

75<sup>th</sup> Advisory Forum meeting Virtual meeting, 1-2 April 2020

#### **EFSA** activities on environmental risk assessment (ERA)

→Thematic discussion: Changing context for ERA

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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

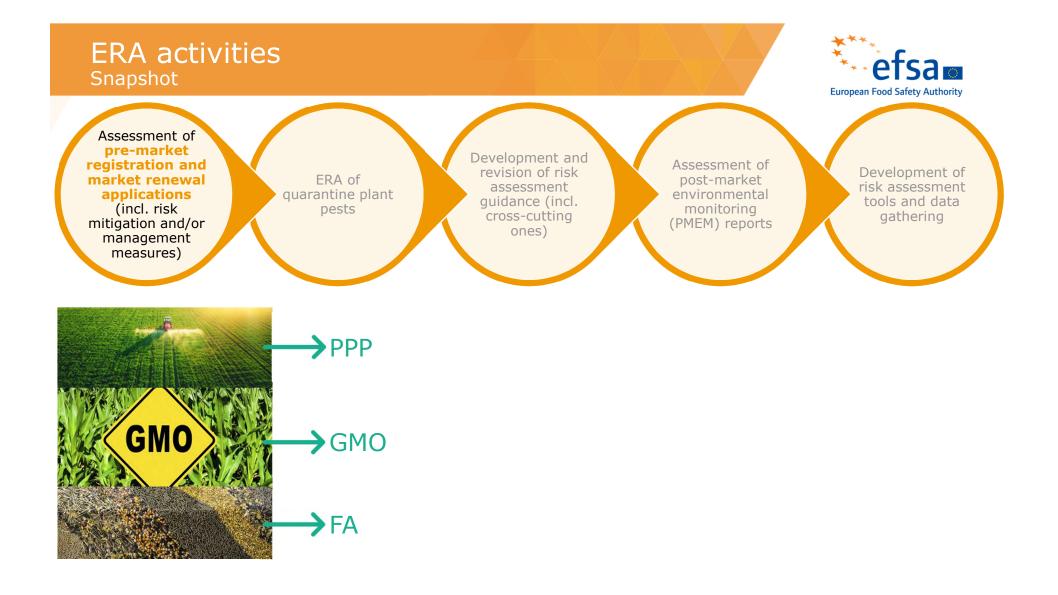
#### **Stressors** (agricultural food/feed production) Animal diseases (zoonotic/non-zoonotic) **Biological hazards** Botanicals Chemical mixtures Contact materials Contaminants Diet (food/feed) Emerging risks Endocrine active substances Enzymes Flavourings Feed additives (FA) Genetically modified organisms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

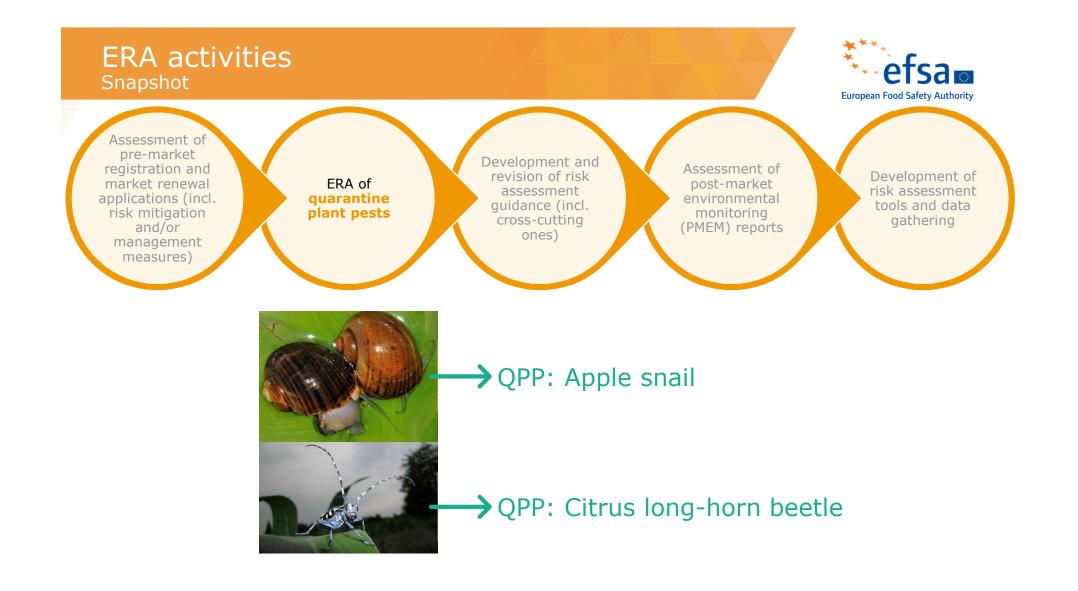
#### **Protection goals**

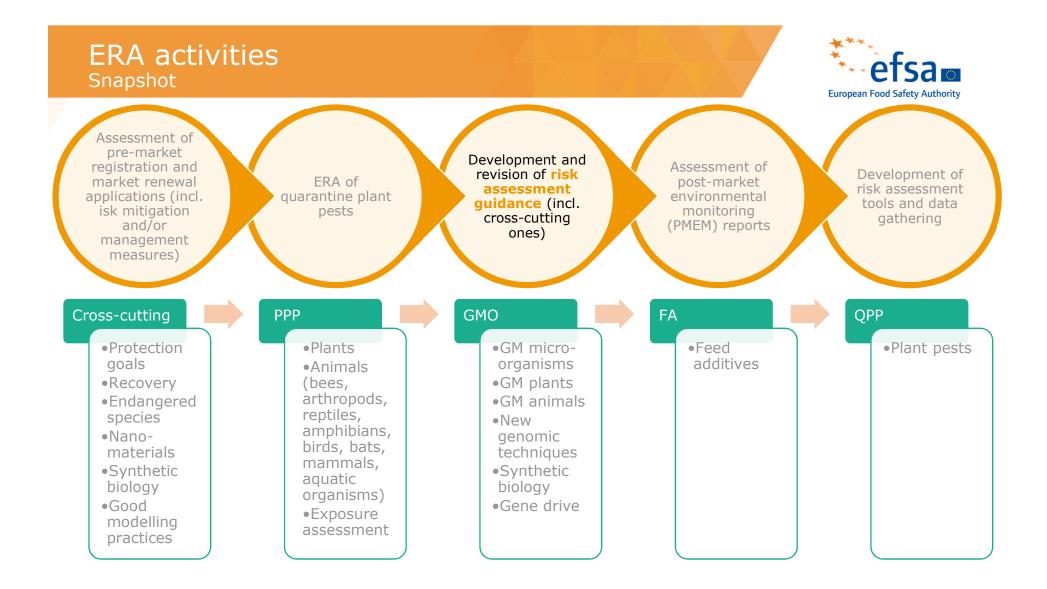
Human health Animal health Animal welfare Plant health Environment

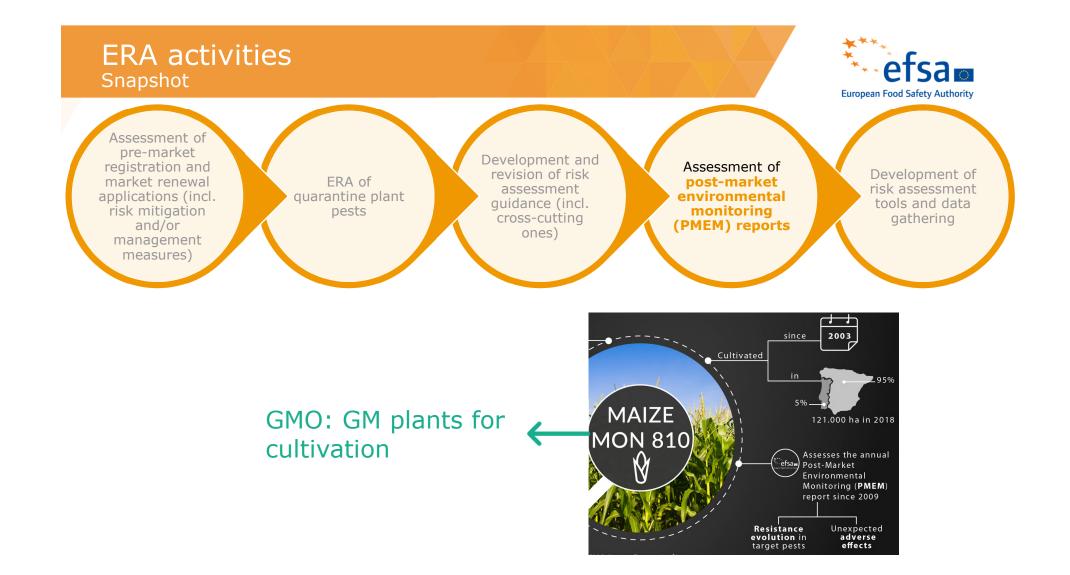
(biodiversity, ecosystems, ecosystem services, ...)

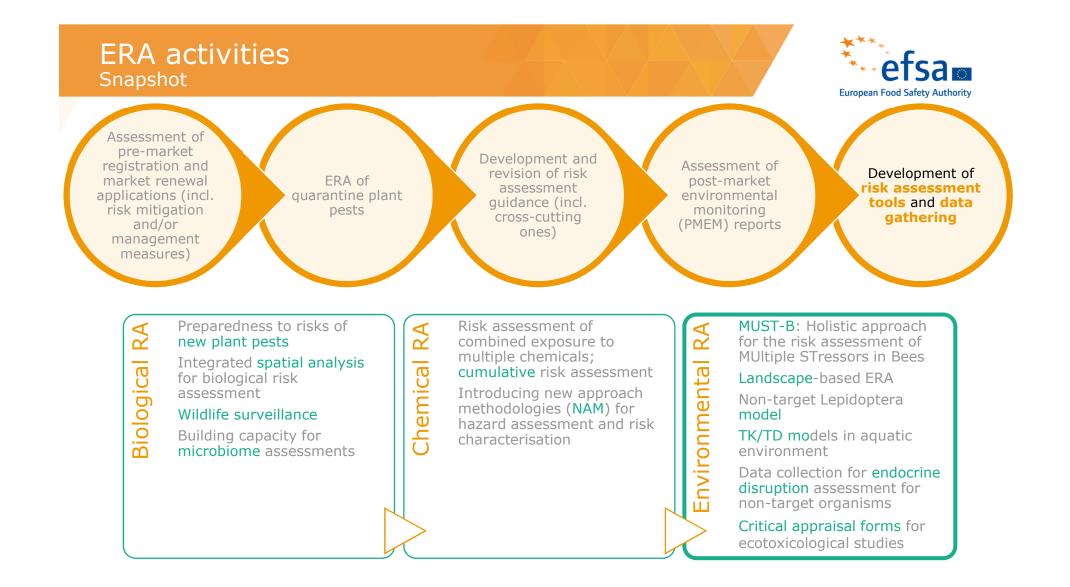
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## Changing context for ERA

#### 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

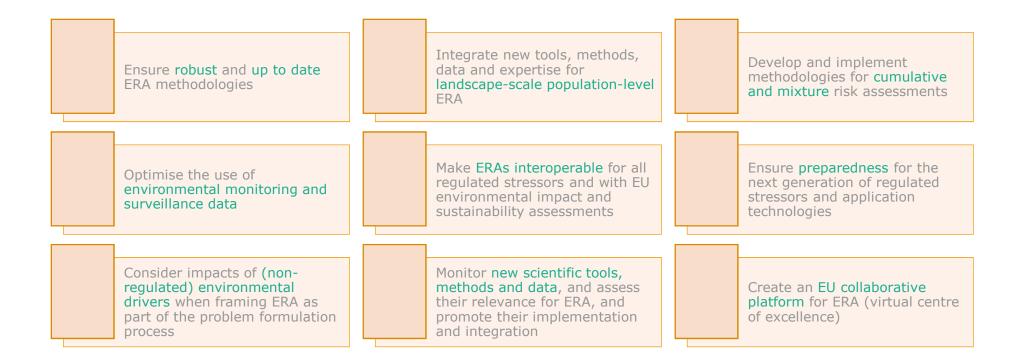
- By integrating
  - Sector-specific ERAs across multiple stressors, across spatial and temporal scales, across policies and regulatory frames, and across regional, national and EU agencies
    - Pre- and post-registration data (incl. environmental monitoring and surveillance data)



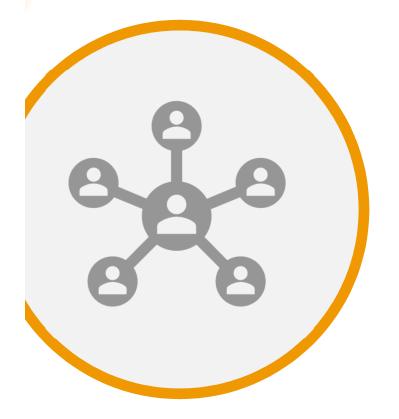
European Food Safety Authority

#### 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



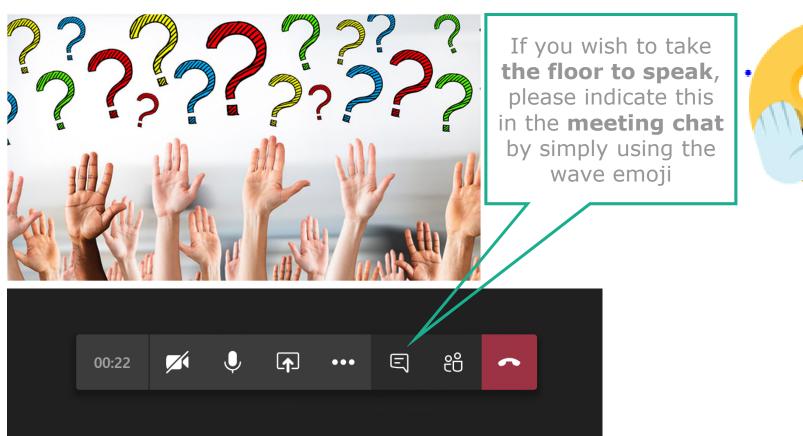
#### • EFSA colleagues

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- PADOVANI Laura
- RIOLO Francesca
- RORTAIS Agnès
- SCHOONJANS Reinhilde
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- STANCANELLI Giuseppe
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- VETTORI Maria Vittori
- VOS Sybren

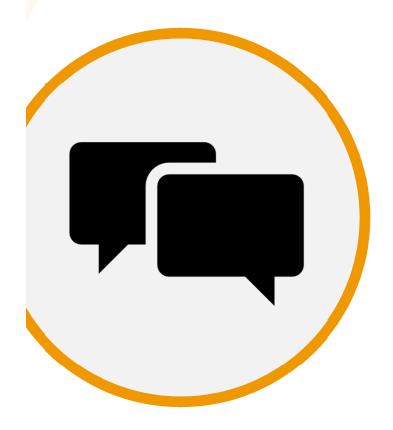


#### Questions









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?