# Fonasba Annual Conference

Green Maritime Transportation Session

# The Aqaba Marine Park (AMP) Project Brief

October 18, 2023

## **Background**\ Strategic Context

 $\rightarrow$  We Are Answering



**Globally** One Unified Healthy Ocean

Levels



Oceans' Key Stressors

Climate Change, Warming, Acidification, Pollution ,Overfishing, & declining Living Conditions

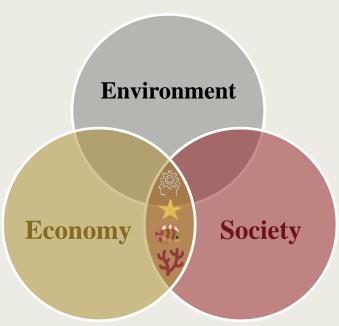
2 What?

Regionally
Unique Red Sea
Environment



→

**Desalination,** *Massive Rush into Economic Projects* & no influential EIAs Sustainable Development & UN Decade of Ocean Science (2021-2030)



Holistic, Integrated & Sustainable Efforts Should be Considered by <u>All</u> for Thriving Future





*The Gulf of Aqaba is a Spark of Hope & Solution for Future*  Water Scarcity, Coastal Development,

& potentials to promote restorative Blue Economy

## Coral Reef Significance ... The Most Precious Resource & Key Global Asset





#### Critical Risks

Corals threatened by **local**, **regional** & **global** threats.



#### Global Way Forward

Vision: High coral cover & diversity will confer a **natural resistance** to elevated sea temperature

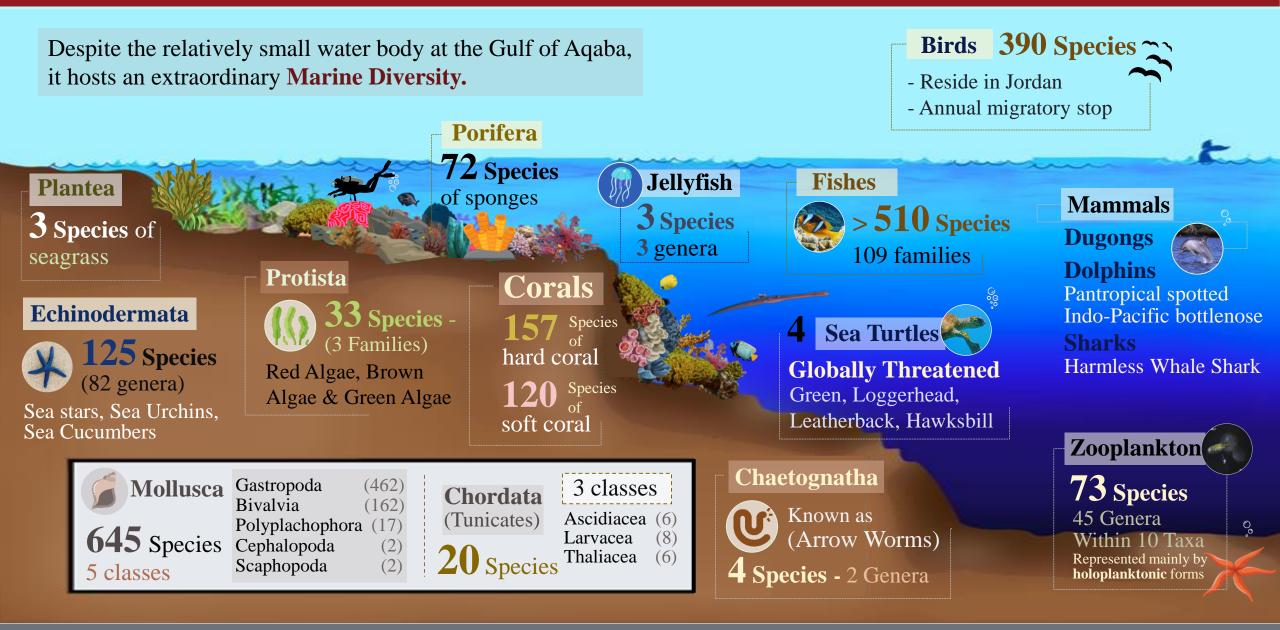
**Restore Viable Coral Reefs Population** 

> Improve Fisheries Sustainability

Reduce Land-based Sources of Pollution, (*Integrated Costal Zone Management Plans*)

Increase Resilience to Climate Change

# **Rich Marine Biodiversity in the Gulf of Aqaba**



### Most Pristine Climate Change- Resistant Corals at the Gulf of Aqaba



## **Leadership Support**

"

Another innovative project is taking place at **Aqaba's Marine Nature Reserve**, where we and international partners will be helping find solutions to ocean climate crises far beyond our shores."

His Majesty King Abdullah II ibn Al Hussein November 2022 - **COP-27** 

HMK's Speech – November 2021- COP-26

We are taking steps to care for a unique marine resource, our resilient coral reefs in the Gulf of Aqaba. We have designated a protected nature reserve, and with your support, will be able to leverage learnings about effective climate change mitigation and adaptation, by establishing a marine science and research park in Aqaba to help marine areas at risk across the globe, and increase knowledge sharing on water, energy, and environmental research.



## **AMP Strategy**

### Vision

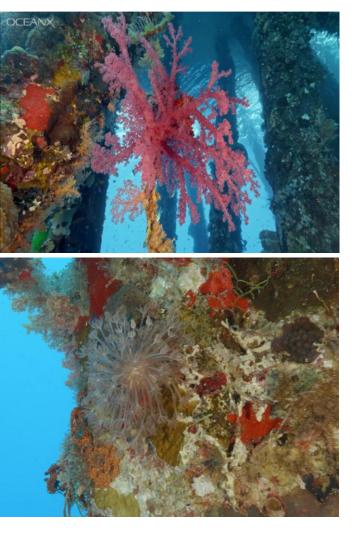


A world where humankind works in partnership with nature to celebrate and restore our blue planet and create a thriving future for us all.

### **Mission**



To establish the Aqaba Marine Park as a unique destination, combining pioneering science with conservation, tourism and awareness in order to support the international fight against climate change and create a global model of marine stewardship and a restorative blue economy



### Components







#### **Public Aquarium**



### **AMP Objectives**





**Promoting** the conservation and sustainable use of the Aqaba Gulf's pristine coral reef ecosystems.



**Supporting** the coral reef restoration efforts world-wide.



**Providing** an international marine research hub to pioneer science-based applied solutions.



**Facilitating** the development of new & sustainable marinebased products & industries.



**Providing** visitors exciting & immersive touristic & educational experiences of the marine world.

### The Aqaba Marine Reserve ... An Outdoor Protected Laboratory for the Science & Innovation



Extends over (7 Km) out of (26.5 Km) total shorelines, which represents (26.4%) of the total coastline length the only sea window for Jordan.



(2.8 Km2) out of (96 Km2), which represents (3%) of the Jordanian Territorial seawater area.



Terrestrial boundary lies (50 m) east of the Mean High-Water Mark (MHWM) and the marine boundary lying (350 m) west of the MHWM.





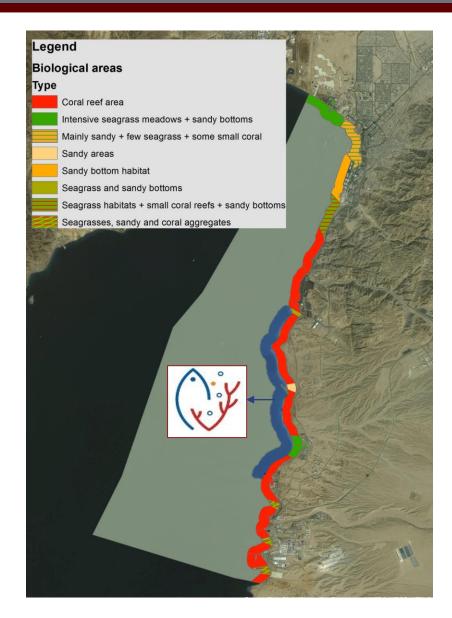
ManagementPlanbeingexecuted for (2022-2026), withseed support of ( $\in$  3.5 M).





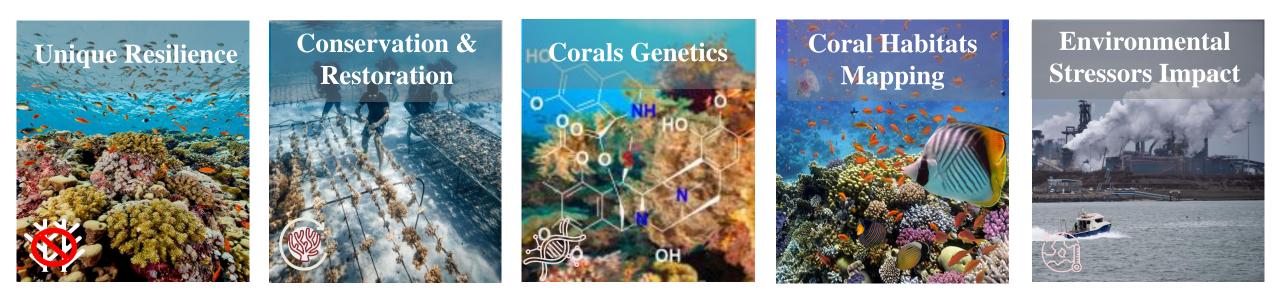






 $\sqrt{\text{Tentative World Heritage List (Feb. 2023).}}$ 

### **AMP's Science and Technology Functions**

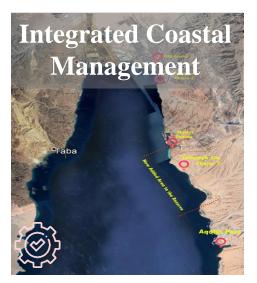




## **Marine-derived Products**









### **AMP's Aquarium ...** Promote the Value of the Aqaba Reef Ecosystems



## **International Honorary Advisory Board for Aqaba Marine Park (AMP)**



Mr. James Murren

Chairman of the COVID-19 Response, Relief & Recovery Task Force at State of Nevada- USA



**Prof. Jean Jaubert** 

Marine Biologist\ Former Director of the Monaco's Oceanographic Museum, University of Nice- France.



**Prof. Bernard Salvat** 

Emeritus Professor. Perpignan University -France



Mr. James Cameron

Explorer; Environmentalist; Filmmaker

Ms. Maria Wilhelm

Executive Director of the

and President & COO of

**Dr. Jean-Pierre Gattuso** 

**Bio-Geosciences Expert**,

Laboratory Oceanography,

Foreign Relations. Professor of National Security, University of Texas at Austin

Admiral. Prof. William

H. McRaven (Retd.)

Board member, Council of



Mr. Samuel Harp

Vice President for Advancement Avatar Alliance Foundation. and Chief Marketing Officer, Woods Hole Oceanographic CAMERON Companies- USA Institution - USA



Dr. Nadia Ounais

Vice President, Oceanographic Institute. The Prince Albert I of Sorbonne University- France Monaco Foundation - Monaco



Mr. William "Bill" Doyle

Chairman of the Board of Directors of Georgetown University - USA



**Prof. Ove Hoegh-**Guldberg

Director, Centre for Excellence in Coral Reef Studies, University of **Oueensland-** Australia



Dr. Didier Zoccola

Molecular Biologist. Monaco Scientific Centre-Monaco



Dr. Robert D. Ballard

President of the Ocean Exploration Trust and an Explorer-at-Large for the National Geographic Society



**Prof. Peter R. Girguis** 

Organismic & Evolutionary Biologist, Co-Director of Microbial Sciences Initiative. Harvard University- USA



**Prof. Anders Meibom** 

Director, Transitional Red Sea Center- EPFL, Institute of Earth Sciences. University of Lausanne-Switzerland



Mr. Mark Rav Dalio

Founder, Creative Director of the OceanX Initiative- USA



**Prof. Vincent Pieribone** 

Co-Chairman of OceanX; Professor at Yale University. Director and Fellow of The John D. Pierce Laboratory- USA



Dr. Dureid Mahasneh

Chairman of Edama. Water, Energy & Environmental Expert-Jordan



Mr. Philippe Cousteau

Co-Founder of EarthEcho International. Azure Worldwide. and AdvisorShares Global Echo ETF Exchange - USA



Prof. Claude Bouchon

Emeritus Professor. Eco Reef Environment. University of the French West Indies



Mr. Ziad Abu-Jaber

**Business Development** Expert-Jordan



