

UFM Ministerial meeting on Environment and Climate



Paving the path for a greener economy

October 18- 20 / 2014

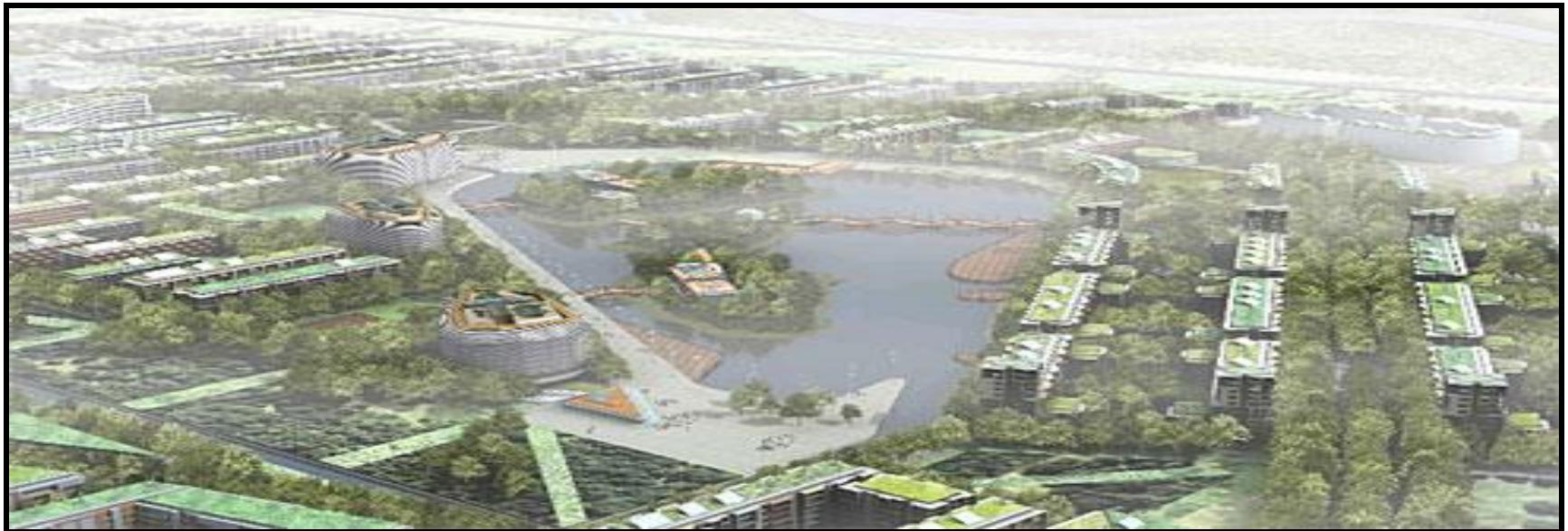
Dead Sea

Jordan



Eco Cities?

- Eco-cities are areas where urban planning and environmental management tools are applied to pursue synergies in resource utilization, waste management, environmental preservation, promotion of industrial & economic development and a healthy living environment.



- Cities consume about $\frac{2}{3}$ of the world's energy use and account for more than 70 % of global greenhouse emission and only represent half of the world population.
- Cities consume about 80 % of the world's natural resources
- By 2030, cities will account for some 73 % of global energy demand 73 % of CO₂ emission and 60 % of the global population.



Marking out a course for a functional City

Impact of City planning on:

- Waste Management
- Transportation
- Energy
- Buildings

What is needed

- Incentives for Clean Technologies
- Education / Awareness
- Sustainable Zoning, City Planning & City Codes
- Attractive eco-financing
- Marketing goods and products





Functioning cities

Are cities that are concerned about:

- ✚ Air quality
 - Smog
 - Dust
- ✚ Water quality
- ✚ Clean energy
- ✚ Urban eco systems
 - Landscapes & land cover
 - Fauna & flora
 - Visual
- ✚ Buildings & construction
 - Architecture
 - Materials
 - Accessibility
- ✚ Mobility





We must :

- Create working **partnerships** between Local governments and enterprises to build such cities.
- Introduce **green urban planning & environmental management tools**
- Develop suitable **markets** for these products
- Reduce the cost of **managing waste** as an Eco practice in cities.
- Insure **Top management commitment** in achieving Eco Towns and cities
- Insure that Financial institutions are fully engaged with **green financing**



Sector objectives & goals

Industrial activities in Eco-Cities

Eco Industrial Parks

The goal is to improve the economic performance of the participating companies while minimizing their environmental impact.

- Use of **pollution reduction** process and technologies
- **Share technologies**, expertise and equipment in order to save energy, materials and so on.
 - The use of waste generated from other industries as material resources for others.
- **Joint research** with academics and researchers in order to develop innovating technologies.
- Disclose information to build awareness to fulfill their **Corporate Social Responsibilities**.



Opportunity vs. challenge

Waste management

- % of waste generated from cities
- % of organic
- % metal/ Aluminum
- % Glass
- Paper
- Construction

Transportation & Mobility

- % of new cars
- % emissions
- % Waste & Scrap

Air & Water

- % monitor air quality
- % enforcement of air & water quality standards & regulations
- Water saving
- Water harvesting
- Water re use

Construction & buildings

- % of new commercial buildings
- % of new homes



Cross cutting issues

1. Science and Technologies

- Energy conservation and renewable energy
- Water and waste water treatment and distribution
- Urban, Industrial and hazardous waste management
- Recycling, reuse and waste exchange
- Air pollution abatement
- Eco-engineering
- Environmental economy
- Life cycle analysis





II. Eco Services

Eco management systems

- Energy efficiency & Renewable energies
- Monitoring, testing labelling and certification
- Awareness, education
- Emission control, treatment, monitoring and trading



III. Financial Mechanisms

Fiscal incentives

- ✓ Custom exemptions
- ✓ Tax exemptions
- ✓ Subsidies
- ✓ Soft loans

Financial Incentives

- ✓ Grants
- ✓ BOOT
- ✓ BOO
- ✓ CDM




IV. Awareness building

Education

- ✓ university
- ✓ vocational

Information & Media

- ✓ Public awareness

The logo for Eco-Cities 2008 is located in the top left corner. It features a stylized white tree with a circular canopy, set against a green background with a leaf-like pattern. Below the tree, the text "ECO-CITIES" is written in a small, sans-serif font, and "2008" is written in a larger, bold, sans-serif font.

Create sustainable societies in the Mediterranean Region

- A paradigm shift - from the current reactive 'cure' approach to a proactive 'preventive' approach.
- We need to know what are the challenges that cities actually face to set up Eco-Cities or to make the cities and industries within them more environmentally friendly?



What is needed?

- Strengthen** capacities of institutions (Municipalities, regions, agencies, institutions) working in the field of Environment, city planning & technology from the region in the field of sustainable environmental city planning & development.
- **Promote** the flow of eco-investments & know-how into the region and help increase the export markets in the area of environmental technology (waste management & recycling, construction and insulation, water management, city planning, and renewable energies).
 - **Stimulate** the financial sector in the region to become more aware and proactive in dealing with environmentally friendly investments and projects.
 - **Create synergies** between environmentally conscious cities.



We invite members states in the UFM and the EU to support our initiative and join us in October this year in the 3rd Eco-cities forum.

For more information please visit the Eco cities Forum website

www.Ecocities-net.com



Thank you....

وزارة البيئة

MINISTRY OF ENVIRONMENT