

# AL SIDRAH

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## "Environment & pollution" lecture

EPDA organized a lecture about "Environment & pollution" in Al Rahma and Al Bashaer Kindergarten. EPDA had also distributing 100 trees "Qart" to the two schools within one million and one tree initiative, and the trees growth will be monitored by EPDA. In addition, the indoor air quality had been measured in both schools and they have been advised on how to maintain quality and purity of the air within their school.

## "Soft Monitoring" Initiative

EPDA launched for the second time in a row "Soft Monitoring" initiative which reflects the belief in the importance of fisheries, and concern for the protection of living resources in the fish markets. This activity is carried out by local female staff. The initiative encourages EPDA local female staff to engage in the field of inspection on the fish markets to ensure the implementations of marine environmental laws and regulations by the fish sellers.



## Introductory Workshop on: "Outstanding School in the Sustainable Environment"

EPDA organized an Introductory Workshop on "Outstanding School in the Sustainable Environment" which is a category comes under RAK-Award for Educational Excellence. Dr. Saif Al Ghais, Executive director of EPDA had explained the importance of this award in building conscious responsible generation that contributes to environmental protection and preservation

## «Environmental Chair» Initiative

On the directive of the President His Highness Sheikh Khalifa bin Zayed Al Nahyan, to declare 2016 as 'Reading Year.' EPDA launched an «Environmental Chair» initiative, as a supportive initiative to read, through the distribution of the chair supported with library included books for local and federal authorities in the emirate.

The chair has a set of books donated by the Authority, this initiative aims to deliver library service to various places. In addition , promoting literacy skills among the various members of the community to help raise the cultural level and raise the awareness of individuals.



## New hostels for the Fishermen workers in Khor Khwair and Shaam fishing ports.

New hostels have been received by EPDA in Khor Khwair and Shaam fishing ports. These accommodations will host around 672 fishermen and will give them a storage facility for their fishing equipments and gear instead of leaving it in public places. This step will provide the fishermen with all the important facilities they needed to maintain the safety of their workers and equipments.



## Fishermen Forum

Executive Director of EPDA Dr. Saif Al Ghais and EPDA's Fisheries staff attended fishermen forum which was organized by Critical Infrastructure and Coastal Protection Authority, Which aims to raise awareness among the fishermen about fishing laws, importance of the use of the security and safety equipment during navigation as well as the dissemination of national awareness to preserve the marine environment. Dr. Saif Al Ghais discussed the fishermen problems and suggestions in order to provide all the facilities for them.



## Four boats and 148 tons of waste dragged from Al Rams Port

Under the patronage of EPDA, Environmental Oxygen Team organized cleaning campaign in Al Rams Port, as part of a cleaning series campaigns for RAK ports under the slogan "blue ports". A group of divers volunteered in extracting 148 tons of marine waste and recovered four boats from Al Rams Port. Public Works and Services Department, Ras Al Khaimah Fishermen Association, Police General Headquarters of Ras Al Khaimah Ambulance and Rescue Department, Emirates Team diving volunteering, Al Nokatha Diving Team, Zaman Diving Team, Dubai Diving Team and other divers and volunteers participated in the campaign.



## Partnerships public and private sectors play a pivotal role in the success of the preservation

### of green turtles in the Gulf Initiative

Emirates Wildlife Society confirmed in collaboration with the World Wide Fund for Nature, the importance of partnerships with the public and private sectors, and its central



role in the protection of marine habitats and species in the Gulf region, also renewed its partners commitment in each of the United Arab Emirates and the Sultanate of Oman toward the preservation of green turtles in the initiative The Arabian Gulf. The initiative has been launched in the month of May 2016, where he has since made remarkable progress having been tracked 24 green sea turtle on the shores of the UAE and Oman. Given that the initiative aims to preserve the marine endangered species important in the UAE and the region and habitats, urges the Emirates Wildlife Society agencies and bodies in the public and private sectors to take the necessary and funding procedures initiative with the continuation of the region to achieve accomplishments in this area.

In just its first year, the list included the initiative on scientific research of eight partners, gathered together a common vision based on the protection of the marine environment in the Arabian Gulf Marine and the surrounding area. The list included the eight partners of the Ministry of climate change and the environment in the UAE, the Ministry of Environmental Affairs and climate - the Sultanate of Oman, the Environment Agency - Abu Dhabi, the Environmental Protection Agency and Development in Ras Al Khaimah, Environment and Protected Areas Authority in Sharjah, ESO, Five Oceans Inc. Environmental Services and the Foundation for marine research

### Virtual 'safari' at Abu Dhabi airport

Travelers jetting off around the world from Abu Dhabi International Airport can be transported straight into the wild without ever taking off from the ground.

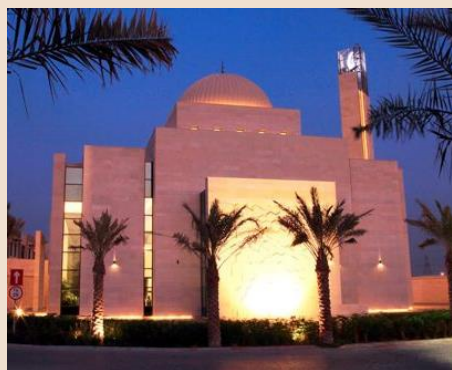
A booth set up in the Terminal 1 departures area allows jetsetters to visit a virtual reality wildlife world created by using HoloLens technology.



With the help of a holographic computer, the curious can experience simulated interactions with wild animals in their natural environment, and hopefully learn something about protecting endangered species.

The virtual reality booth is run in partnership by the United for Wildlife organization and the Ministry of Climate Change and Environment as part of the Beautiful in the Wild campaign.

Abu Dhabi Customs staff are trained in the international environmental agreements such as the Convention on International Trade in Endangered Species of Wild Fauna and Flora (Cites), to which the UAE is a signatory and which makes the trade of endangered animals without a permit illegal.

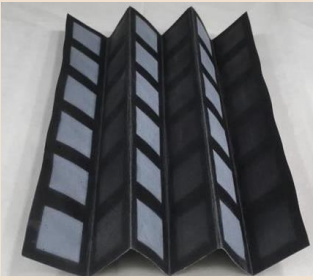


### Green and sustainable attributes of a mosque in the city

"Diamond Developers" announced the company responsible for the development of "sustainable city", the first integrated sustainable complex global levels in Dubai, for the official opening of a mosque green specifications in sustainable city in the presence of a delegation from the General Authority for Islamic Affairs and Endowments and a number of the city's residents and visitors.

This mosque was built on a total area of 10 thousand square feet, with a capacity of carrying 700 worshippers. The advantage of building an innovative and enhanced design techniques and modern advanced

aims to reduce the environmental footprint, including lighting techniques to reduce energy consumption by 90%, and the positions of the shaded cars with solar panels, and control system in the internal and external environment, the more other features



### **Bacteria-powered battery made from a single sheet of paper**

For a long time scientists have been experimenting with microbial fuel cells and finding new applications for them. A microbial fuel cell uses the electrons that are released from bacteria as they feed on organic waste to produce electricity. Researchers from Binghamton University have found a way to house that process in a foldable, paper-based battery. The small paper construction means that the battery can be paired with low-power biosensors and safely disposed of

when its job is done. It can also be made for pennies.

The paper battery could be used in disaster relief, on battlefields or in medical clinics in remote areas -- anywhere that low-power devices need electricity and microbes are present. They could also be used to detect pathogens and toxins in the environment.

### **Birds migrating earlier as temperatures rise**

Migrating birds are arriving at their breeding grounds earlier as global temperatures rise, a study has found. Birds have reached their summer breeding grounds on average about one day earlier per degree of increasing global temperatures, according to the research by Edinburgh University. The study looked at hundreds of species across five continents.



Reaching their summer breeding grounds at the wrong time - even by a few days may cause birds to miss out on maximum availability of vital resources such as food and nesting places.

Late arrival to breeding grounds may, in turn, affect the timing of offspring hatching and their chances of survival.

Long-distance migrants, which are shown to be less responsive to rising temperatures, may suffer most as other birds gain advantage by arriving at breeding grounds ahead of them.

It is hoped it will help scientists predict how different species may respond to future environmental change.

### **Giraffes suffer 'silent extinction' in Africa: Red List report**

Giraffe numbers have declined by as much as 40 percent since the 1980s in a "silent extinction" driven by illegal hunting and an expansion of farmland in Africa, the Red List of endangered species reported on Thursday.

Populations of the world's tallest land creature fell to about 98,000 from an estimated 152,000-163,000 in 1985, according to the List compiled by the International Union for Conservation of Nature (IUCN).

The Red List rated the giraffe "vulnerable" to extinction on current trends for the first time, against a previous rating of "least concern". It said the plunge in numbers in large parts of sub-Saharan Africa had gone largely unnoticed.



Giraffes are at risk from the expansion of farmland to feed a rising human population and from killings for their meat, often in areas of conflict such as South Sudan, according to the IUCN, which groups scientists, governments and activists.

Among other changes on the list, the African gray parrot - famed for its skill in mimicking human speech - was rated endangered, one step worse than its earlier category as vulnerable. Trapping for the pet trade has driven down numbers.

The Red List, the main global authority on risks to animals and plants, said 24,307 of 85,604 species assessed in recent decades were in danger of extinction.

U.N. studies say that man-made threats, led by the loss of natural habitats, may herald the worst extinction crisis since the dinosaurs were wiped out 65 million years ago.

# Strategic Plan of EPDA 2015-2017

## VISION

Protection of the environment & sustainability of resources.

## MISSION

Uniqueness in providing, monitoring and environmental awareness services through the application of laws and regulations and investing relationship with partners and conduct studies and research that contribute to the protection of our natural resources

## Institutional values



Continuous improvement

Internal communication

Quality

Transparency



Team work



## Strategic goals

- Strengthening of the policies and legislation and environmental studies and research
- Strengthening environmental monitoring to improve the quality of life and reduce pollution levels
- Increasing environmental awareness and encouraging environmentally responsible actions
- Providing protection and sustainable management of biodiversity and natural resources
- Improving customer service and excelling in service delivery
- Strengthening the relationship with partners and the community
- Developing of institutional support services and strengthening a culture of innovation and institutional innovation.