ANSES policy orientations for 2017

30th FP meeting, 8-9 February 2017, Parma
## Food safety and nutrition

### Biological risks
- **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

### Physico-chemical hazards
- 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

### Biological risks
- 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

### Cross-cutting activities
- 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 Epidemiomserveillance platform
- Quality of data from official surveillance & control plans

### Water
- **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

### Nutritional risks & benefits
- **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
Animal health & welfare

Risk assessment
- 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

Emergence of new pathogenic influenza virus
- Replacement of flocks after period of falling
- 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

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

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

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

Antimicrobial resistance
- 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**

- **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**

- **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

**Methodologies for inputs**

- **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**

**Resistance to plant protection products**

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

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Environment and health

**Chemicals**
- 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

**Physical agents**
- 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

**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**
- Substances in textile and footwear
- Intimate hygiene products

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

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

**Consumer products**
Occupational health

**Chemicals**
- 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

**Emerging risks**
- 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

**Specific areas**
- 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

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

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

**Data**
- 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
Thank you for your attention

For more information:
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