WEEC 2013
Seventh World Environmental Education Congress
MARRAKESH, 9 - 14 JUNE 2013

‘Educational Activities’
in the exhibition space of the
Palais des Congres

weec2013.org
Under the Eco-Schools program, initiated in 2006 by the Mohammed VI Foundation for the Protection of the Environment, in partnership with the Ministry of Education for the benefit of primary schools, several projects are carried out by registered schools program, addressing one of the five main themes: Water Saving, Energy Saving, Waste Management, Biodiversity, and Healthy food.

In the framework of the Eco-Schools program, 8 Eco-Schools will showcase and highlight the creativity of students through thematic workshops, demonstration and exhibition of their work,

Will participate from the Academy of Marrakech Tensift El Haouz:
School Tayb El Marini: composting of green waste
School Ouled Jellal: natural Waste Management
School Abi Huraira: Waste Paper Management
School Bilal: Waste Plastics Recycling
School Abi Musa Achaari: Waste tires Management
School Sebt Mzouda – Chichaoua: Presentation of the Koutoubia model and its Gardens

Will participate from the Academy of Tangier – Teouan:
Unit School Tangier: Saponification of Wasteoil
School Zemig: Traditional Basketry
Exhibition models and logos of Eco-Schools Contest

16 winning Schools representing the 16 regional Academies of education which innovated and created models by means of used and/or recyclable materials:

* 13 Model of Eco-Ecoles in miniature size
* 3 logo of the congress

Among 58 Schools of the 16 regional Academies which subjected their contributions to the Eco-Schools competition organized from December 25th, 2012 till March 20th, 2013

Students from the 16 winning schools will present their work to the general public and youth in the exhibition area at the congress.
From Monday, June 10th to Thursday, June 13th, from 3pm to 7pm 2013

Young Reporters for the Environment ‘YRE’
(www.jeunesreporters.org.ma)

• Distillation Workshop of aromatic plants - high school Koutoubia

The Young Reporters for the Environment from the high school Koutoubia will enliven this workshop called: «Come to discover by eyes and smells the world of aromas»:

The YRE will highlight their skills and know-how in engaging the public in practical actions of aromatic plants distillation.
Young Reporters for the Environment ‘YRE’
(www.jeunesreporters.org.ma)

• E-Journal WEEC2013

In the framework of ‘YRE’ program, initiated in 2002 in Morocco by the Mohammed VI Foundation for the Protection of the environment, **10 YRE, from high schools Addoha, Ibn Sina et Skhour Rhamna,** from the Academy of Marrakech Tensift El Haouz, will take part of the challenge to become journalists by developing and preparing the E-Journal of the WEEC 2013 congress.

Through photo shoots, interviews written articles, the YRE will put into words their views and consolidate the E-Journal available daily at the information interactive terminals of the Congress. They will be supported by their high school supervisors, as well as by professional journalists from the national YRE Programme jury:

**Houda Mouhine,** Journalist
**Meriem Essafi,** Director National Radio - Fez
**Hassan Bouadghran,** Journalist - National Society of the Radio and Television
From Monday, June 10th, 2013

Jeunes Reporters pour l’Environnement ‘JRE’
(www. jeunesreporters .org.ma)

• Exhibition ‘another glance to the environment’ reflecting the ten years of YRE Program

The exhibition introduce all the award-winning works of high school students since the program's YRE inception in 2002 by the Mohammed VI Foundation for the Protection of the Environment.

The exhibition will be hosted by six students from the Academy of Marrakech Tensift El Haouz who have already participated in the YRE Competition, running throughout the congress:

- At the exhibition area of the Palais Des Congres, by the exposure of 26 YRE written articles from 10am to 18pm
- At Arsat Moulay Abdeslam Guarden by the exposure of 62 YRE Photographs, from 7pm to 9pm
Reflexes! : Introduction to the environment, between the art of recycling craft and object theater

Animated by : Nordin Znati & Brigitte-Chadilla Fekrane and Urban Initiative Organization ‘UI’

- This introductory workshop seeks to tame and transform various materials to objects theater.

- Students about what they have discovered and done in their neighborhoods during the artist's residency at the Cultural Manufactures in Casablanca.

- Already initiated to an eco-citizenship and artistic work, they will support other children in their work. A rich discovery in an artistic exchange and sharing experiences for eco-citizens.
Exhibition of Birds and Human beings

• Animated by: Urban Initiative Association ‘UI’

• An exposure of metal sculptures of birds and humans, will take place in the exhibition space, as well as two animated impromptu (small improvisations), for two days Tuesday and Wednesday, by the UI Association, to introduce the art of recycling craft and theater, to involve the young participants.

Monday, June 10th to Thursday, June 13th, 2013
Eco-Schools: Innovation and Learning Workshop through practice focused on Renewable Energies and Water, and Young Inventors

It will be a platform for discovery and learning of techniques of conversion, storage, also for an intelligent and efficient use of energy, water management, and development prospects.

4 days focused on thematic work through the valorization of recycled or recyclable materials in small kits:

**June 10 from 3pm to 7pm**: 2 Practical Workshops on Solar Energy, in the rural and urban settings,

**June 11 from 3pm to 7pm**: 2 Practical Workshop on Water, in the rural and urban settings,

**June 12 from 3pm to 7pm**: 2 Practical Workshop on Wind Energy in the rural and urban settings,

**June 13 from 3pm to 7pm**: Workshop ‘Young Inventors’

Kits workshop results will be part of a model called ‘Green Village’, which illustrates the various renewable energy solutions.

Animated by: INTELLCAP Company in partnership with the Eco-Schools Program
Eco-Schools: Workshop Scientific recycling

Animated by: Ciments du Maroc

These workshops of eco-creation, with the participation of students, consist in fabricating artistic objects from recycled materials, creating a space of creativity and study of techniques of recycling by giving a second life in objects: Aeolian, missiles, harts-steering wheels, spirals ...
"Green Chip" of management and valorization of the electronic waste

Animated by: Al Jisr Association (www.aljisr.ma)

For youth and general public, this practical workshop will be led by two young apprentices from Al Jisr Association. They will introduce an operation of dismantling of a complete computer as well as a broadcasting of the film in a continuous loop to explain all process of treatment of the used computer equipment's, as part of the plan 'Green Chip' and as sensitization in the importance of an ecoresponsible treatment of electronic waste.

**Green Chip: Innovative Plan of revaluation of used computer contributing to the equipment of national public schools.**

It consists in collecting to public and private companies their used computer equipment which will be:

• revised
• recycled in compliance with environmental standards, while offering school-leavers a diploma course in computer maintenance by the apprenticeship center 'CFA'.

Photos of apprentices CFA
Seed Balls Creation: Workshop for greening communal spaces in urban areas

Animated by: the Educational farm- Casablanca (Mrs. Marion Primat, responsible of educational activities)

• **Public and young people are invited:** to the discovery of Seed balls, grain bullets, composed from grain seeds and clay and constituting an effective way for greening inhospitable urban spaces.

• Diverse vegetable plants grains and ornaments decoration are placed at disposal.

• The public is invited to think of a place to re-vegetate and the type of plant willing to see them grow, as well as to produce their own Seed balls.

• The Seed balls are bagged and wrapped in burlap before being carried away by each participants.
Story-telling: animated by «la Maison des Contes du Maroc»

Animated by: La Maison du Conte du Maroc

- As an advocacy tool and vector identity, this action is an opportunity to discover or rediscover the Moroccan folk tale stories.

- Morocco has ratified in 2006 the UNESCO Convention for the Safeguarding of Intangible Cultural Heritage, and as recalled by the UNESCO recommendation of June 1997 "It is the responsibility of present generations towards future generations to preserve the extant oral heritage of humanity,".

- In this context, this action aims to highlight and call for the promotion and reappropriation of the traditional oral heritage and its transmission to younger generations in order to ensure its preservation.

- «The environmental tale» in addition to its playful function has a significant role in initiating child to the communal culture, raising awareness especially to the protection to the environment.

- During the congress, for young people and the public, 4 story-tellers from la Maison du Conte du Maroc will break down imaginary to put in words and pictures links between nature and culture: Sofiane BENKHASSALA, Nadia BELGHITI ALAOUI, Driss BENADADA and Ahmed MADKOURI.

- Each session comprises 2 tales and lasts 30 min of exchange and public debate.

At the ‘Palais des Congrès’ (exhibition area)

Monday 10 to Wednesday, June 12, 2013 from 17h

On Thursday, June 13 from 10:30
Demonstration and tasting workshop infusion of aromatic and medicinal plants

Animated by: the Educational Farm- Casablanca (Mrs. Marion Primat, responsible of educational activities)

- **Public and Young people are invited** to the discovery of aromatic and medicinal plants of Morocco as well as their utilization.

- Presentation of the main aromatic plants: lavender, rosemary, thyme, verbena, anise, saffron, different Moroccan plants, will be done in order to let the public discover a range of aromatic and medicinal plants, rich and diversified, in Morocco: 4200 types in which are 800 endemic.

- The public will be invited to discover the process of preparing infusions from harvest to packaging through drying, followed by realization of herbal teas for tasting sessions.

- Each participant will organize his bags in boxes that he will eventually take with.
Valorization of by-products of sugar industry through composting

Animated by: Cadi Ayad University

For public and young people, this workshop is an opportunity to raise awareness of the public about the valorization of sugar skimmings', and give information about research projects initiated in incubation at the Cadi Ayad University.

Sugar skimmings' are resulting from sewage sludge of juice non-valuated by sugar factories. The mixture of skimmings', green, and domestic waste followed by their composting lead to the production of a calcium rich compost.
Environment and Fine arts via artistic recycling

Animated by: the artist decorator Youssef Chettati (in partnership with l’Agence de l’Oriental)

- In these artistic workshops and exhibition of finest antiques produced from diverse chutes, the artist will present, to the young people and public visitors, the possibility to transform different non-usable objects into a piece of decoration.

- It is considered as a transformation workshop put in place with the presentation of some articles that has undergone changes....
Exhibition of postage-stamps related to different environmental themes

Animated by: Barid Al Maghrib

• An exhibition of postage-stamps already issued will be organized on the fringe of the congress, in favor of youth and the public, by Barid Al Maghrib.

• All the students participant in the congress will visit the exhibition that will deal with different environmental themes via the postage-stamp as an educational tool and leverage learning to continuously raise awareness of adults and youth toward environment.
Treatment and use of waste water in Marrakesh

Animated by: Autonomous Authority Water Supply and Electricity Marrakech 'RADEEMA'

The objective of this RADEMA project:

• Contribute to the progress of Marrakech city, assisted by a urban and touristic development while offering to citizens the best possible service and raising awareness about a wise management of water resources

• The treatment concept is based on a succession of processes: activated sludge, filtration, and UV disinfection.

• The station allows to treat sludge digestion and dewatering. The biogas valorization by cogeneration leads to cover more than 45% of energy needs of the station and prevent the emission of 66000 tonnes equivalent of greenhouse gases.

For young people and the public, awareness raising sessions on the basis of a model of the treatment station, from the 10th to the 13th of June: from 10:00 am to 12:00 pm and 4:30 to 6:30 pm.
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‘Educational Activities’
Outside the Palais des Congres

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The Educational circuit of the Palm Grove

Animated by: The Mohammed VI Foundation for Environmental Protection

• The educational circuit of the Palm Grove, first designed and implemented by the Foundation in the Exotic Gardens Of Bouknadel, aims to promote a form of pedagogy, emphasizing the joy of learning and curiosity, for youth and the general public, including a better understanding of role of biodiversity in human development and the interest of preserving our natural heritage.

• Its specificity is to induce a better relationship with nature, especially for urban populations increasingly distant from it

• The educational circuit of the Palm Grove, is a circuit constituted of many informational loops related to a specific theme: the palm, of traditional irrigation mode (called khattaras), composting, water cycle, ecological pyramid the palm.

• The loops are complemented of many staging points that alternate in playful manner, graphic visuals and interactive modules.

• For young people and the public, the educational circuit of the Palm grove will be established at the Mohammed VI Avenue (in front of the PDC) throughout the congress
Exhibition-Bus « The wonderful world of animals »

Animated by: La Société Protectrice des Animaux et de la Nature 'SPANA'

- Within the frame of its educational programs for animals protection, the SPANA laid out an exhibition-bus to visit different educational institutions.
- This exhibition contains 15 thematic and interactive panels:
  - Panel 1: Welcome to the wonderful world of animals.
  - Panel 2: Evolution of the felids family.
  - Panel 3: The felids family Today.
  - Panel 4: Extinction of the felids family.
  - Panel 5: Morocco: An exceptional diversity of landscapes and Ecosystems;
  - Panel 6: Diversity of animal species.
  - Panel 7: Migratory birds.
  - Panel 8: Imbalance in natural environments.
  - Panel 9: Domestication of animals.
  - Panel 10: How animals contribute to the life of human beings.
  - Panel 11: Improper care and handling of animals.
  - Panel 12: The five basic needs of animals.
  - Panel 13: Animals extraordinary events.
  - Panel 14: How to contribute to animals protection?
  - Panel 15: The SPANA works for the animals welfare.

For young people and the public, le « Exhibition-Bus » will be established on the esplanade of the PDC throughout the congress, throughout the congress, from the 10th to the 13th of June.

Sessions will be animated each day from 3pm to 7pm for students participating to the Eco-schools program.
Eco-Bus management and valorization of waste

Animated by : TEC MED (Société de gestion des Déchets de la ville de Marrakech)

A presentation performed by a clown of the Eco-Bus and educational sessions will be held in order to raise awareness of children and the public about sorting and valorization of waste and their impact on the environmental protection.

For young people and the public, the Eco-bus is established on the esplanade of the PDC, throughout the congress, from the 10th to the 13th of June. Sessions will be animated each day from 3pm to 7pm for students participating to the Eco-schools program.
Présentation of the mobile laboratory for air pollution measurement

Animated by : La Direction de la Météorologie Nationale

The objective is:

• Measure the indicators coupling weather and environment, before, during, and after the congress (impact of the congress on air quality)
• Explain to children and the public the impact of pollution on air, health, and environment

For young people and the public, awareness raising sessions through the mobile laboratory will be established on the esplanade of the PDC from the 10th to the 13th of June.