

# ENVIRONMENTAL EDUCATION: STRENGTHENING ENVIRONMENTAL STEWARDSHIP AND SOCIAL RESPONSIBILITY

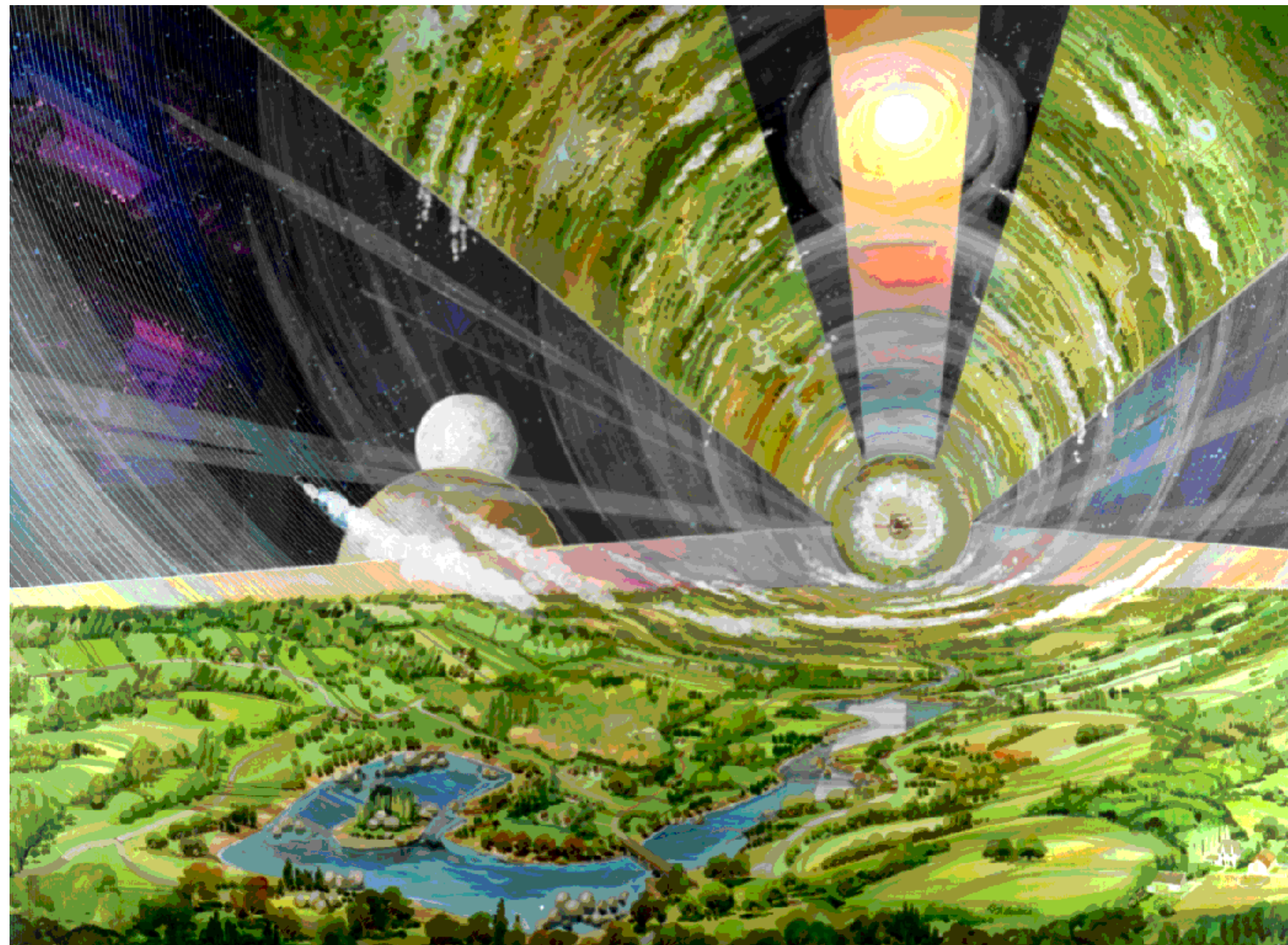
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UNESCO REGIONAL BUREAU FOR SCIENCES IN THE ARAB REGION  
CAIRO- EGYPT

Regional Consultation on the Environment and Natural Resources for the 2019 Arab Forum for Sustainable Development  
February 27-28, 2019 | Four seasons hotel Cairo, Cairo- Egypt

# ENVIRONMENTAL EDUCATION

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“EE aims at producing **citizenry** that is knowledgeable concerning the biophysical environment and its associated problems, aware of **how to help solve** these problems, and motivated to work toward their **solution**”.

Dr. Stapp, University of Michigan, 1960s



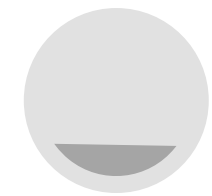
# ENVIRONMENTAL EDUCATION DIMENSIONS

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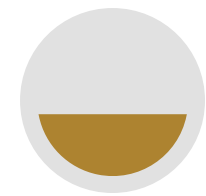


# GOALS OF EE

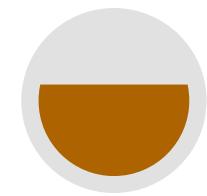
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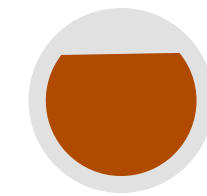
Awareness



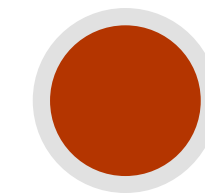
Knowledge



Attitude



Skills



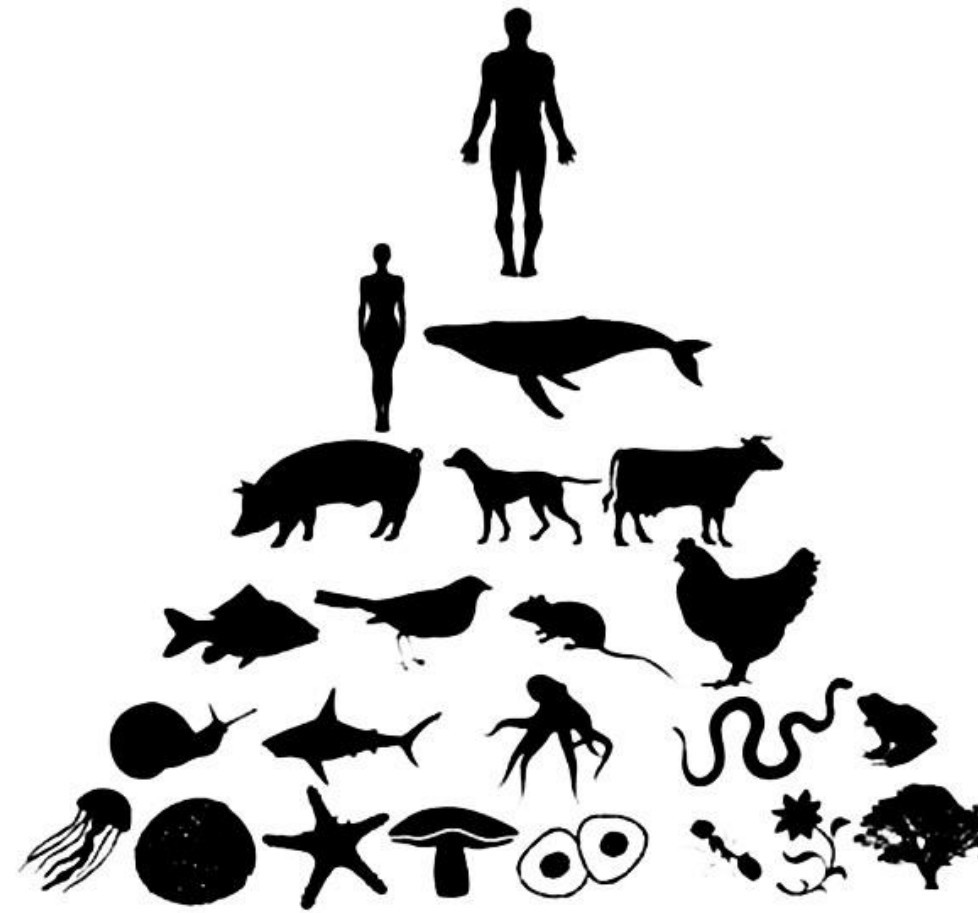
Participation



1. To provide every person with opportunities to acquire the knowledge, values, attitudes, commitment, and skills needed to protect and improve the environment;
2. To create new patterns of behavior of individuals, groups, and society as a whole towards the environment.

# 'REPOSITION HUMAN' IN THE NATURAL WORLD

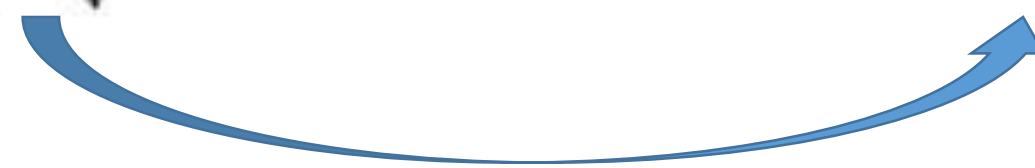
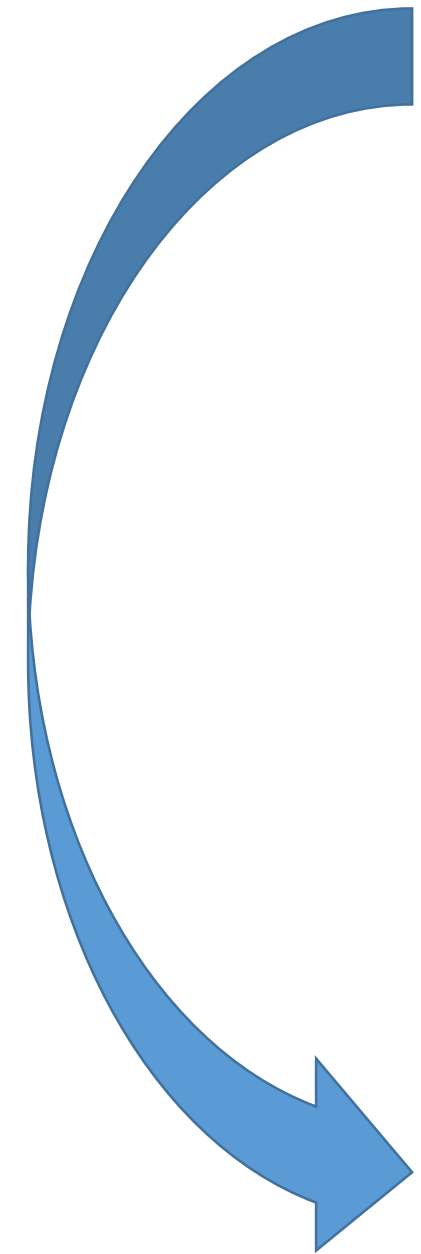
ANTHROPOCENTRIC/EGOCENTRIC



BIOCENTRIC



ECOCENTRIC



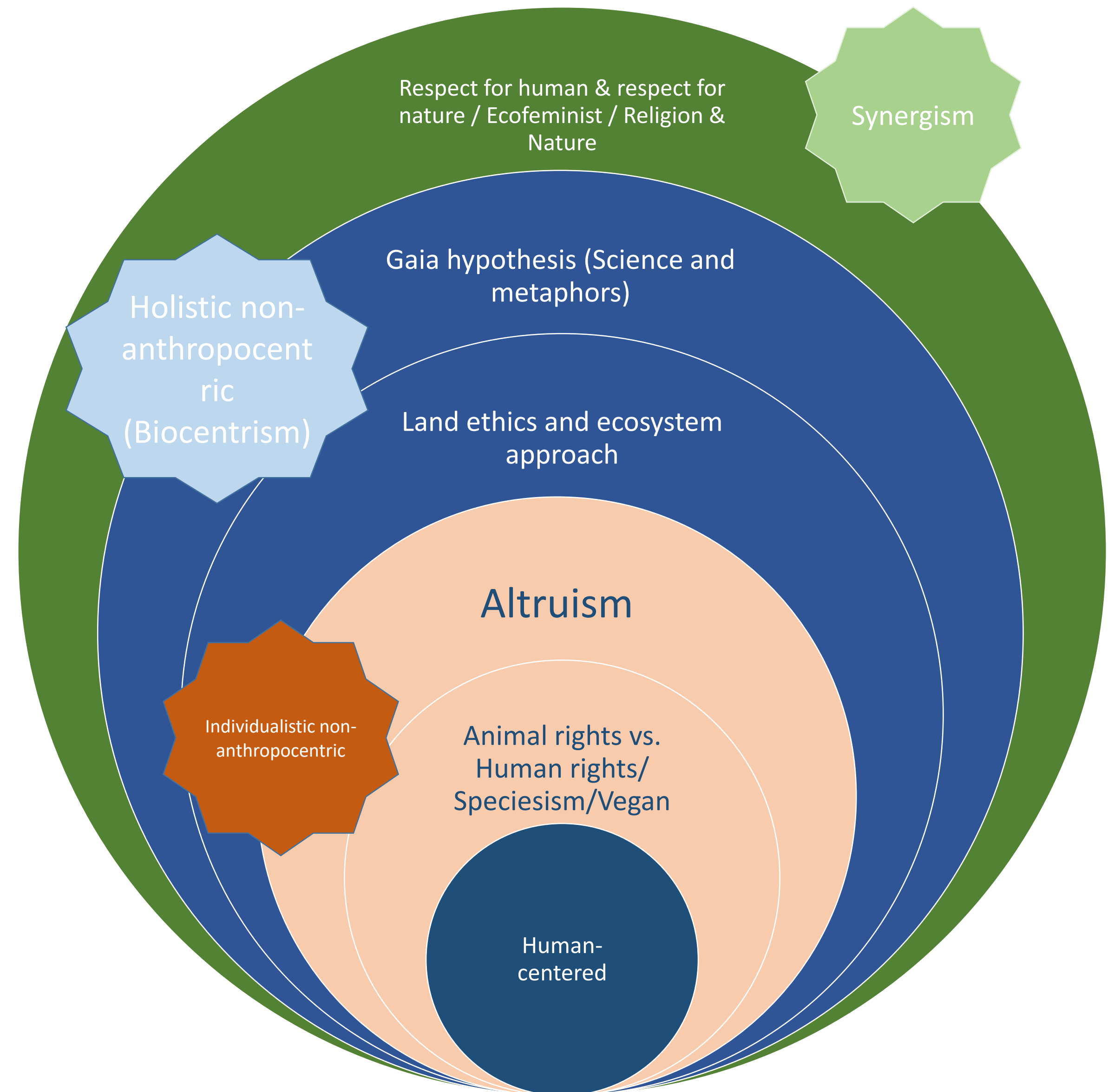
# 'REPOSITION HUMAN' IN THE NATURAL WORLD

To *cultivate* a sense of belonging to nature and to *unfold* the importance of the environment and biodiversity.

We are striving to bring to the conscious of people that:

*'Biodiversity enriches our lives because it enriches our extended self and thus brings us greater self-realization!  
It is essential for our personal growth'.*

*(Arne Naess)*



# 'REPOSITION HUMAN' IN THE NATURAL WORLD

- SOLIDARITY
- RESPONSIBILITY
- CARING FOR NATURE AND ALL SENTIENT BEINGS

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UNESCO



PROGRAMMES & ACTIVITIES

# KIDS & WATER EDUCATION

## Cartoons



## Games on Social Media



# KIDS & MARINE ENVIRONMENT

## UNESCO Little Arab Explorer Arts & Sciences

**A call for kids to protect Life in the Seas of Egypt!**  
 You, as UNESCO Little Arab Explorer, are invited to use your creativity and skills to reconnect with the Marine Life in Egypt by choosing to be one of the UNESCO Arab Little Explorers. You can decide to be a Little Natural Scientist, Little Genius, Little Artist, or a Little Artisan. So you can choose to express yourself through an artistic expression including drawing, sketching, painting the seascape and marine plants and animals or molding any living creature. While being inspired by the pictures on the screen displayed in UNESCO booth, you will try to connect with your preferred plants growing along the coast, in the sea or on the seafloor; spot, chase and communicate with your birds; and to imagine which of the marine and coastal ecosystems would be your hometown to inspire you to work for one hour and a half on producing your Artistic Expression.

Date: April 14-15, 2018  
 Time: Starting 9:00 AM | Session duration: 1 hour 30 minutes  
 Venue: Bibliotheca of Alexandria

**For more information please contact:**  
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 www.unesco.org/new/en/cairo

Bibliotheca Alexandria  
 Planetarium Science Center  
 Chabty 21526, Alexandria, EGYPT  
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 F: +203 4820464  
 www.bbalex.org

**UNESCO Little Arab 'Explorer'**  
 Arts and Sciences of the Marine life in Egypt  
 Re- connecting people to nature

**UNESCO Little Arab 'Explorer'**  
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**Our Seas & Oceans!**  
 Life in the Seas and Oceans is at the origin of our existence. Seas and Oceans are sources of our food and medicines, and they provide a set of regulation, supporting and cultural services. They have always embedded mysteries for naturalists and biologists, scientists and scholars, engineers, navigators and explorers. The 'bluescape' has never stopped inspiring artists and artisans, and more simply coastal dwellers with strong sense of belonging and identity to the sea, and mountain's inhabitants with their perpetual longing for the blue horizon!

**UNESCO-Cairo at the Science Festivity 2018**  
 Organized by the Bibliotheca of Alexandria, Science Festivity has evolved since 200 with the main objective of raising public awareness on the importance of outreach to community and citizens as a complementing tool to formal science education. In its 11th edition this year, the Science Festivity 2018 is celebrating Marine Life with an ultimate aim to encourage visitors to think, learn, and be active citizens to revive the value of Marine Life in Egypt.

During the 2-days event, the Conservation Pulses (CPI) of the UNESCO Regional Office for Sciences in the Arab States, invites kids to become 'UNESCO Arab Little Explorer' to navigate the Mediterranean Sea and dive in the Red Sea and we 'll hold their hands' for a walk along the coastline in Omayed UNESCO Biosphere Reserve (BR). At two steps west of Alexandria, Omayed BR is a mix of warm desert and Mediterranean coastline and sea. It features ancient dunes and an inland plateau. The BR hosts threatened plant species such as Egyptian autumn crocus and Sea daffodil lily. Its sea is home to Green turtles and dolphins.

CPI is a multi-sectoral and inter-disciplinary initiative of the UNESCO Regional Office for Sciences in the Arab States in Cairo, bringing together the Ecology and Earth Sciences Programme and Social and Human Sciences Programme, among others. CPI aims to establish a regional community striving to reconnect people with nature through Arts and Sciences in order to "Live in harmony with nature".



مستكشف اليونيسكو العربي الصغير  
 علوم وفنون الحياة البحرية في مصر  
 تجسيد التواصل بين الإنسان والطبيعة  
 عالم صغير للعلوم الطبيعية

مستكشف اليونيسكو العربي الصغير  
 علوم وفنون الحياة البحرية في مصر  
 تجسيد التواصل بين الإنسان والطبيعة  
 الفنان الصغير

**UNESCO Little Arab 'Explorer'**  
 Arts and Sciences of the Marine life in Egypt  
 Re- connecting people to nature  
 The Little Genius

**UNESCO Little Arab 'Explorer'**  
 Arts and Sciences of the Marine life in Egypt  
 Re- connecting people to nature  
 The Little Artisan

**The Little Artisan**  
 You, as a little artisan, are enduring to merge arts with science and to outreach to society while crafting your aspiration and using your skills to popularize marine living creatures and sea products among tourists. You might pick up any attractive feature from the Mediterranean and Red Seas and in Omayed UNESCO Biosphere Reserve to present them to local and international tourists to remind them of the unforgettable moments spent in Egypt. Without knowing, you are a mix of little artist, biologist and engineer, crafting what your senses capture to connect people to the places they visit and try to create an identity to the Marine Life in Egypt.

Whatever you choose, you will draw, sketch, paint or mold it!  
 You have 1 hour and 30 minutes to work on your artistic expression!  
 Date: April 14-15, 2018  
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# STUDENT AWARENESS & WATER EDUCATION



# STUDENT ATTITUDES VIS-À-VIS WATER



# GIRLS & KNOWLEDGE ABOUT WATER

In partnership with Misr El  
Kheir Foundation  
School drop out girls



# SYRIAN REFUGEE, ZAATARI CAMP, JORDAN

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# YOUTH & WATER

## Caricature exhibition on Facebook

  **Cairo Office**  
مكتب القاهرة  
United Nations Educational, Scientific and Cultural Organization  
منظمة الأمم المتحدة للتربية والعلم والثقافة

  
معرض كاريكاتير المياه

**معرض كاريكاتير المياه**  
**على موقع التواصل الاجتماعي**  
**الـ Facebook**

للمشاركة انضموا إلينا على مجموعة المعرض  
لإرسال الأعمال الفنية على البريد الإلكتروني  
watercaricaturestock@yahoo.com

المعرض من الفترة ١٥ أكتوبر ٢٠١١ ويستمر حتى ١ مارس ٢٠١٢

تنبيه هام / رجاء قراءة شروط وتفاصيل المشاركة



watercaricaturestock@yahoo.com



watercaricaturestock@yahoo.com



watercaricaturestock@yahoo.com



# YOUTH & ENVIRONMENTAL ETHICS

## International Youth Day – Abu Qeer, Egypt

-  Awareness
-  Knowledge
-  Attitude
-  Skills
-  Participation



# TEACHERS & WATER EDUCATION

## Teaching guidelines and tools for the Arab region

Regional workshops  
(Amman and Beirut)

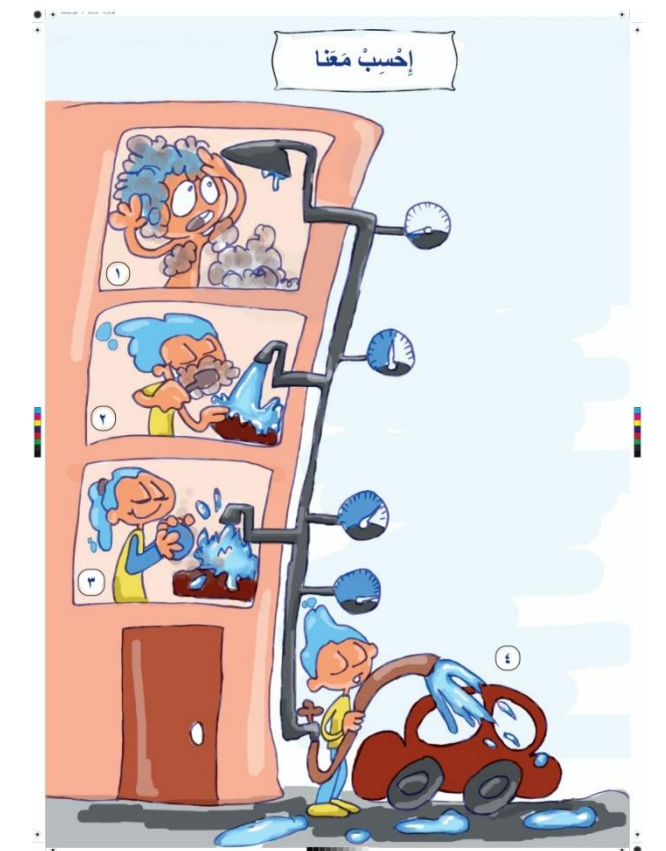
Scenarios for Class activities  
Thematic proprieties

Comments on guideline  
Outline of long-term strategic initiative  
Commitments for pilot testing of guideline



Regional workshops  
School students (8-12 years)

Preparation of Grade 1-6 Material Workshop  
(Cairo, 2015)  
Experts + Artists: Modules (activities),  
Coloring and game booklet and Classroom  
posters  
Follow up: Modules and teachers' toolkit for  
upper grades  
Region-wide Dissemination  
Interactive Activities including ones suitable for  
disabled people



# TRAINING OF TRAINERS

## Applications:

Over 100 Schools in

Egypt, Jordan, Lebanon, Oman, Palestine, Iraq, Sudan

More than 2500 Schools students enrolled



Neveen Omar  
Just now • 0

كنز المدفون الجزء الأول (نشاط رقم 9):

هو عنوان ورشه العمل التي اقيمت في مدرسة اد/احمد زويل الإعدادية للبنات وتناولت الورشه مناقشة دورة المياه في الطبيعة تلا ذلك اجراء تجربه معملية توضح أنواع التربه ودرجة امتصاصها للماء و كيف تستطيع التربه أن تخزن الماء وفكرة مبسطة عن المياه الجوفية وكيف تتكون وتتجمع ثم مناقشة في كتيب " انا والماء ". شاركت في الورشه اليوم الاستاذة/ايمن ذكي معلم خبير علوم ومنسقة اليونسكو بالمدرسة/نيفين عمر.



# UNIVERSITY & SUSTAINABILITY



Education for Sustainable Development (ESD)  
Infusing sustainability principles in university  
curriculum (UNESCO Regional Office for Education -  
Beirut and NDU)

- Economics
- Engineering
- Ecology
- Environmental Ethics

# CHALLENGES

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How to cultivate a culture for EE?

Changing the social fabric

Bring informal education into national curriculum

Systemic capacity needed, not only individual capacity (students, teachers, etc.)

Ways to engrain the principles learned in the daily life

Stand-alone events related to projects / complementarity and integrated within system /

Sustainability of those activities/part of a lifelong learning

Individual economic losses versus benefits of environmental management

Strong political decision to integrate EE in the Learning objectives of schools and university curricula



THANK YOU!



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