



Food and Agriculture
Organization of the
United Nations



Veterinærinstituttet
Norwegian Veterinary Institute

Fish-Vet Dialogue: Exploring Collaboration on Managing Health of Aquatic Organisms

Aquaculture Biosecurity and Health Monitoring

Presented by:

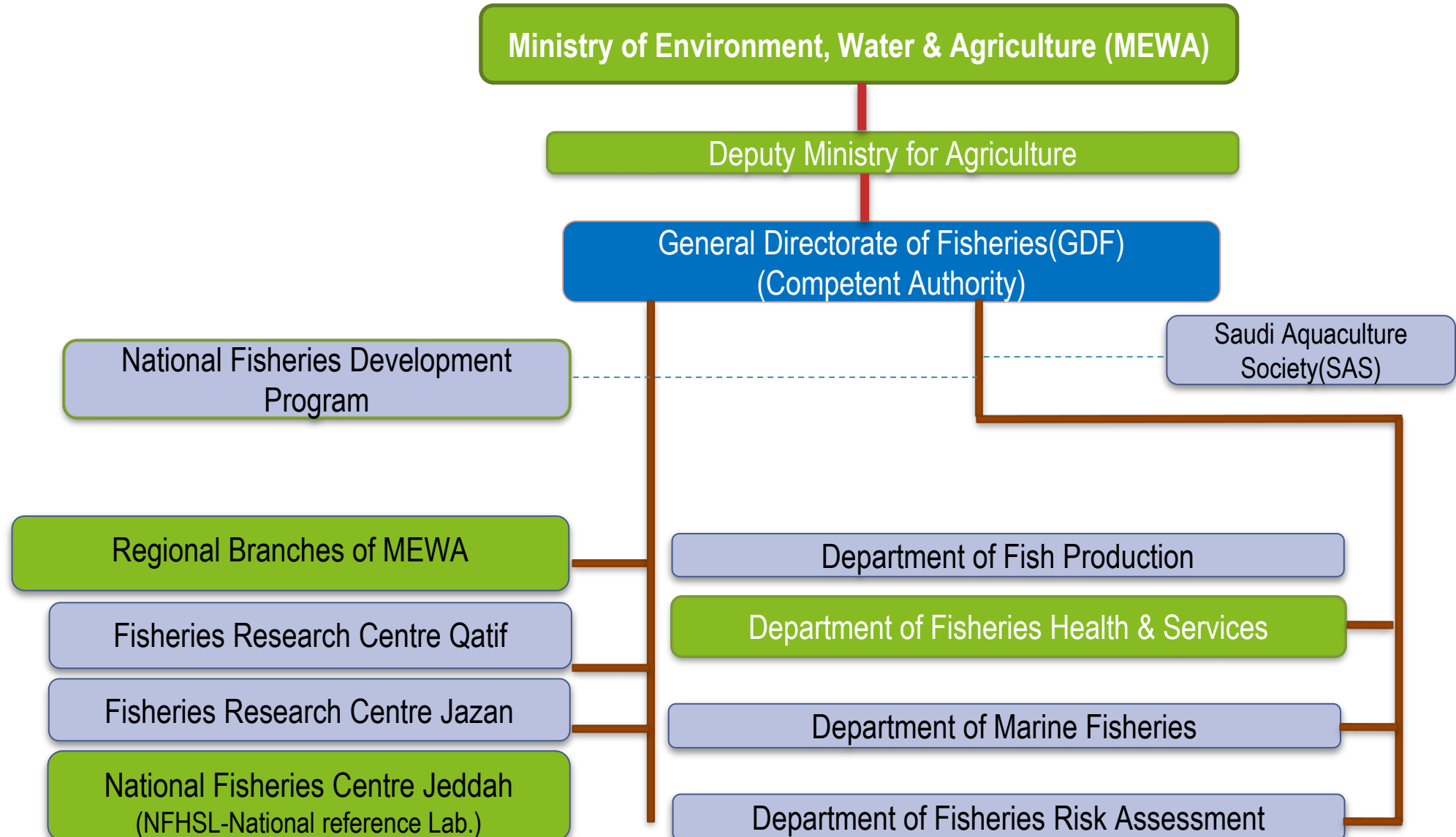


وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture
Kingdom of Saudi Arabia المملكة العربية السعودية



Norad

Organization flow chart



Aquaculture Biosecurity & Health Management in KSA

GDF-MEWA

- Issue aquaculture license
- Aquaculture Regulations
- Inspection of production facilities
- Aquaculture Biosecurity
- Quarterly technical and high level meetings
- Inspection of local and foreign establishments
- Import control
- Health Certificates for animal movement and product exports
- Emergency plan

SAS

- Communication link between MEWA and production facilities
- Samples & data collection for routine surveillance and emergency cases
- Third Party Auditing for biosecurity (pre-stocking and quarterly audit)
- Communication for reporting and emergency responses
- Biosecurity trainings and workshops

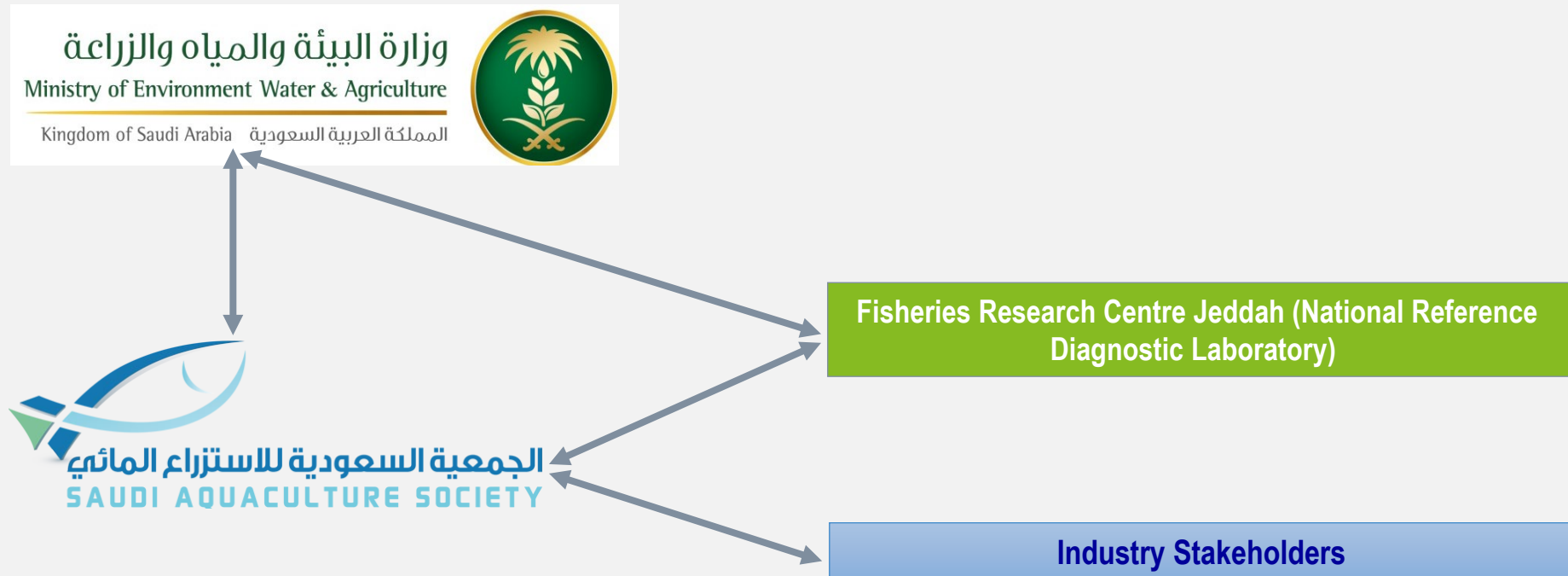
JFHSL

- National Reference Diagnostic Laboratory
- Auditing (onsite) and reporting
- Diagnostic services (PCR, histology, microbiology, parasitology)
- Carry out the surveillance sample and emergency sample analysis

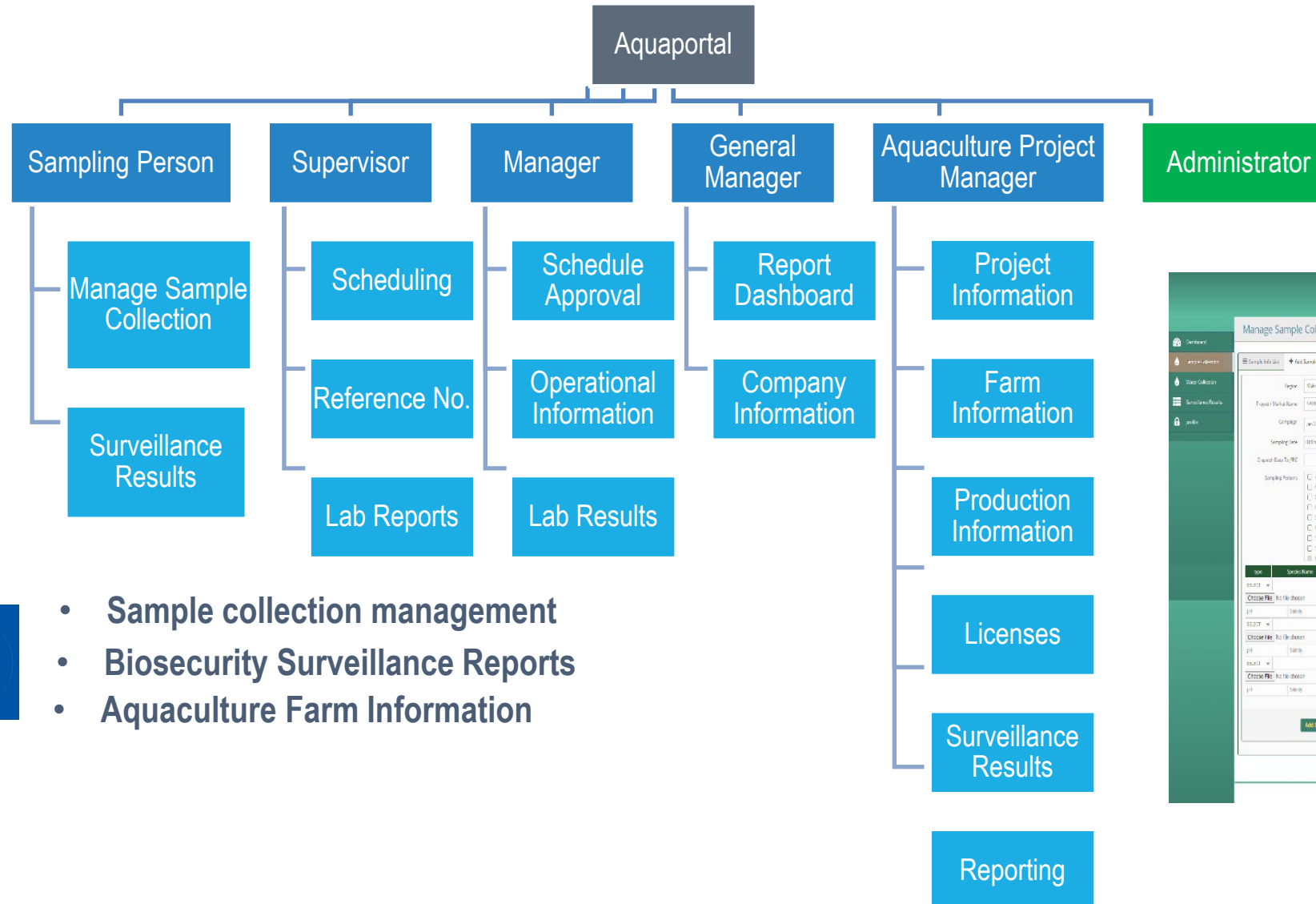
National Aquaculture Biosecurity Program

Surveillance Program aims to support the aquaculture projects through sampling activities and biosecurity auditing, in order to provide technical support to stakeholders, in early detection and monitoring of new invasive pathogens, as well as the sanitary status of aquaculture systems in the Kingdom.

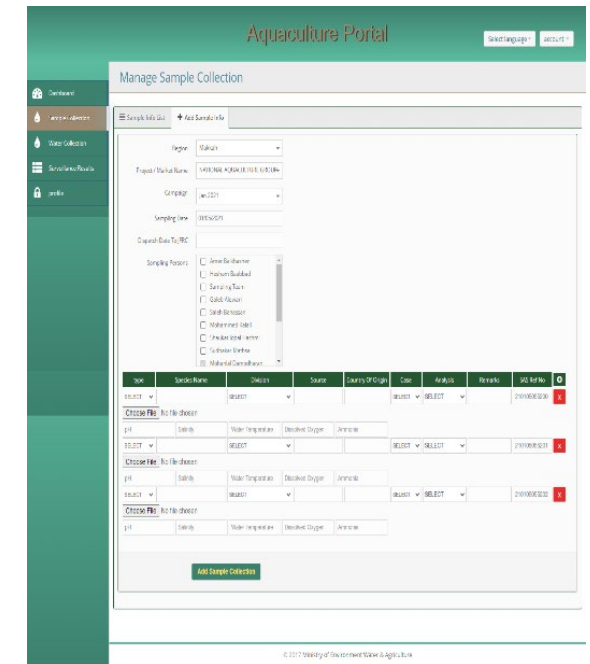
Public Private Partnership (PPP)



Aquaculture Portal (Aquaportal)



- Sample collection management
- Biosecurity Surveillance Reports
- Aquaculture Farm Information



Regulations, Technical Support & Services

Technical information is disseminated to farmers and aquaculture establishments in the form of

- Regulations
- SOPs
- Farming booklets
- Biosecurity sampling handbook
- Biosecurity workshops
- Aquaportal
- And circulars etc.

Aquaculture Regulations in the Kingdom

- National Aquaculture Import Manual
- National Aquaculture Policies and Practices
- National Aquaculture Product Export Manual
- National Biosecurity Manual for Shrimp Culture
- National Fish Biosecurity Manual
- Regulation on Commercial Fisheries



Activities

Surveillance sampling

- Aquaculture Projects.
- Local and Commodity Markets.
- Anti Microbial Resistance (AMR) Analysis.
- Imported Fish and Shrimp Sampling.

Biosecurity auditing

- Monthly to ensure the implementation of SOP's in aquaculture projects.

Emergency response

- Regularly auditing Contingency plan in case of sudden mortalities.

Strengths and Weaknesses

Strengths

- Industry stakeholders are working parallel to government machinery
- All the establishments can raise any query or emergency response through Aquaportal.
- Regional designated teams to support aquaculture activities
- Every agency is given a mandate to implement
- Technical support and services
- Round the clock emergency services
- Research and development along with capacity building

Weaknesses

- Disease introduction through imports
- New emerging diseases around the globe



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THANK YOU

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