

ANSES policy orientations for 2017

30th FP meeting, 8-9 February 2017, Parma

Food safety and nutrition



- **Assessment of control measures of campylobacter** in the poultry industry
- Quantitative assessment of risks linked to **Salmonella** in the pig industry
- **GMOs:**
 - Retrospective review of lessons learned from sub-chronic 90 days toxicity studies
 - Expected limits, opportunities and benefits of “omics” technologies
- **Consumer preparation practices** and their impact on microbiology
- Further development of **genomics** and **bioinformatics**

Biological risks



- **Environmental water:** detection methods for cyanobacteria, occurrence of amoebas, chemical contamination occurrence data
- **Metabolite residues** in water
- **Water treatment products and processes** and materials in contact with water

Water



- Risks assessment linked to the **use of manufactured nanomaterials in food** (additives, FIP)
- Risks of **breastfeeding** linked to the Contalait results
- Prioritisation strategy for **newly-formed substances**
- **Aggregate exposure to phthalates** (air/dust, contact, food)
- **Kannari chlordecone Study**
- Development of **alternative methods to bioassay in mice**

Physico-chemical hazards



- **National nutrition plan:** specific approaches for **certain population groups** (pregnant and breast-feeding women and infants under 2)
- **Food allergies:** physiopathological mechanisms, new allergens, impact of prevention messages ...
- **Risk/benefit of breast-feeding** including contaminants and behaviour
- **JANPA joint action on nutrition and physical activity**

Nutritional risks & benefits



- Publication of the **INCA 3** study
- **Chemical contamination:** optimisation of the surveillance and control plans
- **Sources of food foodborne infectious diseases:** review of methodologies
- Synthesise the above to **prioritise hazards / risks**, methodology for comparing and quantifying the impacts of hazards with different modes of action
- Implementation of the **Epidemiosurveillance platform**
- **Quality of data** from official surveillance & control plans

Cross-cutting activities



Animal health & welfare



- **Avian influenza:**
 - Poultry breeding & biosecurity
 - Low pathogenicity
- Health issues involving **wildlife & its interface with livestock**
- **Ranking of health hazards in the DOM**
- Risk assessment around **vectors**
- **Salmonella** in animal sectors
- **Ranking of chemical hazards** in feed
- **Animal welfare:**
 - Animal protection - pets
 - Self-checks in slaughterhouses

Risk assessment



- Evolution of European regulation
- **Pharmacovigilance:** VIGIE project
- 1st year of the **veterinary drug monitoring committee:** information on drug uses

Veterinary medicinal products



- Emergence of **new pathogenic influenza virus**
- **Replacement of flocks** after period of fallowing
- Re-emergence of H5N8 in wildlife
- **Origin of these strains & their pathogenicity**
- Monitoring of **serotype 8 bluetongue outbreaks**

Activities linked to health events in 2016



- End of the 2017 Ecoantibio plan & new plan
- **Alternatives** to antibiotics
- Tools to monitor **use of antibiotics**
- Mechanisms involved in the development of **antibiotic resistance in the environment**
- **Proper use** of antibiotics and possible alternatives
- **Monitoring antimicrobial resistance**

Antimicrobial resistance



- **Epidemiological surveillance data**
- **ESA platform:** anticipatory monitoring for the potential emergence of LSD
- **Equine sector:**
 - Monitoring mortality
 - Articulation between equine databases & infectious disease surveillance

Surveillance & monitoring



- New framework on **control of reagents and diagnostic kits**
- **Vigilance system** for marketed reagents & diagnostic kits ("reactovigilance")

Analytical reference



- **Animal welfare:** National reference centre
- **Med Vet EJP**
- **Containment building** for bacteriology activities / unconfined **experimental buildings** for health & welfare of poultry

Partnerships and strategic investments



Plant health and protection



Pest risk assessment:

- Causative agent of citrus greening
- *Ambrosia trifida* & *A. psilostachya*
- Giant hogweed and Japanese hops
- **Risk ranking of plant pests** in the DOM

Risk assessment for plant health



• Neonicotinoids:

- Risk and benefit assessment
- Impact on human health of authorised neonicotinoid substances
- **Assessment methodologies:**
 - Risk assessment of co-formulants
 - Assessments adapted to natural preparations of low concern
 - WG on “fertilisation and the environment”: method for testing the effectiveness of bio-stimulants
- Improve **knowledge on certain mechanisms** (e.g. release into the environment)

Methodologies for inputs



- **Development of analysis methods** - new emergences
- **Innovative techniques** for diagnosis
- **Epidemiological surveillance platform on plant health**
- **Research projects** on *Xylella fastidiosa* and other pathogens

Detection & identification (pests & invasive plants & GMOs)



- **Resistance surveillance**
- **New assessment methods**
- **Research:**

- *Bemisia tabaci* resistance to pesticides
- Resistance monitoring
- Variations in space and time of resistant populations of *Myzus persicae*
- Evaluation of plant protection preparations & identification of additional data needs

Resistance to plant protection products



- **Optimisation** of procedures
- **Data protection**
- Evolution of the **monitoring committee** to include biocides
- **MA D-Phy dematerialisation project**
- Development of a management tool for product testing declaration
- **Inspection and control:**
 - Identification of analytical capabilities for products
 - Introduction of controls on formulation or product importing sites
- Exchanges & methodological coordination with **MS Southern Zone**

Market authorisations



- **Mobilise information** & data from partners, studies or spontaneous reports while **optimising the operating procedures**

Phytopharmaco-vigilance



- **Risks & benefits** expected from the use of non-transgenic HTVs

Herbicide tolerant varieties



Environment and health



• **National strategy on Endocrine disruptors:**

- 2017 Priority substances
- Phthalate mixture
- BPA

• **REACH / CLP:**

- Re-assessment of substances
- RMOA

• **Nanomaterials:**

- Exposure assessment in food
- Management of the declaration web portal
- TiO₂

Chemicals



• **EMF:**

- Electro-hypersensitivity
- Feasibility of a diagnostic tool
- Exposure measurement tool adapted to new signals
- Symptoms reported near base stations
- Extremely low frequency fields

• **Lighting:**

- LEDs

• **New technologies:**

- Behaviour modification and potential health impacts

Physical agents



• **Outdoor air:**

- Influence of particles on health
- Anti-pollution masks
- Air quality standards
- Elongated mineral particle - uses of aggregates from quarries

• **Indoor air:**

- Transfer of outdoor air pollution indoors
- Pesti'Home study on domestic uses of pesticides

Air



- Approval of new substances
- Assessment of existing active substances
- Dossiers

Biocides



- Chemical risk
- Diclofenac
- Perchlorate ions
- Reuse of wastewater
- Use of rainwater for laundry

Water



- Substances in textile and footwear
- Intimate hygiene products

Consumer products



Occupational health



- **EDs – CMR substitution:**
 - Priority substances
 - Knowledge on occupational exposure to EDs
 - Support and accompany substitution
 - Potential substitutes to formaldehyde
- **REACH / CLP:**
 - Re-assessment of substances
 - Exposure scenarios
 - Classification dossiers
- **Nanomaterials:**
 - Declaration web portal management
 - TiO₂
 - Risks associated to uses in food

Chemicals



- **Climate change:** identifying exposure situations with a potential impact on worker health
- Exposure situations and occupational risks related to **biotechnology applications**
- Health effects of lighting systems using **LEDs**
- **Crystalline Silica:** update of knowledge on hazards, exposure and risks
- **Elongated mineral particles** naturally present in materials: exposure data for workers

Emerging risks



- Health risks for workers exposed in **recycling sectors**
- Health effects of **atypical work schedules**, other than night shifts
- **Cadmium:** study of the populations of workers in contact with fertilisers, products or processes involving cadmium or working at polluted sites
- Exposure of workers to products used in the **care and decoration of fingernails**

Specific areas



- Metrological expertise (**20 substances**)
- Efficiency of the French system for **elaborating OELs**
- **Non-specific dust OELs**

OELs



- Methodological work on assessment of **cumulative risks and occupational exposure**
- Observation of **occupational exposure**

PPP & biocides



- Routine and fluid processing of the **RNV3P network data**
- **Key action of the 3rd OH plan: mapping relevant databases** for the prevention of occupational risks

Data



Thank you for your attention

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