



# CDM Project activities in Israel

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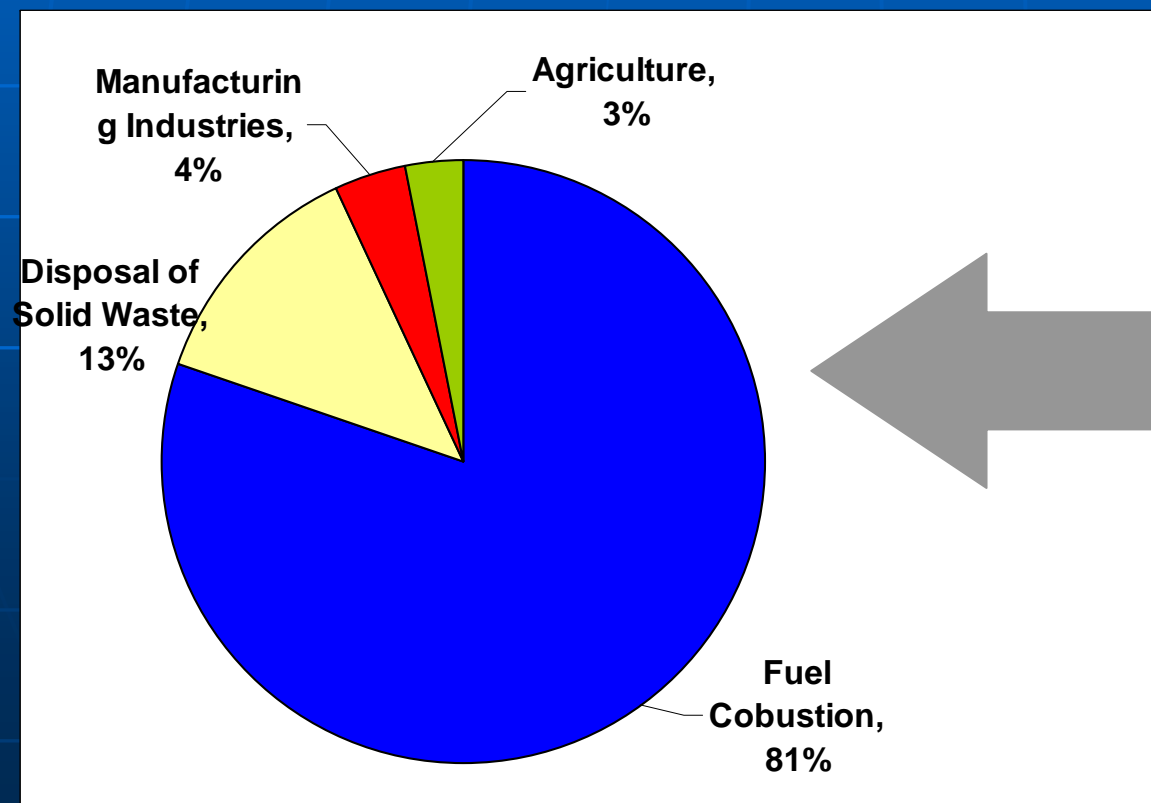
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14/2/2008



## GHG emissions in Israel

Total GHG Emissions in Israel (2005) - 73,018 (1,000 t-CO<sub>2</sub>e)



Energy Industries  
40,996 (1,000 t-CO<sub>2</sub>e), 56%

Transportation -  
14,117 (1,000 t-CO<sub>2</sub>e), 19%



## Israel's Designated National Authority

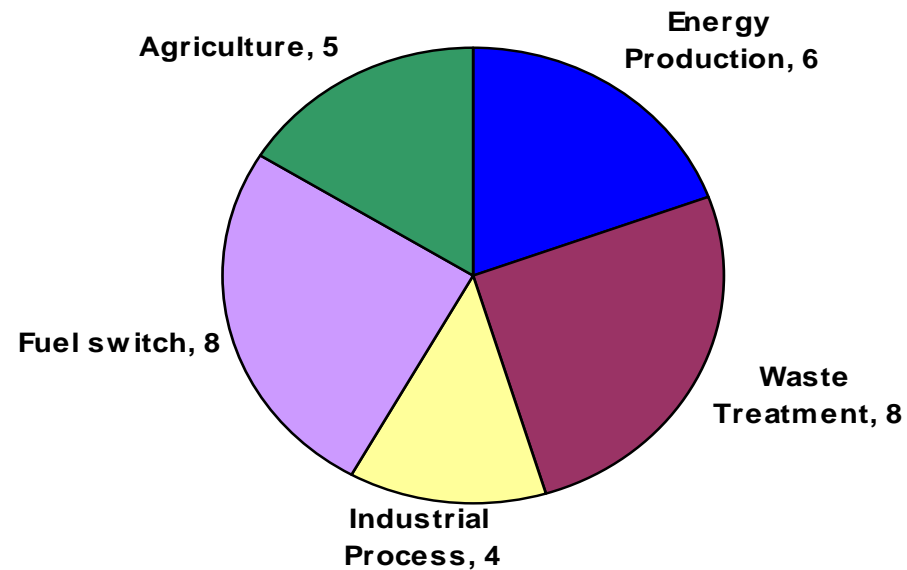
- \* Israel ratified the Kyoto Protocol in 2/2004
- \* Israel's CDM-DNA was established in 3/2004
- \* CDM-DNA includes the 12 members:
  - 9 Governmental Representatives – Environmental Protection (Chairman), Finance, National Infrastructure, Transportation, Agriculture, Industry Trade & Commerce
  - 2 Industrial representatives - Manufacturers' Association, Israel Electric Corporation (IEC)
  - 1 Environmental NGO Representative

[www1.sviva.gov.il/cdm](http://www1.sviva.gov.il/cdm)



## CDM Project Activities

**31 CDM Projects have been submitted to the DNA  
reflecting potential annual reduction of 3,000,000 t-CO<sub>2</sub>e**



**8 Projects were registered – 1,100,000 t-CO<sub>2</sub>e/yr**



# Israel's Designated National Authority

## Approval Process for an Israeli CDM Project:

1. **Voluntary Track**: Applicants may submit a Project Idea Note (PIN).

enables the initiator to obtain a preliminary opinion on whether the project complies with the prerequisite criteria

*Letter of No Objection*

2. **Regular Track**: Applicants submit a Project Design Document (PDD).

Estimated approval time is 10 weeks.

*Letter of approval*



# Sustainable Criteria

## A. Environmental Impacts - 37.5%

- (1) The project's impact on global climate change - scope of reduction, reduction of fossil fuel use and switch to clean fuels, etc.
- (2) Contribution to local environmental sustainability - reduction of hazardous materials, reduction of radiation, protection of open space, reduction of sewage quantities and improvement of their quality, preservation of biodiversity and ecosystems, etc.
- (3) Reduction of other pollutants to the air.



## Sustainable Criteria

### B. Social impacts – 25%

- (1) Contribution to the net number of employed persons as a result of project implementation
- (2) Improvement in the quality of life of weak populations



## Sustainable Criteria

### C. Economic and technological impacts – 37.5%

- (1) **Development of clean technologies and transfer of knowledge to Israel** - import of knowledge
- (2) **Establishment of infrastructure** - possibility of using the infrastructure established within the framework of the project in other projects
- (3) **Wise and efficient use of resources** - energy efficiency, improvement of production processes, green procurement, etc.



## Why Israel ?

- \* Technological and scientific expertise, including wide experience in the field of "clean" technologies .
- \* Open access to a wide range of data, including air pollution monitoring results.
- \* Availability of local professionals, including scientists, engineers and lawyers .
- \* Stable democratic & economic climate which is favorable for investment



# Growth drivers for Carbon Market in Israel

## 1. Energy Sector:

The current rate of growth of electricity consumption in Israel is among the highest in the world - reaching some 6% per annum

Based on a "business as usual" scenario, the IEC anticipates the production of 74 million kWh in 2020, emitting nearly 60,000 (1,000 tCO<sub>2</sub> per year).

### Emissions reduction through

1. Changes & Improvements in the electricity production system - **Natural Gas.**
2. Use of renewable energy (PV, Solar-thermal, Wind, Pumped storage hydroelectricity )
3. Energy Conservation / energy savings technologies



# Growth drivers for Carbon Market in Israel

## 2. Transportation Sector:

- Mass-transit systems
- Switch to clean vehicles fueled by cleaner fuels (Railway system electrification project, The electrical car project)

## 3. Industry Sector:

- Fuel switch Projects (Biomass, Natural Gas, Biogas)
- Implementing low-carbon technologies at industrial plants
- Energy Savings projects