Eco-Industrial Park in Vietnam

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Industrial Park in Vietnam

**NUMBER AND SIZE OF INDUSTRIAL PARKS IN VIETNAM**

- **Number of IPs**
- **Size (ha)**

- **1991:** 1
- **1995:** 12
- **2000:** 65
- **2005:** 131
- **2010:** 26986
- **2015:** 84450

- **1991** to **2015** graph showing the increase in the number of industrial parks and their size.
Implementation of Eco – industrial park initiative for sustainable industrial zones in Vietnam

**Donors:** Global Environment Facility (GEF), Swiss State Secretariat for Economic Affairs SECO and United Nations Industrial Development Organization (UNIDO)

**Main partners:** Ministry of Planning and Investment (MPI) of Vietnam, relevant Ministries and provincial authorities of Ninh Binh, Da Nang, Can Tho

**Duration:** 3 years

The project aims to transform existing IZs into eco-industrial parks (EIP), in which companies cooperate with each other and with the local community to reduce environmental impacts and production costs. In addition, clean and low-carbon technologies and practices will be demonstrated within the industries to minimize GHG emissions, the release of persistent organic pollutants (POPs) and land based water pollution.
Based on established and successful methodologies

- Resource Efficient and Cleaner Production (RECP)
- Transfer of Environmentally Sound Technologies (TEST)
- BAT/BEP for emission control
- Innovative financial instruments
### 3 pilot Eco-Industrial Parks

<table>
<thead>
<tr>
<th>Industrial Park</th>
<th>Province</th>
<th>Total Nr. of registered enterprises</th>
</tr>
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<tbody>
<tr>
<td>Khanh Phu</td>
<td>Ninh Binh</td>
<td>38</td>
</tr>
<tr>
<td>Hoa Khanh</td>
<td>Da Nang</td>
<td>205</td>
</tr>
<tr>
<td>Tra Noc 1</td>
<td>Can Tho</td>
<td>101</td>
</tr>
<tr>
<td>Tra Noc 2</td>
<td></td>
<td>46</td>
</tr>
</tbody>
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Moving Industrial Zones towards Eco-Industrial Parks

- Identification of EIPs pilot projects
- EIP pilots in IPs and communities
- Policy and guidelines to transform IPs into EIPs
- Monitoring and Evaluation
- Capacity building on EIP
## Initial Results in First Year

<table>
<thead>
<tr>
<th>Expected Output</th>
<th>Activities and results</th>
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<tbody>
<tr>
<td>Identification of EIPs pilot projects</td>
<td>5 introduction workshops conducted, ~100 companies participated &gt;100 visits to companies to investigate RECP potential</td>
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<tr>
<td>Capacity building on EIP</td>
<td>4 RECP training courses 108 persons have been trained</td>
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<tr>
<td>EIP pilots in IPs and communities</td>
<td>48 companies registered for RECP audit 23 companies received RECP audit and options: 25,000m³ of water saved/reduced/reused per year 4,028,3 tons of CO₂ reduced per year 5,883,700 KWh saved per year VND 10.2 billion saved per year Hosting IFC-KICOX mission to Hoa Khanh IP to identify symbiosis</td>
</tr>
<tr>
<td>Policy and guidelines to transform IPs into EIPs</td>
<td>Green Credit Guideline developed Technical Guideline for EIP (in collaboration with IFC Vietnam)</td>
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<tr>
<td>EIP understandings</td>
<td>Central and local government agencies understand EIP and support for EIP transformation Business community provide commitment with EIP Awareness on EIP increases among public and local community</td>
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## NEXT STEPS

<table>
<thead>
<tr>
<th>Expected Output</th>
<th>Activities</th>
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| **Identification of EIPs pilot projects**                 | 9 dissemination workshops to be conducted (3 in 2016)  
Continuously visit and invite companies to register for RECP audit |
| **Capacity building on EIP**                             | 5 RECP training courses for companies (2 in 2016)  
2 EIP training courses for central and local government officials (2016)  
Training courses for financial Institutions; for RECP expert  
Training courses on chemical management and environment management  
Exchanging and learning experience from best practices  
Study and recommendation for improving institutional capacity for IP Authorities |
| **EIP pilots in IPs and communities**                     | RECP audit and options done with at least 20 more companies  
Identify symbiosis in Hoa Khanh IP (joint with IFC-KICOX) and pilot implementation  
Action plan for Community and Stakeholder  
WWTP Performance Assessment for pilot IPs and technical support  
Study on Solid waste and options for exchange in pilot IPs |
| **Policy and guidelines to transform IPs into EIPs**      | Legal review of existing legal document (minimum requirement for EIP Vietnam)  
Group Expert Meeting (28 and 29 September 2016)  
Technical EIP Guideline (in collaboration with IFC Vietnam)  
Legal EIP Guideline |
THANK YOU FOR YOUR ATTENTION!

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