

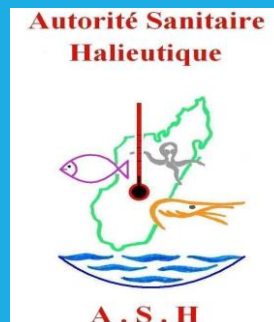


**REPOBLIKAN'I MADAGASIKARA**  
Fitiavana - Tanindrazana - Fandrosoana

## AQUATIC ANIMAL DISEASES SURVEILLANCE IN MADAGASCAR

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National Focal Points for Aquatic Animals



Lusaka, Zambia, July 2023



## I- SANITARY STATUS

## II-AQUATIC ANIMAL DISEASE SURVEILLANCE

## III- OPPORTUNITIES, CHALLENGES and REQUIREMENTS

Lusaka, Zambia, July 2023



## I- SANITARY STATUS

FISH DISEASES	DISEASE STATUS	
	Farmed	Wild
Infection with epizootic haematopoietic necrosis virus	Never reported (historically absent)	
Infection with <i>Aphanomyces invadans</i> (Epizootic ulcerative syndrome)		
Infection with <i>Gyrodactylus salaris</i>		
Infection with infectious salmon anaemia virus		
Infection with salmonid alphavirus		
Infection with infectious haematopoietic necrosis virus		
Infection with koi herpesvirus		
Infection with red sea bream iridovirus		
Infection with spring viraemia of carp virus		
Infection with viral haemorrhagic septicaemia virus		

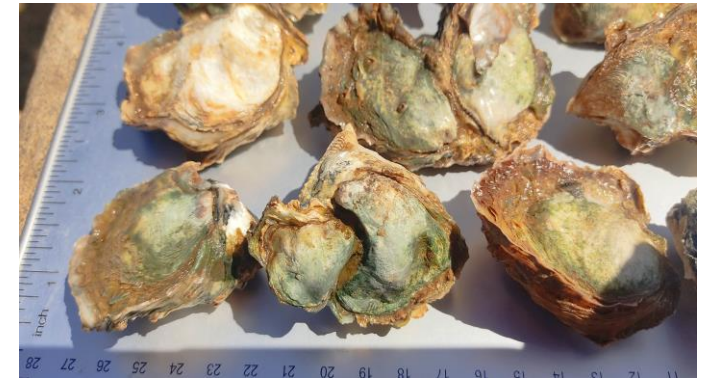


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## I- SANITARY STATUS

MOLLUSCS DISEASES	DISEASE STATUS	
	Farmed	Wild
Infection with abalone herpesvirus		Never reported (historically absent)
Infection with Bonamia exitiosa		
Infection with Bonamia ostreae		
Infection with Marteilia refringens		
Infection with Perkinsus marinus		
Infection with Perkinsus olseni		
Infection with Xenohalotitis californiensis		



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## I- SANITARY STATUS

CRUSTACEANS DISEASES	DISEASE STATUS	
	Farmed	Wild
Acute hepatopancreatic necrosis disease	Never reported	Never reported
Infection with <i>Aphanomyces astaci</i> (Crayfish plague)	Never reported	Never reported
Infection with <i>Hepatobacter penaei</i> (Necrotising hepatopancreatitis)	Never reported	Never reported
Infection with infectious hypodermal and haematopoietic necrosis virus	Absente	Absente
Infection with infectious myonecrosis virus	Never reported	Never reported
Infection with <i>Macrobrachium rosenbergii</i> nodavirus (White tail disease)	Never reported	Never reported
Infection with Taura syndrome virus	Absent	Absent
Infection with white spot syndrome virus	Absent Compartmentalized	Infection limited to one or more areas
Infection with yellow head virus genotype 1	Absent	Absent
Infection with decapod iridescent virus 1	Never reported	Never reported



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## I- SANITARY STATUS

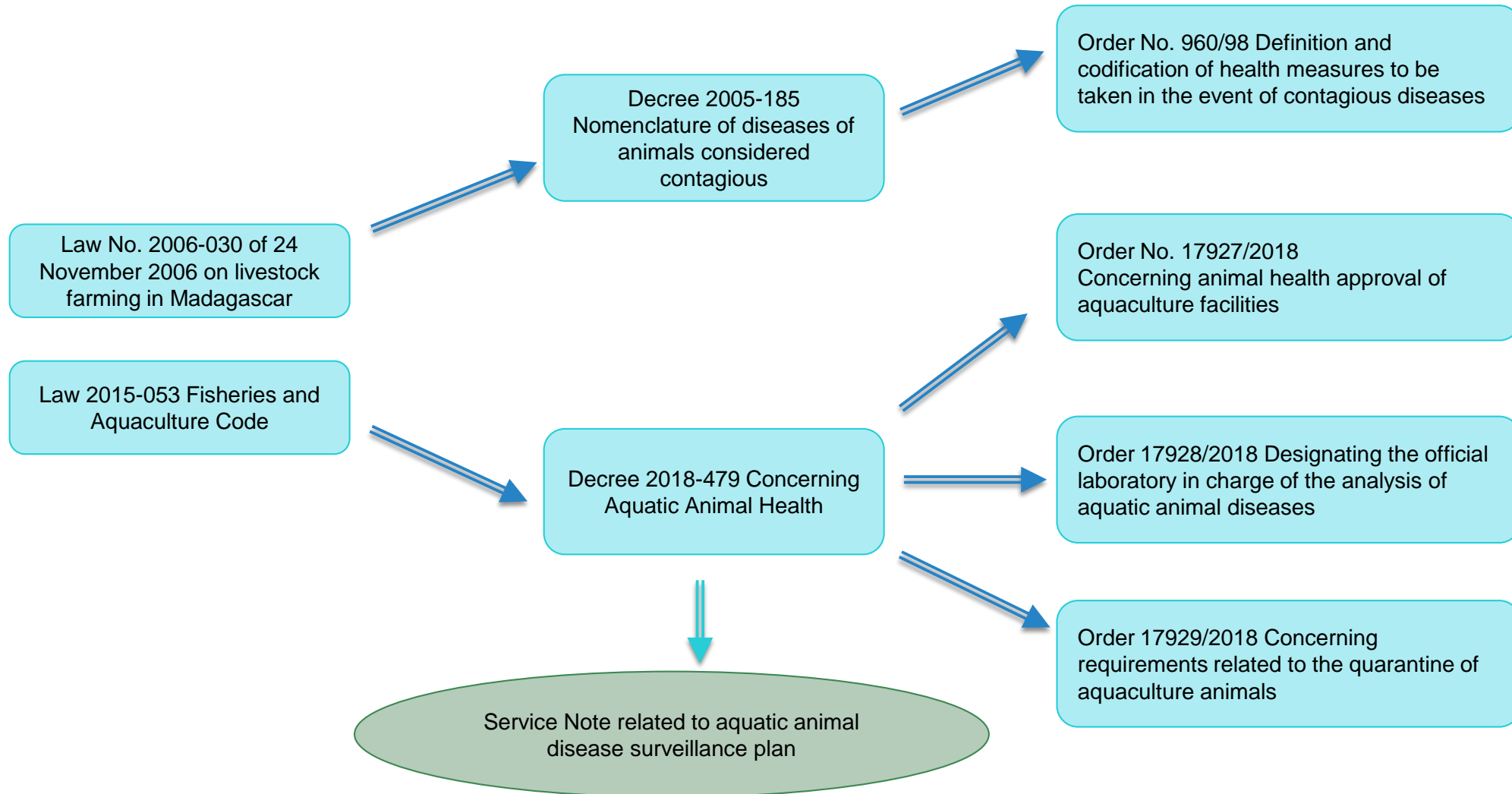


**WSSV:** Infection confirmed by diagnostic tests, but no clinical signs observed and limited to a few areas in wild aquatic species.

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## II-AQUATIC ANIMAL DISEASE SURVEILLANCE

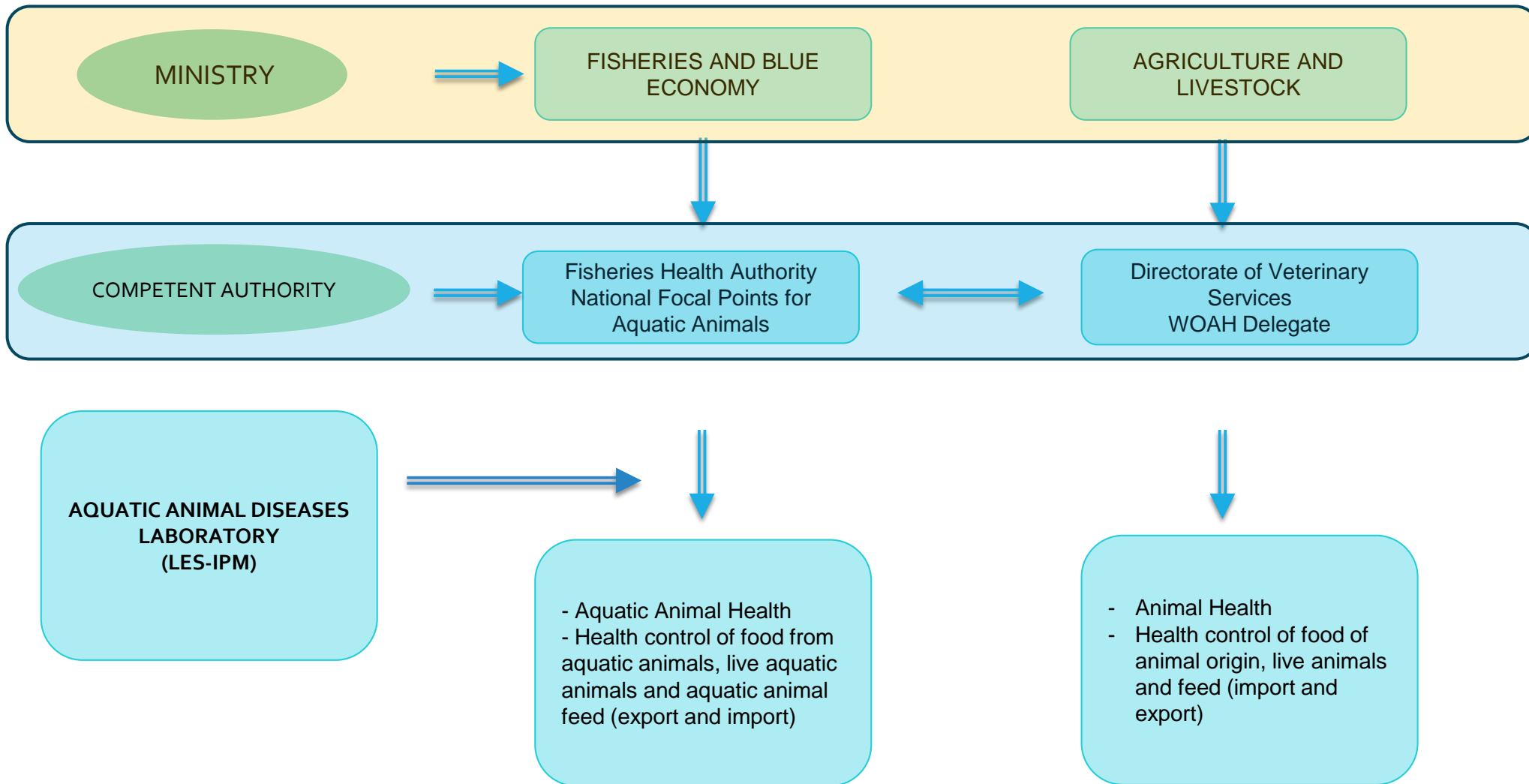
### A- REGULATIONS



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## II-AQUATIC ANIMAL DISEASE SURVEILLANCE

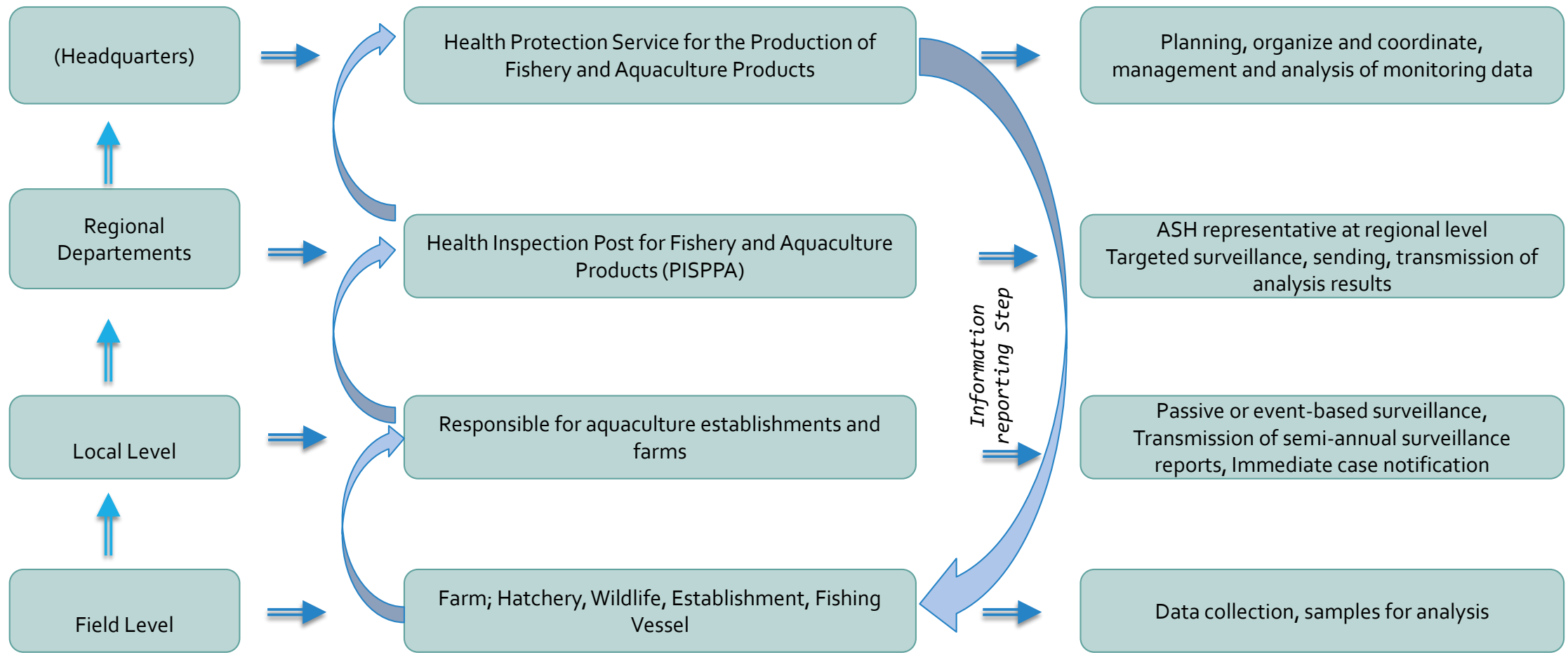
### B- STAKEHOLDERS





## II-AQUATIC ANIMAL DISEASE SURVEILLANCE

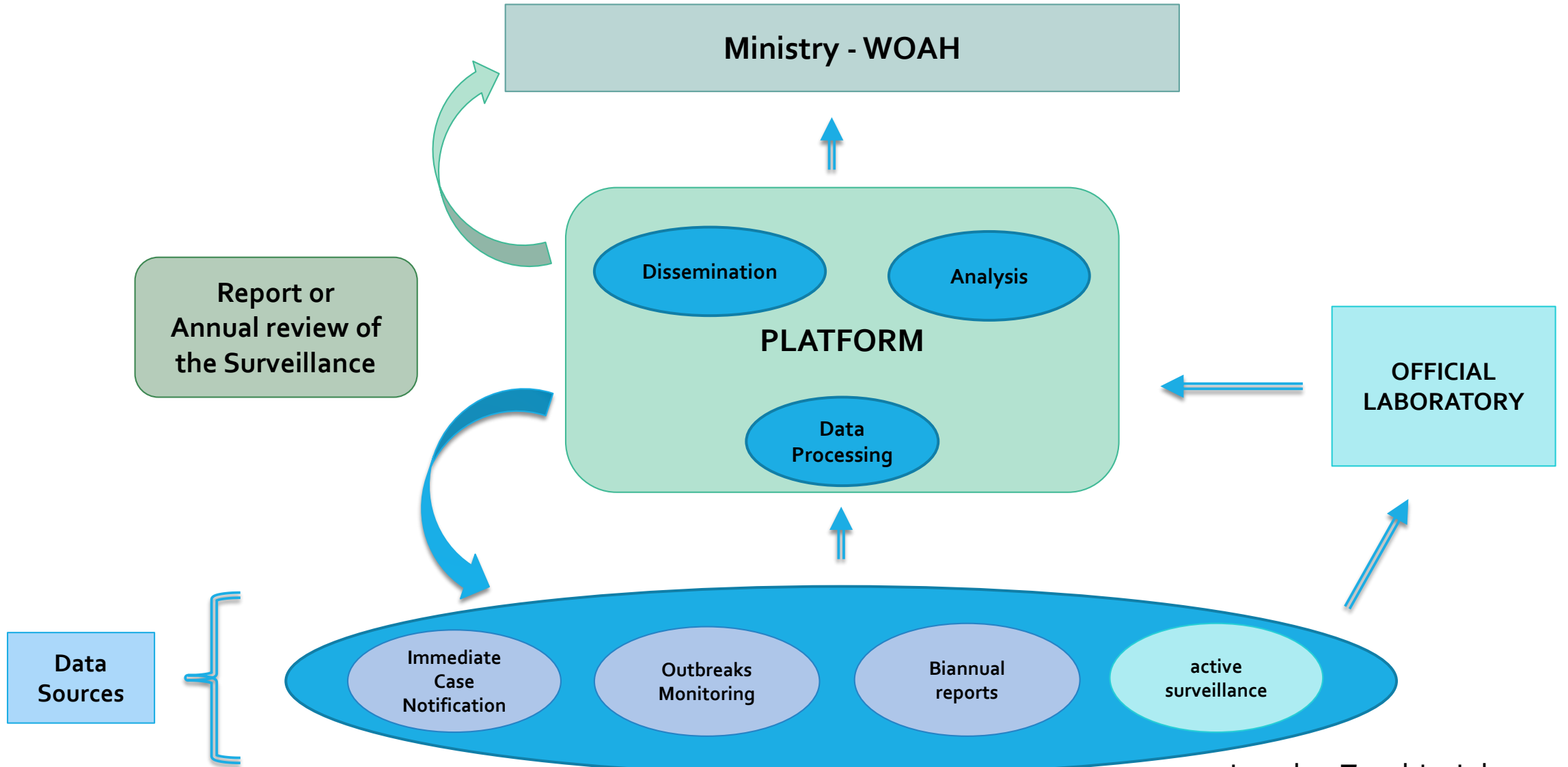
### C- HOW THE MONITORING WORKS



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## II-SURVEILLANCE EPIDEMIOLOGIQUE

### C- MONITORING SYSTEM DATA MANAGEMENT



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### III- OPPORTUNITIES, CHALLENGES and REQUIREMENTS

#### OPPORTUNITIES

- Member of the OMSA
- Member of the SADC
- Regional Aquatic Animal Health Networks
- Existing regulatory bases
- Structured and organised Competent Authority
- Well-structured shrimp aquaculture

#### CHALLENGES

- Include fish disease surveillance in the existing system
- Establishment of a national aquatic animal disease surveillance network
- Improving controls on the importation of live aquatic animals
- Creation of a national database

#### REQUIREMENTS

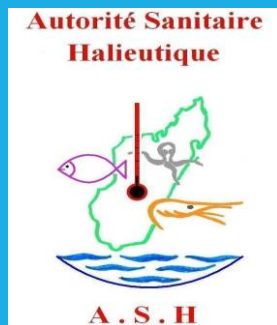
- Training and technical support
- Financing
- Reference laboratory at regional level
- Evaluation of the system already in place (PVS, OASIS, etc.)



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# THANK YOU FOR YOUR ATTENTION

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