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

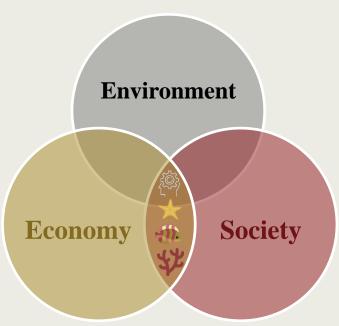
2 What?

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

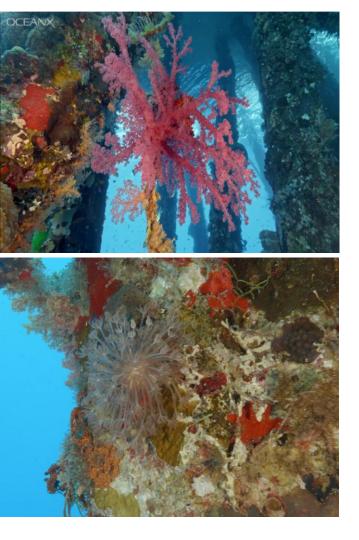


A world where humankind works in partnership with nature to celebrate and restore our blue planet and create a thriving future for us all.

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.





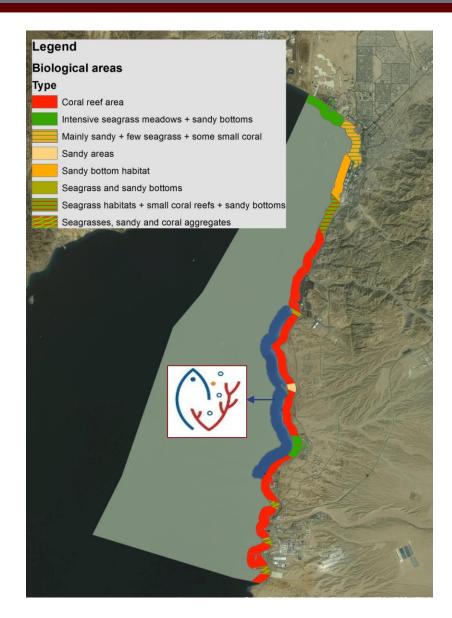
ManagementPlanbeingexecuted for (2022-2026), withseed support of (\in 3.5 M).





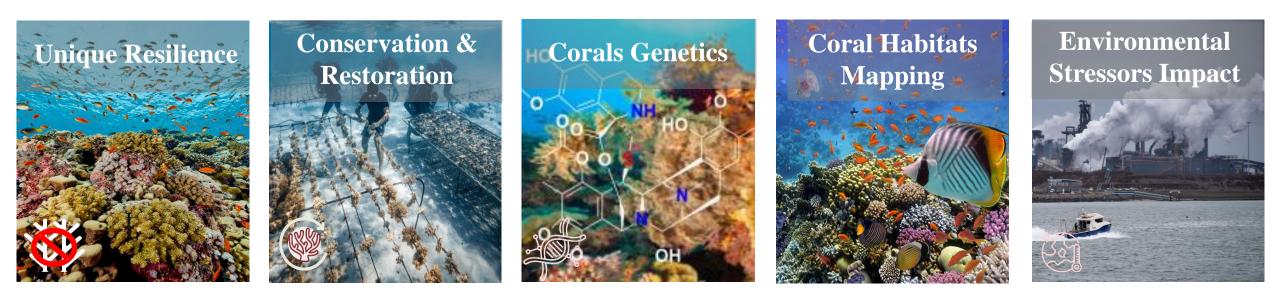






 $\sqrt{\text{Tentative World Heritage List (Feb. 2023).}}$

AMP's Science and Technology Functions

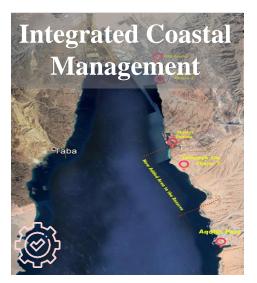




Marine-derived Products









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



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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



