



Public Authority for Agriculture and Fisheries

Central DNA Facility for Animals and Plants



DNA Project Justification

- Kuwait lacks a standard DNA reference center for the Plants, animals and fish within its territorial jurisdiction.
- Administrative decisions within the government framework are in urgent need of the scientific support to meet the current regulations and international obligations between the State of Kuwait and international bodies and regional states.
- Current assessments indicate that some of the animals and fish stocks are shared and multi- dimensional, making it impossible to take administrative action without analytical scientific assessments (DNA).



Objectives

- Utilizing the DNA center to provide bio indicators to Kuwait's fish stocks and support the administration of these stocks.
- Distinguishing indigenous fish from seasonally migrating stocks to better understand the structure of fish populations.
- Fulfilling the internationally obligate goal of a comprehensive ecosystem based approach to stock management.



Outcomes

- Initiation of a Comprehensive DNA center for the plants, animals and fish of Kuwait.
- Capacity building and support for National expertise and enhancing the scientific quality of research at national level.
- Providing the scientific justification required to maintain and manage the natural resources of Kuwait's Bio-stocks.



In-house Center Justification

- PAAF is the overseeing organization in agriculture sector.
- State laws, and international obligations govern the handling of data generated.
- DNA projected to become a core system in government research.
- Provides a through point for international research.



Center Location

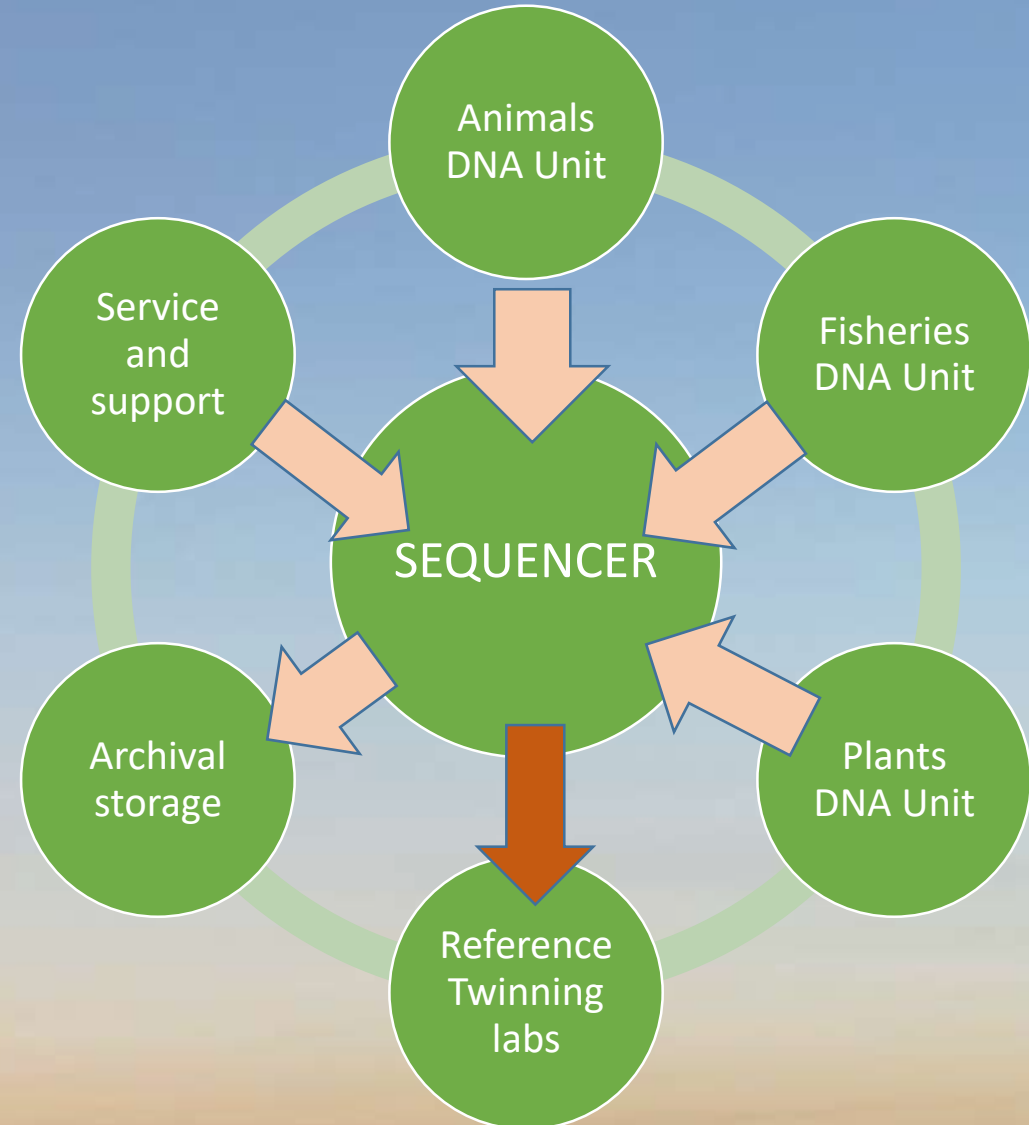
- Within the Amgara central laboratories campus.
- Allocated space exceeds 100m² of lab space.
- Backup generator lines.
- Secure access.
- Room to grow.





Center Structure

- Center operations revolves around the utilization of the equipment.
- Modular design allows for greater efficiency, lowering cost and increasing utilization of center time.





Budget

Item	Total* \$ US (000)	Total KWD (000)
Project Staff, Secondment, General staff and Assistant	520.6	158
International and National Consultants, experts, Technical Translators	1,270.0	385
Contracts, Service Providers	210.0	64
Locally contracted labour (non technical)	290.0	88
Travel	248.5	75
Specialized Trainings	75.0	23
Expendable Procurements	455.0	138
Non-expendable Equipment	1,741.0	528
Hospitality	283.2	86
General Operating Expenses	240.4	73
Project Support Costs	656.3	199
Total Cost (1000 \$ US)	5,990	1,815
<i>* The amount is calculated in \$ US</i>	<i>Exchange Rate used 1 KWD=3.3 \$ US</i>	

PAAF FAO Partnership

