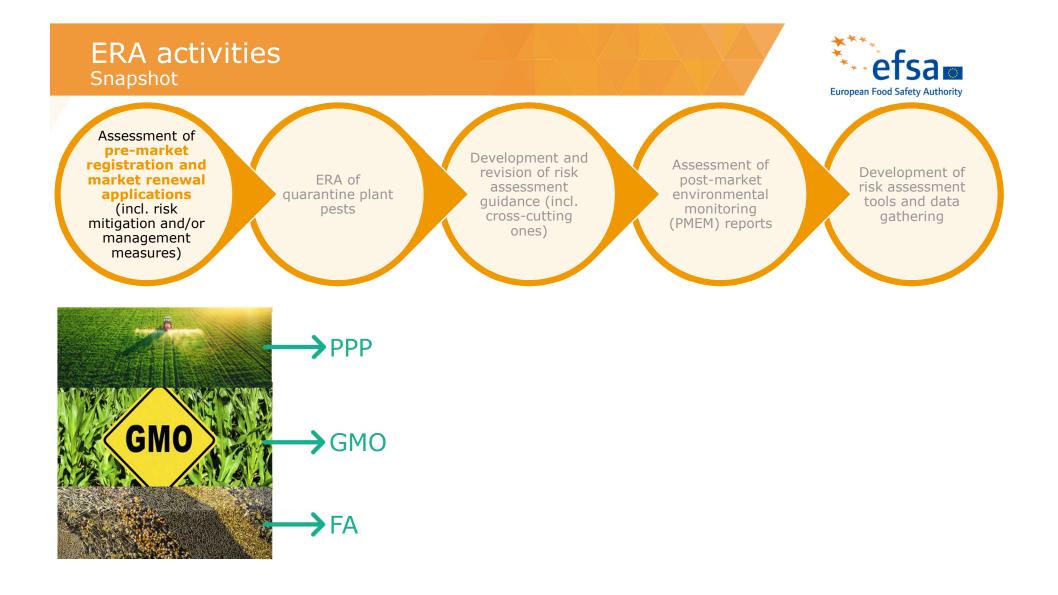
Stressors (agricultural food/feed production) Animal diseases (zoonotic/non-zoonotic) **Biological hazards** Botanicals Chemical mixtures Contact materials Contaminants Diet (food/feed) Emerging risks Endocrine active substances Enzymes Flavourings Feed additives (FA) Genetically modified organisms (GMO) Nanomaterials Novel foods/feeds Plant protection products (**PPP**) (active substances) Processing aids Quarantine plant pests (**QPP**) . . .

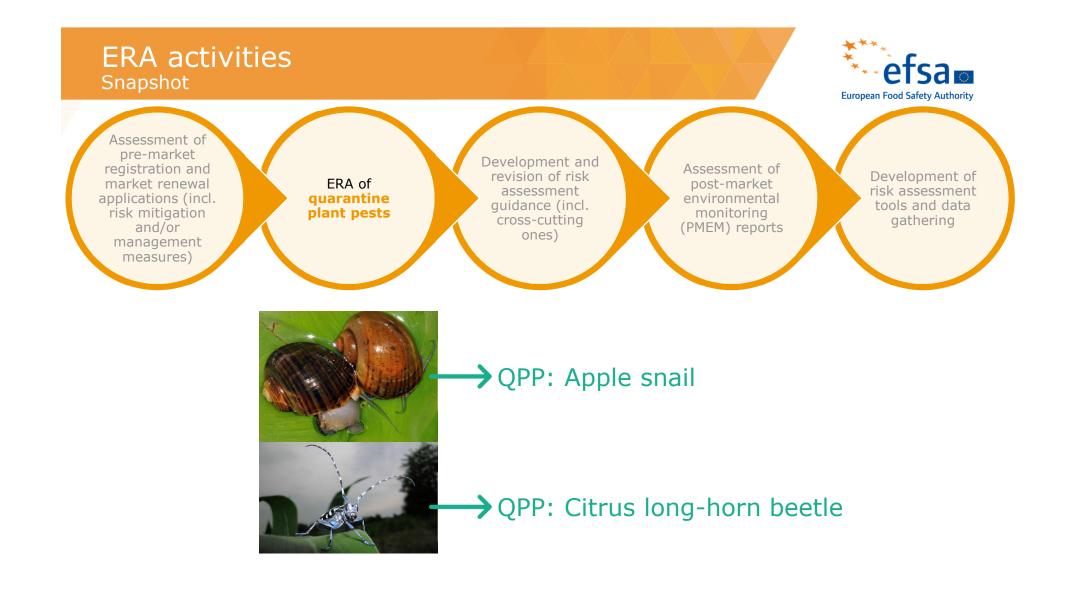
Protection goals

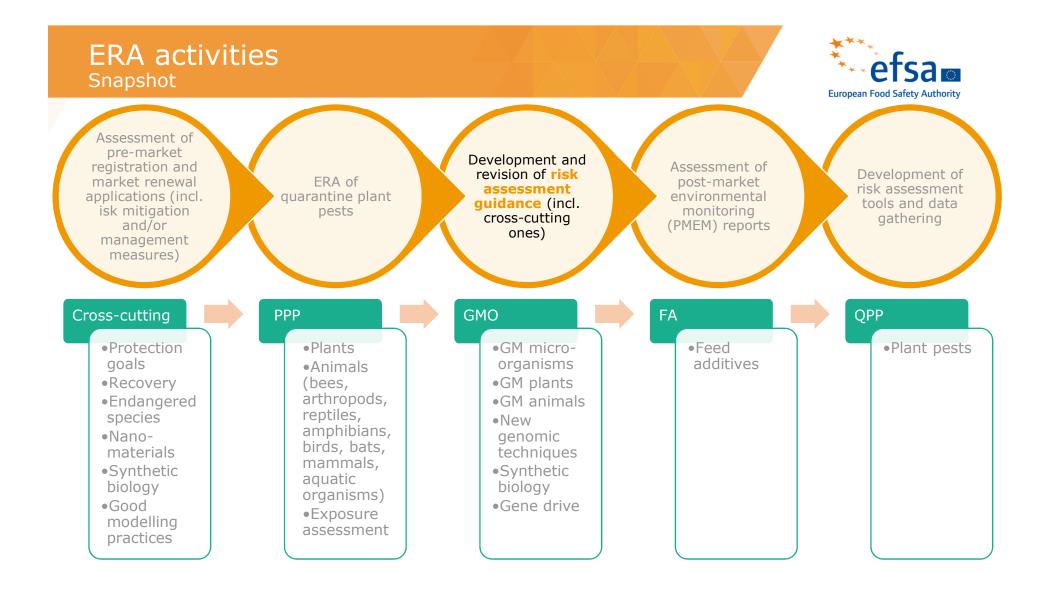
Human health Animal health Animal welfare Plant health Environment

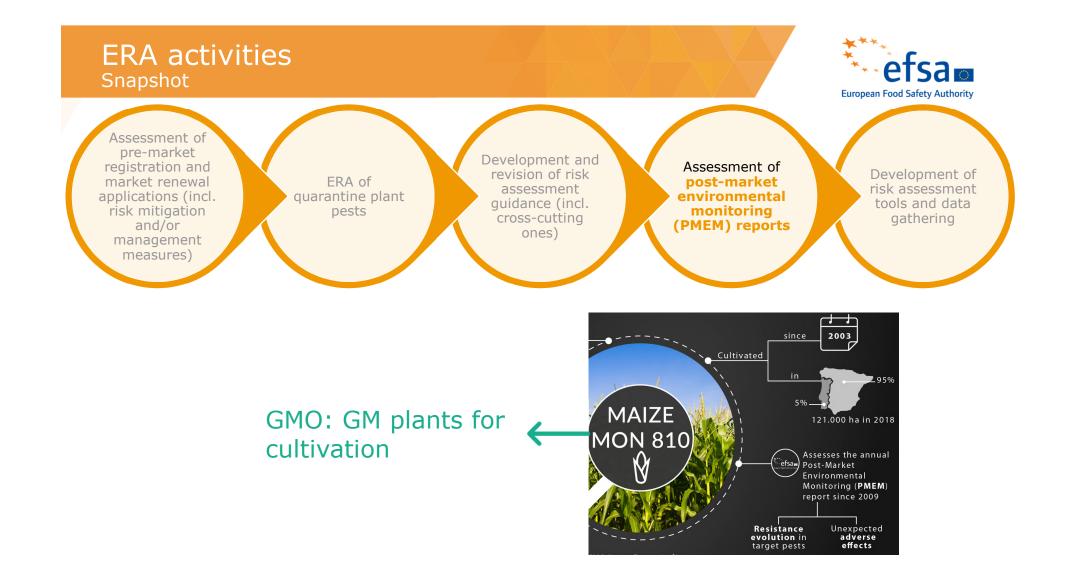
(biodiversity, ecosystems, ecosystem services, ...)

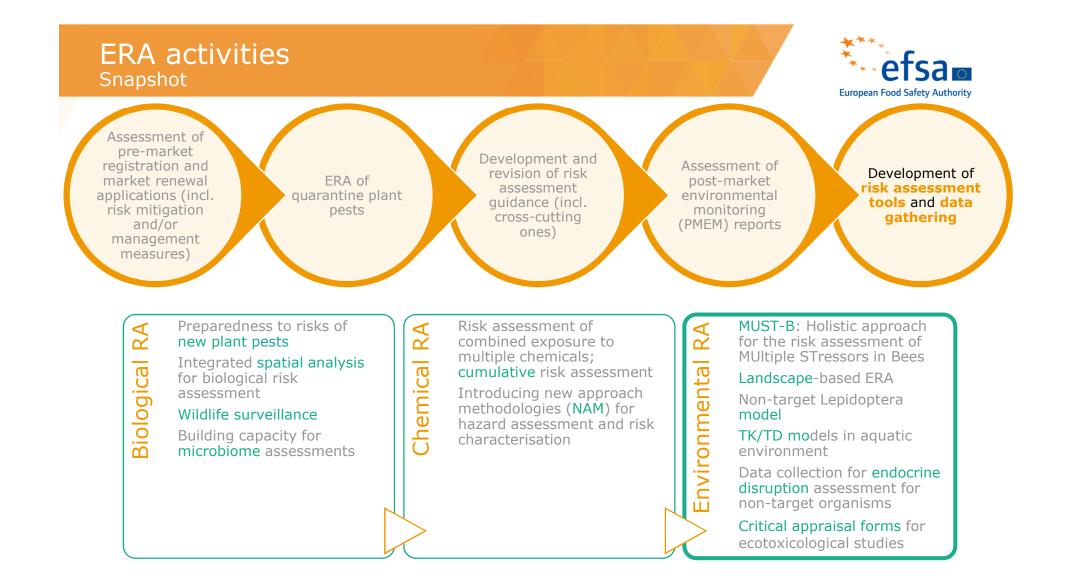
...















Changing context for ERA

Drivers of change Examples



- Science
 - Scientific advances (incl. innovation)
 - Deliver new tools, methods and data relevant for regulatory science

Scientific analyses

- Scientific Advice Mechanism [SAM] (2018)
 - EU authorisation processes of PPP From a scientific point of view
- European Environment Agency [EEA] (2019)
 - The European environment State and outlook (2020)
 - "... alarming rate of biodiversity loss, increasing impacts of climate change and the overconsumption of natural resources"
- Harvey et al. (2020) Nature Ecology & Evolution
 - Roadmap for insect conservation and recovery
- Science (2020)
 - A cleaner, greener future for chemicals

Drivers of change Examples



Wicked environmental problems

• Environmental issues become increasingly complex

Societal demands

- Citizens of Europe demand more sustainable food systems
- Children strike over climate change

• EU policy context

- Council conclusions "Towards a Sustainable Chemicals Policy Strategy"
- Common Agricultural Policy for 2021-2027
- Biodiversity Strategy for 2030
- New Green Deal
 - Promote sustainable food through the new "Farm to Fork" strategy; Protect biodiversity; Strive to zero pollution; Act on climate change; Move to a circular economy

Risk assessment science in regulatory context





Possible strategic goals for ERA Ongoing activity/work in progress

• EFSA 2027 Strategy development

- Preliminary considerations on "Future of ERA"
 - To be framed by new Green Deal goals and "Farm to Fork" strategy

all relevant regulations

Across



nder current sector-specific regulations

Under

Consolidate & innovate

- By revising current methods
- By integrating new relevant tools, methods, data and expertise
- By sharing data
- By collaborating between relevant actors and key stakeholders

Foster systems-based approaches & their interoperability

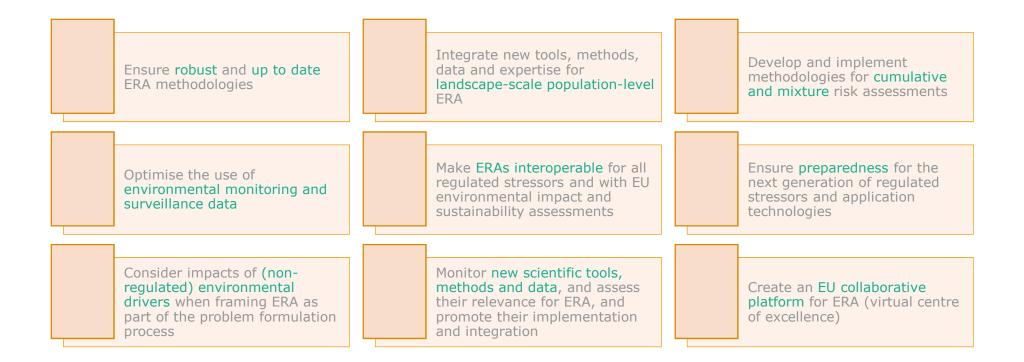
- By integrating
 - Sector-specific ERAs across multiple stressors, across spatial and temporal scales, across policies and regulatory frames, and across regional, national and EU agencies
 - Pre- and post-registration data (incl. environmental monitoring and surveillance data)



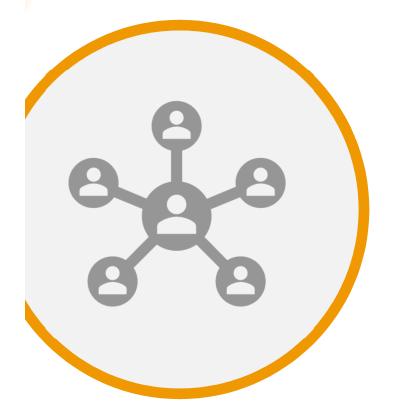
European Food Safety Authority

Possible avenues to advance ERA Short, medium and long term perspective









Collaborative initiatives



• DG SANTE initiative on setting specific protection goals

• ERA of PPP

- Series of workshops
 - June 2019
 - National authorities
 - September 2019
 - Stakeholders (farmer associations, applicants, academia, industry, retailers and nongovernmental organisations)
 - February 2020
 - National authorities and stakeholders

• Between EU Member States

- Tasking Grant Framework
 - e.g. for PPP: EFSA-ANSES, EFSA-BfR and EFSA-BPI



• Between EU Agencies

- ECHA-EFSA
 - Hazard identification of endocrine disruptors (PPP and biocides) [with technical support from JRC]
 - ERA for bees (PPP and biocides)
 - Impact of water treatments on residues of substances in water used as drinking water

• EEA-EFSA

 Identification of relevant climate change scenarios for CLEFSA project (climate change as driver of emerging risks for food/feed safety, plant and animal health, and nutritional quality)

• EMA-EFSA

• ERA of feed additives (i.e. coccidiostats)

• EU bee partnership discussion group

- Trigger
 - MEP request to ensure sustainable pollination and beekeeping in EU (at 2017 bee week event on data collection & sharing)
- Scope
 - Bee health assessment (honeybees first and then other bees)
- Goals
 - Improve data collection, management and sharing (harmonisation/standardisation)
 - Develop tools for the assessment of bee health (holistic manner)
 - Engage with stakeholders
- Partners
 - Beekeeper associations, conservation organisations, farmer associations, plant protection and veterinary medicine industry, risk assessors, scientists and veterinarians





• Proposal for an EU collaborative platform on ERA

Main goals

- While building on existing regulatory frames and involving risk managers
 - Facilitate cooperation on current and future ERA challenges/needs
 - Bring all relevant actors and key stakeholders together
 - Promote exchange of relevant ERA and monitoring data, knowledge and expertise
 - Validate new tools and methods and promote their uptake in regulatory science;
 - Bridge gaps in regulatory science

→Create a virtual centre of excellence for regulatory science
→Advance ERA and ensure preparedness



- Proposal for an EU collaborative platform on ERA
 - Scope
 - Relevant actors (including risk managers) and key stakeholders
 - Commission services
 - EU agencies
 - EU Member States (national authorities)
 - Policy makers
 - Scientists
 - Non-governmental organisations
 - Applicants
 - Civil society
 - Regulated stressors associated with agricultural food/feed production





Proposal for an EU collaborative platform on ERA

- Plan
 - 2020
 - Outsource roadmap development
 - Incl. feasibility assessment
 - 2021 and beyond
 - Actions driven by roadmap outcomes





Take home messages

Take home messages

• ERA is in EFSA's remit

 Regulated products associated with agricultural food/feed production (i.e. PPP, GMO, FA)

European Food Safety Authority

• QPP

Changing context for ERA

- New Green Deal and "Farm to Fork" strategy
- Possible avenues to advance ERA

Proposal for an EU collaboration platform on ERA

Outsource roadmap development

Thank YOU



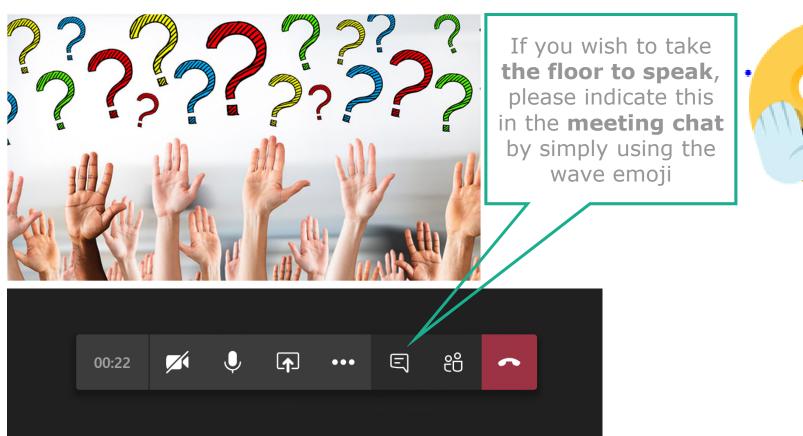
• EFSA colleagues

- EGSMOSE Mark
- IPPOLITO Alessio
- MAGGIORE Angelo
- NOUGADERE Alexandre
- PADOVANI Laura
- RIOLO Francesca
- RORTAIS Agnès
- SCHOONJANS Reinhilde
- SHARP Rachel
- STANCANELLI Giuseppe
- STREISSL Franz
- TARRES-CALL Jordi
- VETTORI Maria Vittori
- VOS Sybren

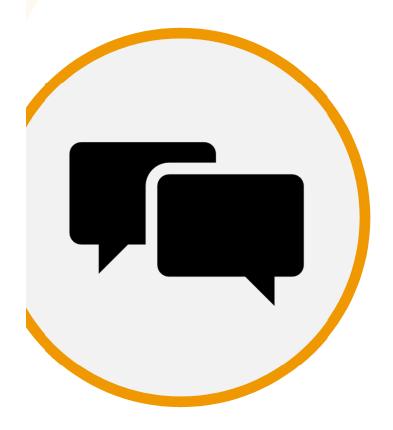


Questions









Points for thematic discussion

Discussion points



- 1. Do you see added value in the establishment of an EU collaborative platform for ERA?
- 2. Do you see cooperation opportunities and challenges?
- 3. Are you aware of relevant existing collaborative partnerships and those that are under development?
- 4. Do you have suggestions for developing the roadmap for the creation of an EU collaborative platform on ERA?