

| International Cooperation Projects in the Field of Environment Improvement |                                                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |
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| Sr.                                                                        | Project                                             | Partners     | Project Objectives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Project Schedule |      |
|                                                                            |                                                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Starts           | Ends |
| 1                                                                          | PMU and EEAA Support                                | ESP & DANIDA | <ol style="list-style-type: none"> <li>1. Applying environmental management tools locally.</li> <li>2. Supporting decentralization strategy of EEAA in spreading its services and functions regionally and locally.</li> <li>3. Providing institutional support for Aswan and Beni Suef.</li> <li>4. Assisting Egyptian industry in complying with environmental regulations through CP applications.</li> <li>5. Presenting technical support to Shore Protection Authority and Ministry of Water Resources and Irrigation.</li> </ol>                                                                                                                                                                                                                        | 2002             | 2008 |
| 2                                                                          | ACI                                                 |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |
| 3                                                                          | SDEM                                                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |      |
| 4                                                                          | <u>LIFE</u><br>A. Treating Lead Foundries Emissions | USAID        | Treating lead foundries' emissions to mitigate lead pollution at six locations at Al Qalyobia, Shubra Al Kheima area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |      |
|                                                                            | B. Red Sea Economic Sustainability                  |              | <ol style="list-style-type: none"> <li>1. Supporting environmental activities paving the way for creating job opportunities, coexistence, providing main services, and improving living conditions for Red Sea governorate residents especially locals and Bedouins.</li> <li>2. Increasing tourist promotion for both environmental and traditional tourism, increasing demand on local products, supporting available experiences in this field to increase locals' job opportunities, and diversifying and broadening the Red Sea tourist market.</li> <li>3. Ensuring protection, management and sustainable use of natural and cultural sources, which the tourism industry in Red Sea and natives' means of living and income are based upon.</li> </ol> | 2004             | 2008 |

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| 5                                                                          | Assessment and management of Mangrove Forests                                             | International Tropical Timber Organization ITTO | Evaluating and managing Mangrove forests along the Red Sea coast for conservation and to achieve optimum and sustainable use, and the forestation of 50 hectares with Mangrove.                                                                                                                                          | 9/2003           | 12/2006 |
| 6                                                                          | Integrated Management Lake Manzala                                                        | GEF / UNDP                                      | 1. Assessing constructed wetlands as a low-cost method to treat large volumes of drainage water.<br>2. Capacity building to ensure sustainable development of Lake Manzala.                                                                                                                                              | 1999             | 2006    |
| 7                                                                          | Wetlands conservation in the Mediterranean Region                                         | GEF / UNDP                                      | Conserving wetlands in the Mediterranean region to conserve the natural environment and ecosystem in coastal areas and the wetlands at Al-Borollous, Al-Zaraneq and Al-Ameed protectorates.                                                                                                                              | 1999             | 12/2006 |
| 8                                                                          | Conservation and use of medicinal plants in dry and semi-dry ecosystems.                  | GEF / UNDP                                      | Preservation and use of medicinal plants in the area of Saint Catherine and preparation of a strategy for its protection as well as growing endangered plant species and creation of job and investment opportunities in the field of medicinal plants.                                                                  | 2002             | 2007    |
| 9                                                                          | Assessment of Capacity Building and Priorities of Conservation of Biodiversity Management | GEF / UNDP                                      | 1. Conservation and sustainable use of biodiversity.<br>2. Setting international biodiversity principles for animal and plant species (biodiversity).<br>3. Setting plans to deal with invasive plant and animal species and for hunting management.<br>4. Setting plans to protect endangered plant and animal species. | 6/2004           | 6/2006  |

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| 10                                                                         | Biomass Utilization Project                                                 | GEF / UNDP                       | Preparation of a detailed feasibility study on possible use of biomass as a renewable energy source in Egypt to serve and develop rural areas, to contribute to the reduction of greenhouse gases from conventional power sources. Should use of biomass prove feasible, the project will prepare a fiche for a main project to apply and disseminate selected technologies through public, private and national sectors in Egypt governorates.                                                                                                                                                                                                                                                                                                                            | 2005             | 2006 |
| 11                                                                         | MSEA Capacity Assessment and Support to Carry out International Obligations | GEF / UNDP                       | Supporting the capacities of MSEA to meet its international obligations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2005             | 2007 |
| 12                                                                         | Support Public Transport Sustainability in Urban Areas                      | GEF / UNEP                       | Supporting the sustainability of public transport in urban areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2005             | 2006 |
| 13                                                                         | Institutional Support for the Implementation of Montreal Protocol           | Multilateral Ozone Fund – Vienna | <ol style="list-style-type: none"> <li>1. Implementing Egyptian Obligations towards the protection of the Ozone Layer and disseminating periodic and annual reports according to the provisions of Montreal Protocol.</li> <li>2. Implementing ministerial decrees related to environment protection in collaboration with different ministries and agencies.</li> <li>3. Investigating and reviewing applications submitted by companies' representatives to obtain customs clearance forms at an average of 25 clearances daily.</li> <li>4. Shipment checking in Egypt's ports for ozone depleting substances to limit trade fraud of refrigerant gases, refrigerant units used and production lines that contain refrigerant units and insulation material.</li> </ol> | 2004             | 2006 |

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|                                                                            |                                                    |                                  | <ol style="list-style-type: none"> <li>5. Inventory and registration of the ozone depleting substances, imported in accordance with Montréal Protocol provisions, and their entry into a database (gases, compressors and methyl bromide).</li> <li>6. Following up on project implementation and co-reviewing technical reports with financer and implementer agencies (UNIDO, GTZ, UNDP).</li> <li>7. Coordinating and collaborating with the Egyptian Environmental Affairs Agency and providing the agency with all information on the Ozone Unit activities.</li> </ol> |                  |      |
| 14                                                                         | Egyptian Strategy for Refrigerant Management (RMP) | Multilateral Ozone Fund – Vienna | <ol style="list-style-type: none"> <li>1. Establishing a complete database for the refrigeration and air conditioning sector.</li> <li>2. Rehabilitation of formal and informal employment in the refrigeration and air conditioning sector.</li> <li>3. Building a network for collecting and recycling CFC's materials.</li> </ol>                                                                                                                                                                                                                                         | 2004             | 2006 |
| 15                                                                         | Halon                                              | UNDP                             | <ol style="list-style-type: none"> <li>1. Supplying a governmental institution or NGO (not seeking profit) with equipment to establish Halon Bank in each country.</li> <li>2. Training and awareness of the Halon Bank staff and providing technical and financial project assistance for management.</li> <li>3. Assisting in collecting, treating and reusing Halons according to needs of the armed forces during the gradual lowering and after the phase of cessation of Halon production by 2020.</li> </ol>                                                          | 2005             | 2008 |
| 16                                                                         | Solvents                                           | UNIDO                            | <ol style="list-style-type: none"> <li>1. Supplying 5 industrial companies with machinery and equipment.</li> <li>2. Training and establishing workshops on using artificial solvents alternatives.</li> <li>3. Disposing of 41 tons of ozone-depleting solvents by 2007.</li> </ol>                                                                                                                                                                                                                                                                                         | 2005             | 2007 |

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| 17                                                                         | Methyl Bromide Alternatives for Agricultural Purposes                                | UNIDO    | <ol style="list-style-type: none"> <li>1. Determining the machinery and equipment required for the agricultural sector (machines, tools, materials).</li> <li>2. Transferring modern technology that uses methyl bromide alternatives.</li> <li>3. Conducting training programs in collaboration with the agricultural research institute on using alternatives to methyl bromide and the equipment used.</li> <li>4. Identifying proposed chemical and biological alternatives to methyl bromide under the supervision of the Ministry of Agriculture.</li> <li>5. Reducing approximately (133.3) tons of methyl bromide usages in agriculture and storage.</li> </ol> | 2005             | 2013   |
| 18                                                                         | Egyptian Strategy of Maintenance Sector of Repair, Refrigerant, and Air Conditioning | UNIDO    | <ol style="list-style-type: none"> <li>1. Analyzing the refrigeration and air conditioning sector and its consumption.</li> <li>2. Purchasing machinery and equipment the collection and recycling and developing training programs.</li> <li>3. Conducting a feasibility study for the commercial refrigeration sector and the necessary modifications.</li> </ol>                                                                                                                                                                                                                                                                                                     | 8/2005           | 6/2010 |
| 19                                                                         | African Environmental Information Network (AEIN)                                     | UNEP     | Establishing Environmental Information Network between African countries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2003             | 2009   |
| 20                                                                         | Studying Heavily Polluted Hot Spots – Abu Qir Bay                                    | GEF      | <ol style="list-style-type: none"> <li>1. Preparing a study on environmental state in Abu qir bay and industrial pollution resources affecting it.</li> <li>2. Preparing primary and final reports of project feasibility study.</li> <li>3. Introducing organizational reform, development, and institutional support program.</li> </ol>                                                                                                                                                                                                                                                                                                                              | 1/2006           | 1/2007 |

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| 21                                                                         | Environment Protection Fund (EPF) for Public Business Sector     | KFW                | 1. Reviewing and granting technical approvals in cooperation with KFW.<br>2. Cooperating with consultant coordinating in marketing competent funding packages and demonstrating their advantages.<br>3. Supervising implementation of projects and funding packages exchange.                     | 1996             | 2008    |
|                                                                            | Technical Consultations                                          | KFW                |                                                                                                                                                                                                                                                                                                   | 1996             | 2008    |
| 22                                                                         | Capacity Building of the Central Department of Nature Protection | Italian Government | Raising the efficiency of Nature Protection Sector in EEAA to perform its duties in a sustainable way.                                                                                                                                                                                            | 4/2005           | 4/2008  |
| 23                                                                         | Bio-Map Project                                                  | Italian Government | Protection and management of Biodiversity and sustainable use through developing international classification principles for flora and fauna species. Developing plans to confront flora and fauna invasive species phenomenon through hunting management and conservation of endangered species. | 11/2004          | 11/2007 |
| 24                                                                         | Wadi Al-Ryan Protected Area Support Project                      | Italian Government | 1. Contributing to the conservation of natural and cultural resources of Egypt.<br>2. Managing Al-Ryan protected area in a sustainable manner in participation with local stakeholders to contribute in preserving local resources and economic development of Fayoum area.                       | 10/2004          | 10/2007 |
| 25                                                                         | Siwa Protected Area Support Project                              | Italian Government | Contributing to conservation and sustainable use of natural and cultural resources at Siwa area.                                                                                                                                                                                                  | 10/2004          | 10/2007 |

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| 26                                                                         | Gabal Elba Protected Area Support Project                                                                                                 | Italian Government | Managing Gabal Elba in a sustainable manner in participation with locals with interests; contributing to the conservation of local resources and in economical development of the area and the development of a funding plan.                                                                                                                   | 10/2004          | 10/2007 |
| 27                                                                         | Coordination Unit                                                                                                                         | Italian Government | Implementing 8 of experimental environmental projects; including nature protection areas, developing protected areas, environmental management of historic sites, rural development, solid waste management, planning water resources, supporting legislative and institutional framework, and building capacities of Nature Protection Sector. | 10/2004          | 10/2007 |
| 28                                                                         | Pilot Project of Sustainable Development of Integrated Environmental Management of Red Sea Coast (Sharm El-Sheikh, Ras Muhammad Panorama) | Italian Government | <ol style="list-style-type: none"> <li>1. Establishing an under water marine panorama at Ras Gezlani.</li> <li>2. Developing protected area visitor center.</li> <li>3. Developing camping sites at the protected area.</li> </ol>                                                                                                              | 2005             | 2007    |
| 29                                                                         | Capacity Building, Training, and Institutional Organization Support                                                                       | Italian Government | Building staff capacities and developing annual environmental statistics.                                                                                                                                                                                                                                                                       | 2005             | 2007    |
| 30                                                                         | Innovative Means of Increasing Water Resources (Gefgafah Village – North Sinai)                                                           | Italian Government | Providing a fresh water source to one of the villages lacking water supply: Gefgafah Village in North Sinai.                                                                                                                                                                                                                                    | 2005             | 2007    |

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| 31                                                                         | Utilization of Solar Energy in Tourist Resorts and Villages in New Reclaimed Areas | Italian Government | <ol style="list-style-type: none"> <li>1. Spread notion of using renewable energy sources, such as solar energy for generating Clean Energy (CE) for tourist resorts and newly-reclaimed areas lacking power networks. MSEA implements it through the State plan.</li> <li>2. Spread notion of using CE to reduce pollution due to using traditional energy.</li> <li>3. Contribute to promoting Egyptian tourism products by using CE sources.</li> <li>4. Generalize new technology transfer and encourage access to CE generation investments and capacity building in the field of solar energy.</li> <li>5. Promote small projects in the field of Clean Development mechanism.</li> </ol> | 2005             | 2007    |
| 32                                                                         | Supporting EEAA Legal and Institutional Framework                                  | Italian Government | Developing and integrating environmental laws and regulations on solid wastes management, natural protectorates, and marine environment. Improving the effects of legislations concerning environmental dimension in natural protectorates and marine environment.                                                                                                                                                                                                                                                                                                                                                                                                                              | 10/2004          | 10/2007 |
| 33                                                                         | Community Work Initiative and Community Development Support Project                | CIDA               | <ol style="list-style-type: none"> <li>1. Supporting community environmental work.</li> <li>2. Building NGOs capacities.</li> <li>3. Establishing sustainable institutions with high technical and institutional capacities regionally to support NGOs.</li> <li>4. Supporting NGOs unit capacities at EEAA.</li> <li>5. Supporting women.</li> </ol>                                                                                                                                                                                                                                                                                                                                           | 2004             | 2008    |

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| 34                                                                         | Climate Change Initiative Project                                              | CIDA                                                                                                                                                                                           | Transforming 50 clay brick factories at Arab Abu Saed area from using mazot to natural gas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2002             | 2006   |
| 35                                                                         | Information and Management System for Hazardous Substances in Egypt (Chlorine) | Swiss Agency for Development and Cooperation (SADC)                                                                                                                                            | <ol style="list-style-type: none"> <li>1. Raising safety standards at water purification stations using chlorine.</li> <li>2. Developing study for 10th of Ramadan plants a risk-assessment.</li> <li>3. Investigating waste treatment options for 10th of Ramadan plants.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                       | 3/2005           | 9/2007 |
| 36                                                                         | Egyptian Pollution Abatement Project-Second Phase EPAP-II                      | The International Bank for Reconstruction and Development (IBRD), The European Investment Bank (EIB), Japan Bank for International Cooperation (JBIC), The French Agency for Development (AFD) | <ol style="list-style-type: none"> <li>1. Reduction of pollution load originating from industrial facilities, to improve air quality and put an end to sever pollution episodes.</li> <li>2. Development of sustainable mechanisms to effectuate pollution abatement projects, increase environmental compliance capability, and encourage Egyptian industry to conform production with the requirements of exporting and competing in international markets.</li> <li>3. Enhancement of CP projects; these environmental projects contribute to decreasing raw material use and reducing wastes which leads accordingly to production increase.</li> </ol> | 2012             | 2007   |