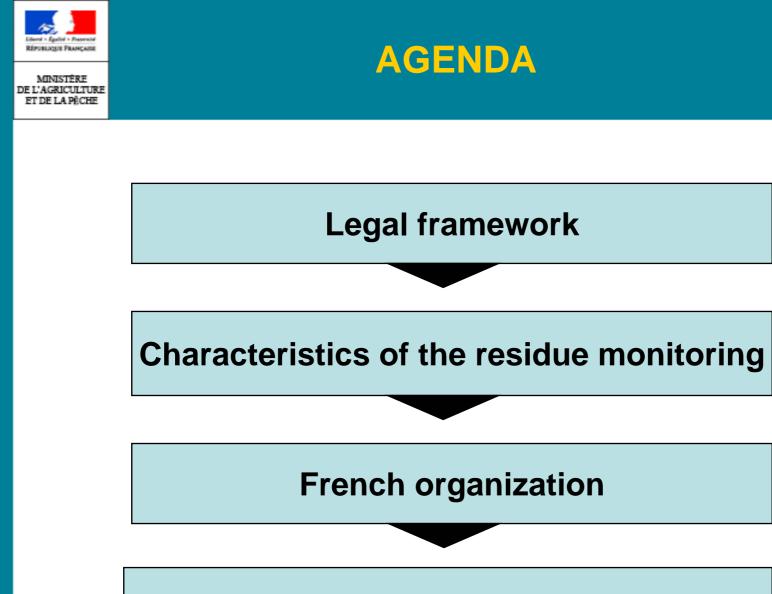


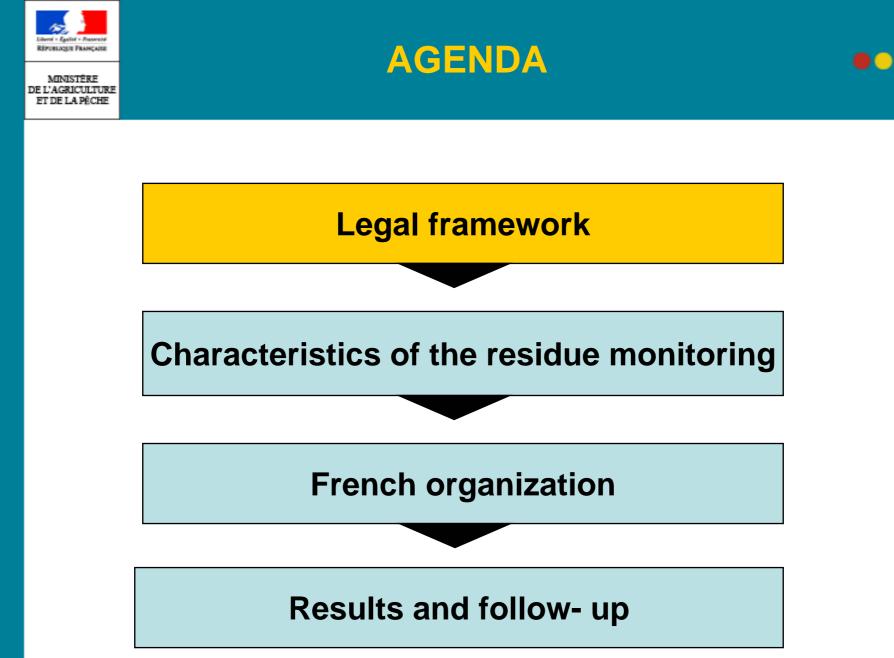
Residues of Pesticides in foodstuffs of animal origin : Monitoring programs in France

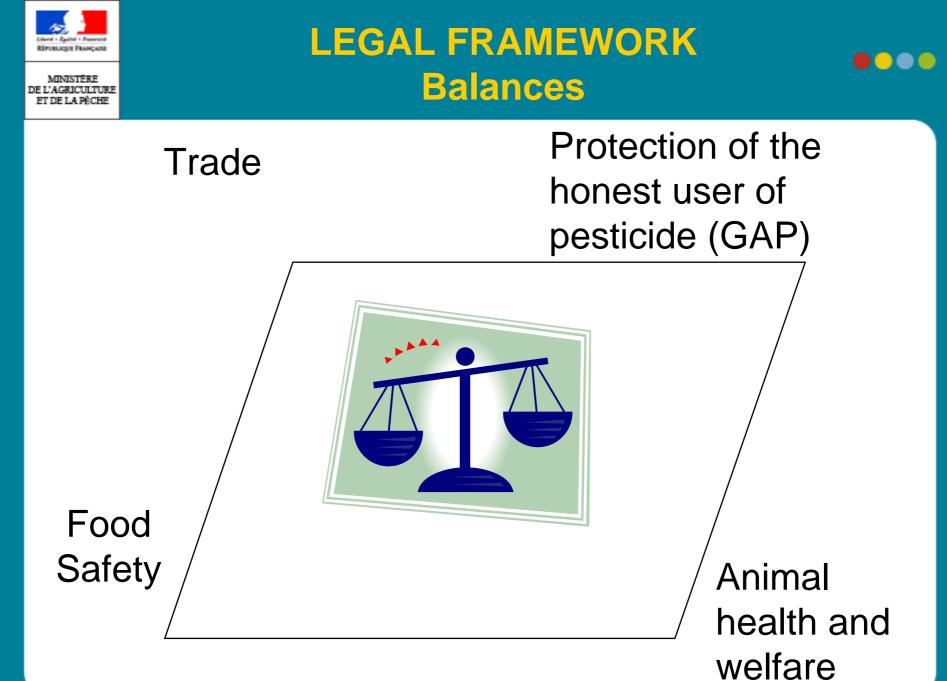


Jean-Pierre ORAND French Ministry of Agriculture

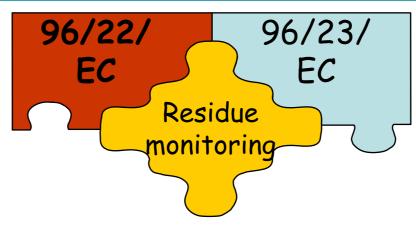


Results and follow- up



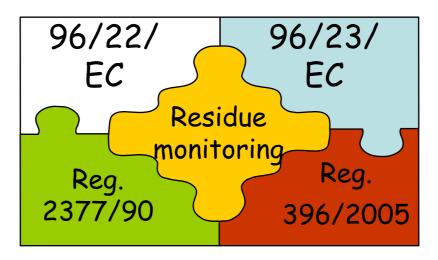






- Directive 96/23/EC = measures to monitor certain substances and residues in live animal and animal products (= residue monitoring plans)
 - Establishes substances, species or products covered and sampling requested
 - Covers Member States and third countries
- Directive 96/22/EC = Ban on the use of hormones as growth promoters





- Regulation 396/2005 = Establishes MRL for Pesticides.
- Regulation 2377/90 = Establishes Maximum Residue Limits (MRLs) for substances and animal species (veterinary medicines)



MINISTÈRE DE L'AGRICULTURI ET DE LA P<u>È</u>CHE



- Why ? :
 - Complexity of present legislation :
 - 4 parents Council Directives
 - Complicated lists of MRLs, both at national and at Community level
 - Problem for the international market and for the importers
 - Lack of harmonisation
 - Role of EFSA (Reg. 178/2002)



LEGAL FRAMEWORK Reg. 3962005 : new legal framework



- Regulation clear and transparent :
 - one list of MRLs (accessible database with information)
 - Information to consumers about risk arising from pesticides, results of national monitoring
- Clear procedure for application :
 - MS EFSA- Commission),
 - Codex LMRs considered
- Complete harmonisation : no more trade problems, Import tolerance



LEGAL FRAMEWORK Regulation 396/2005 - Annex



Condition for the application of the regulation

- Annex I → List of commodities (Reg. 178/2006)
- Annex II → EU MRLs (existing MRLs)
- Annex III → Temporary MRLs (harmonisation of national MRLs)
- Annex IV → List of active substances for which no MRLs are required (low toxicity)

Will be developped later :

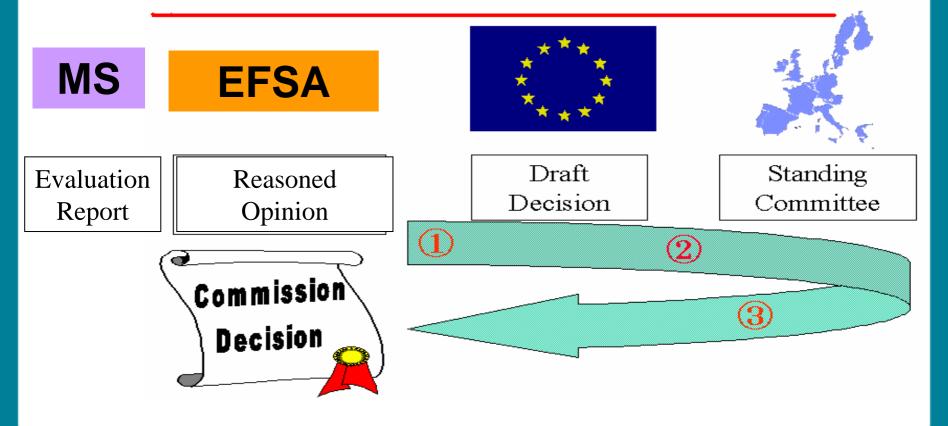
- Annex V \rightarrow Substances for which a default MRL applies
- Annex VI \rightarrow Processing factors
- Annex VII → Fumigants

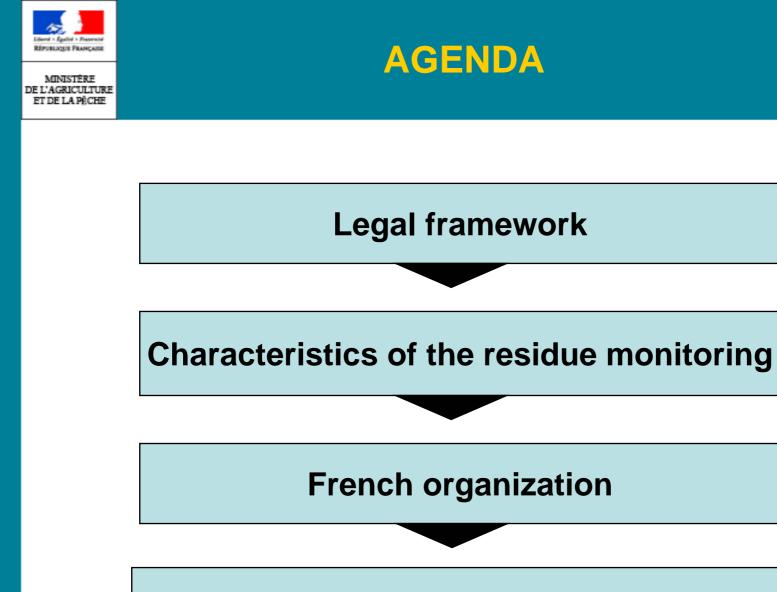


MINISTERE DE L'AGRICULTURI ET DE LA PÊCHE LEGAL FRAMEWORK Procedure



Decision Making Process General Scheme



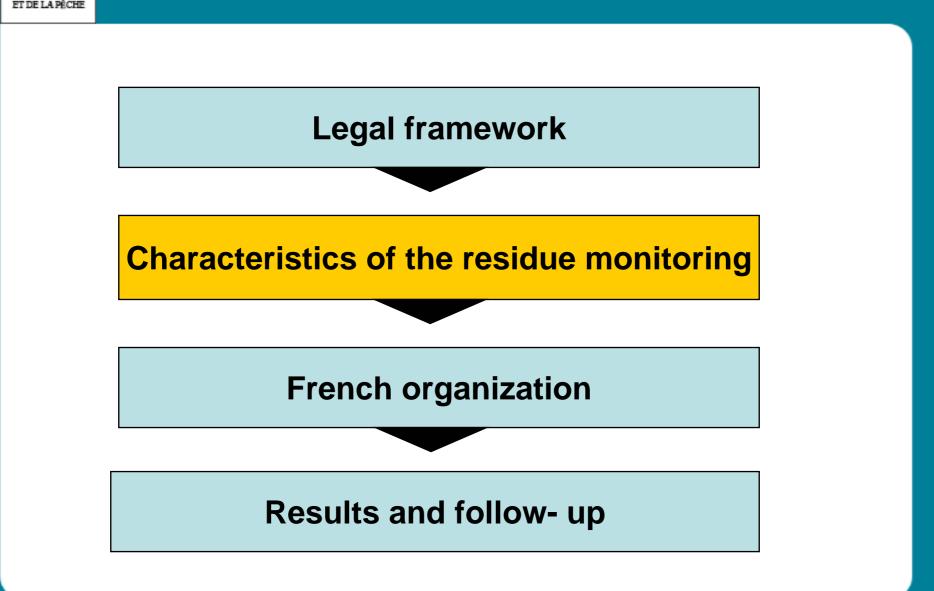


Results and follow- up











RESIDUE MONITORING Directive 96/23



Harmonized approach : Directive 96/23

Coordination by the European Commission

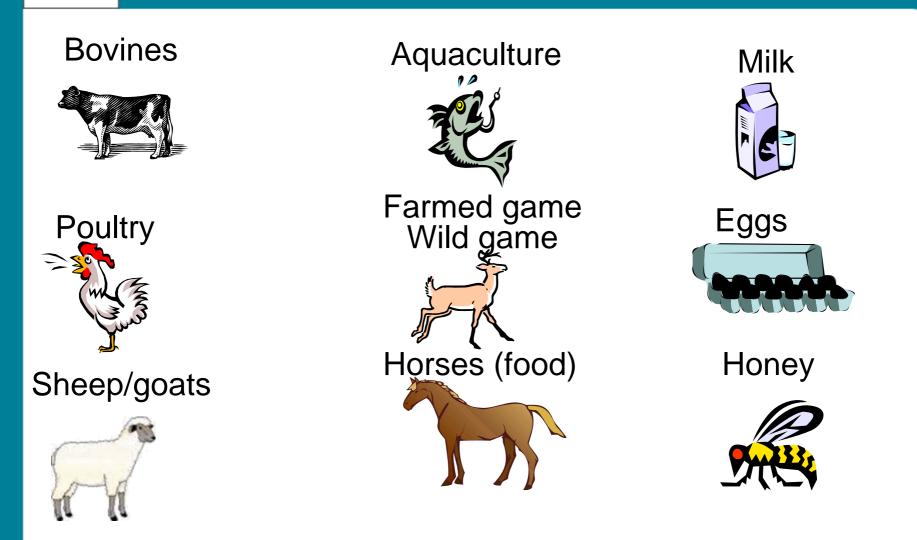
 Member States Report on previous results and current plans

Different national organizations





RESIDUE MONITORING Animals and products concerned





RESIDUE MONITORING Classification of substances



- Hormones, Beta agonists, etc...
- Forbidden veterinary products : Annexe IV LMR (chloramphenicol, dimetridazol)
- Veterinary medicines (Groups B1, B2) with LMR
 - Antibiotics (B1),
 - Antihelminthics, etc...
- Contaminants (Group B3)
 - PESTICIDES, dioxins,
 - Heavy metals...







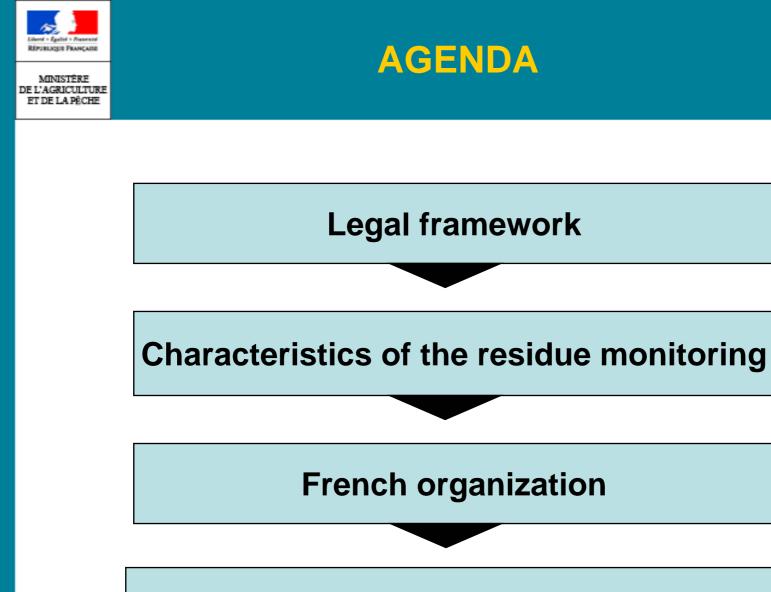






RESIDUE MONITORING Frequencies and level of the control

Species	Number of controlled animals (% of annual production)	Group A		GROUP B	
			50% live animal	0.15% (30% for groups B1)	
Bovine	0.4%	0.25%	50% slaughterhous e		
Porcine	0.05 %	0.02%		0.03% (30% for group B1)	
Sheep and Goat	0.05 %	0.01%		0.04%	
Equine	In relation to the problems identififed				
Poultry (broiler chicken, turkeys)	1 per 200 tons of annual production (minimum : 100)	50% of samples		50% of samples (30% for group B1)	
Aquaculture products	1 per 100 tons of annual production	33% of samples		67%	
Milk except sheep and goat milk	1 per 15000 tons of annual production	70% for veterinary medicament and 30% for B3			
Eggs	1 per 1000 tons (equivalent ton)	70% for groups A6, B1, B2b and 30% in relation to the problems identififed (B3a)			
Honey	10/300 tons (3000 tons) + 1/300 tons	50% for groups B1 and B2c and 40% for groups B3a, B3b, B3c			



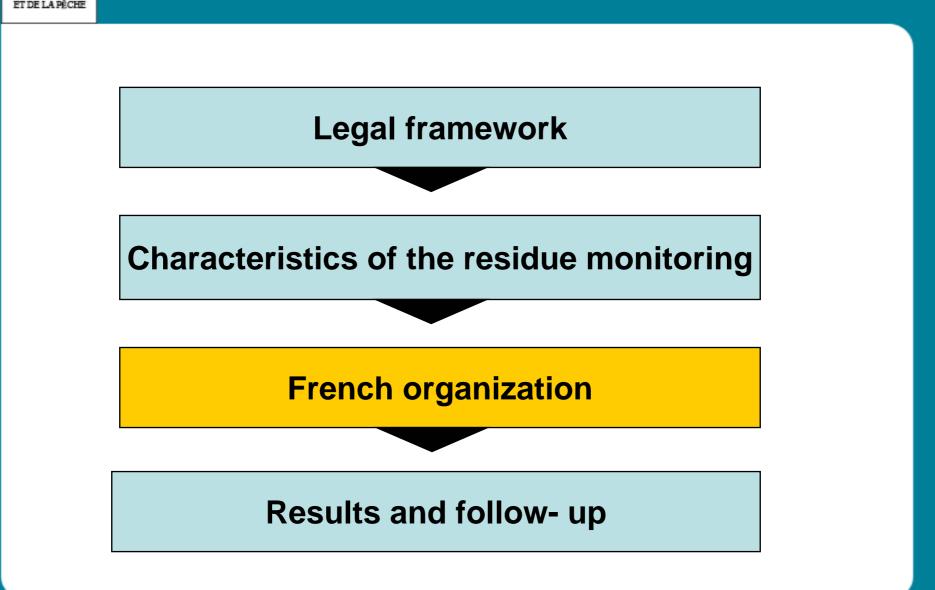
Results and follow- up



DE L'AGRICULTUR











FRENCH ORGANIZATION Risk assessment-Risk management



Political decisions	Ministry of Agriculture		
Legal texts	<i>Risk</i>		
Control coordination	mamagement		
Enforcement Sampling Investigation / Inspection	Departmental Directions		
Scientific risk	French Food	Risk	
assessment	Safety Agency	assessment	
Control confirmation NRL, CRL Official analysis	Laboratory for pe		



MINISTÈRE DE L'AGRICULTUR ET DE LA PÊCHE

FRENCH ORGANIZATION Risk policy and management



One leading Ministry

Ministry of Agriculture and Fishery

One competent Direction

General Directorate for Food (DGAL)

Elaboration of residue plan each year

- Determinate scope : group of residue (previous results,)
- Determinate number of samples for each department, each species each sub-groups of residue

Target criteria : local production, number of slaughtered animals





- Departmental Directions for Veterinary Services
- - Sampling (slaughterhouses etc...)
 - Investigation (food production, farms etc...)
 - Sanctions (prohibited substances etc...)



FRENCH ORGANIZATION Risk assessment





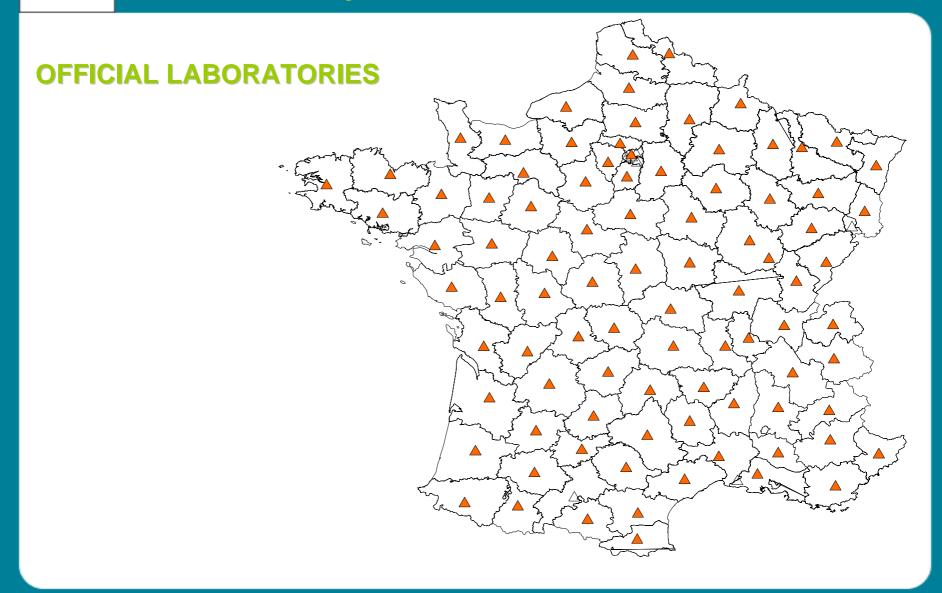
•1998 : clear separation between risk management and risk assessment

- **atssa** French Food safety Agency:
 - Risk assessment
 - Scientific opinions
 - Studies on the basis of Residue monitoring plans



MINISTÈRE DE L'AGRICULTURE ET DE LA PÊCHE

FRENCH ORGANIZATION Official analysis : network of laboratories







• Minimum requirements

- Suitable qualified staff, equipment, buildings and
- Guaranty of confidentiality, impartiality and independence
- Accreditation on NF EN ISO/CEI 17025 standard delivered by the COFRAC
- Approval by General Division for Food
- Permanent maintenance of their competences (trainings, participations in ring tests,...)



MINISTÈRE DE L'AGRICULTURE ET DE LA PÊCHE

FRENCH ORGANIZATION National Reference Laboratories

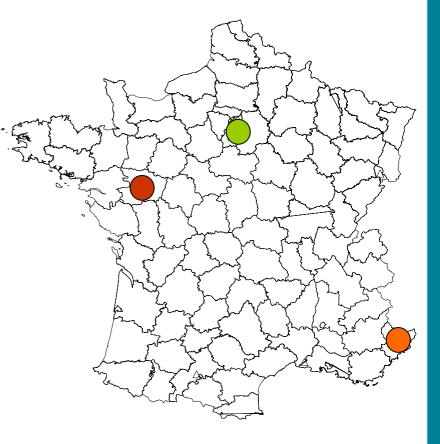


Pesticides

AFSSA LERQAP Maisons-Alfort

(foodstuffs of animal origin)

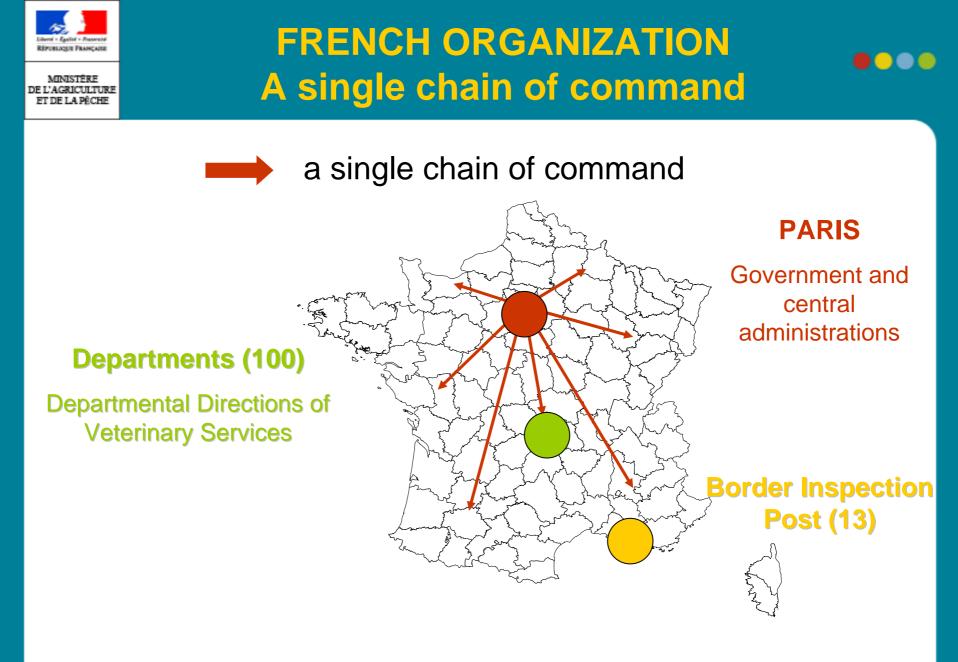
- AFSSA Sofia (honey)
- LNPV Angers (vegetable)







- Coordinate the work of designated laboratories, training, coordinate the standards
- Organize comparative tests
- Scientific and technical support for the government
- Confirm positive analysis detected by public laboratories
- Development and validation of method of analysis,
- Disseminate information supplied by CRL, knowledge of international standards and practical
- Maintain qualified staff and equipment





SPECIFIC TOOLS System of information

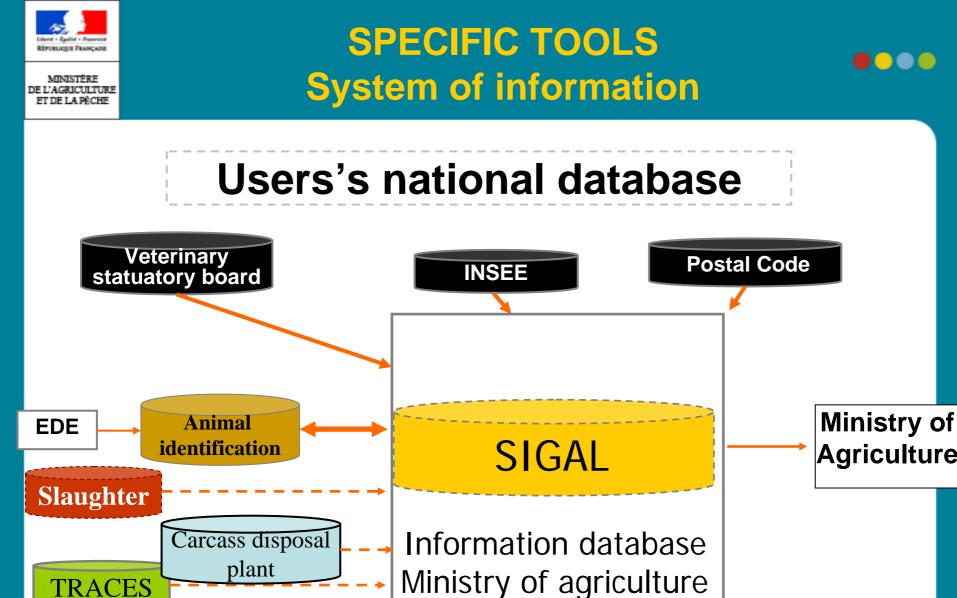


• SIGAL : System of information for DGAI

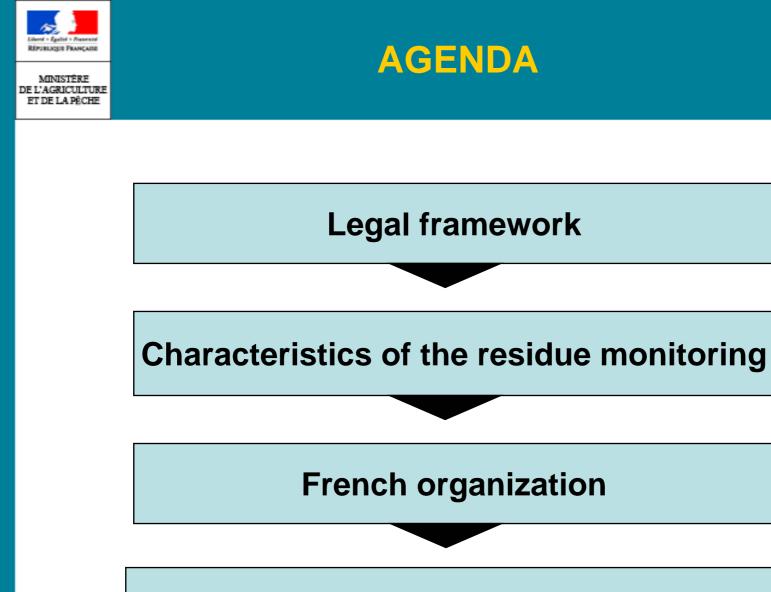
 Information Processing System connecting the departments to the laboratories and the general division for food (DGAI)

- Base Data-Processing containing the requests for samples by plan and department

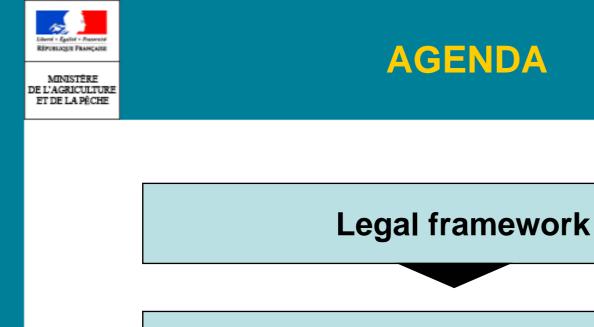
- Daily monitoring of control plans realization



Laboratories



Results and follow- up



Characteristics of the residue monitoring

French organization

Results and follow-up



MINISTÈRE DE L'AGRICULTURE ET DE LA PÊCHE





Species	Nb of samples	% of Non compliance	Pesticide
Bovine	970	0.22	OP, OC, Pyret., PCB
Poultry	360	0	OC, Pyret., PCB
Rabbit	15	0	OC, Pyret., PCB
Game	50	0	OC, Pyret., PCB
Fish	130	1	OP, OC, Pyret., PCB
Milk	80	0	OP, OC, Pyret., PCB
Egg	110	1.1	OC, PCB
Honey	140	0	OC, amitraze, Pyret



RESULTS AND FOLLOW-UP Follow up - Non compliance



If the result exceeds the maximum residue limit (MRL)

Investigation on farm

- Find the cause of non compliance (not respect of the latency).
- Checking the register of breeding.
- Recall of the obligations.
- Correct measurements to implement.
- Withdrawal of the market of the food products if new non compliant results.
- Targeting of the breeding for the plan of the year n+1.





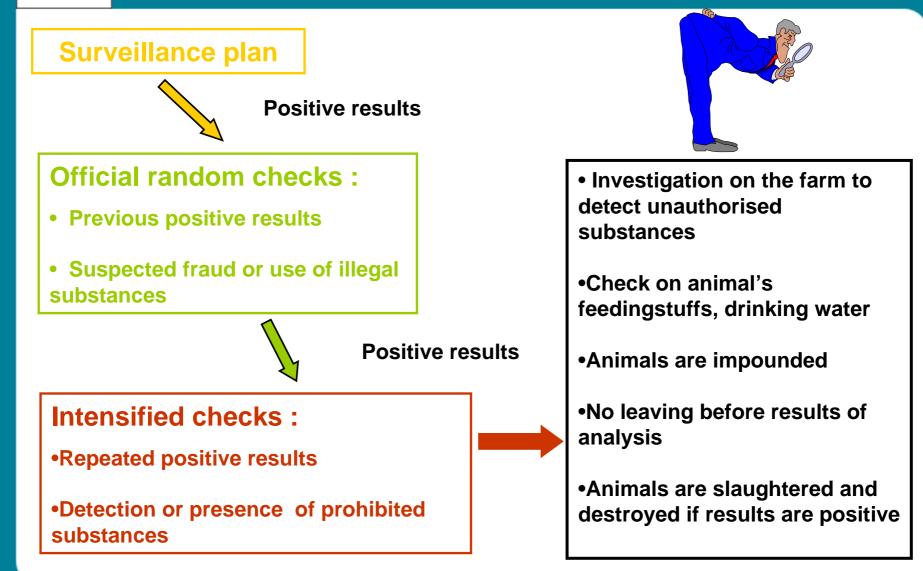
- Prohibited substances
- 1st sample for official laboratories
- 2nd sample for the animal's owner :
 - Possibility for the animal's owner to analyze his sample in an approved laboratory
- 3rd sample for the national authorities :
 - In case of different result between the 1st and 2nd sample, analysis of the 3rd sample by the National Reference Laboratory (NRL).





RESULTS AND FOLLOW-UP Follow up - Summarize











THANK YOU FOR YOUR ATTENTION

