GLOBAL ECO-INDUSTRIAL PARK PROGRAMME – INTERNATIONAL EXPERIENCES ON EIP POLICY DEVELOPMENT

17th December 2020
EIP is a dedicated and managed area for industrial use that supports sustainability through the integration of social, economic, and environmental quality aspects into its siting, planning, management and operations.
The EIP concept is about creating more resource-efficient and cost-effective industrial parks which are more competitive, attractive for investment, sustainable and risk resilient.
EACH INDUSTRIAL PARK IS UNIQUE, SO NEED FOR CUSTOMISED SOLUTIONS AND OPPORTUNITIES

<table>
<thead>
<tr>
<th>Development stage</th>
<th>Park area</th>
<th>Industry sectors</th>
<th>Defined industrial area</th>
<th>Local conditions</th>
<th>Technology development</th>
<th>Type of activity</th>
<th>Intensity of collaboration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Brownfield</td>
<td>Large area (&gt; 1000 ha)</td>
<td>Companies from multiple sectors</td>
<td>Dedicated industrial zone</td>
<td>Favourable</td>
<td>High tech</td>
<td>Production &amp; manufacturing</td>
<td>High intensity of collaboration</td>
</tr>
<tr>
<td>2. Greenfield</td>
<td>Small area (&lt; 200 ha)</td>
<td>Companies from one or few sectors</td>
<td>Integrated industrial-urban area</td>
<td>Challenging</td>
<td>Low tech</td>
<td>Commercial services</td>
<td>Low intensity of collaboration</td>
</tr>
</tbody>
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GLOBAL ECO-INDUSTRIAL PARKS PROGRAMME

INTERNATIONAL FRAMEWORK FOR ECO-INDUSTRIAL PARKS

Company
- Resource Efficiency & Cleaner Production
- Low Carbon Technology
- Green Chemistry
- Renewable Energy

Industrial Park
- Collective resource efficiency solutions
- Resources
- Infrastructure
- Supply
- Services

Sustainable Cities
- Urban Symbiosis
- Waste Management
- Recycle
- Corporate Social Responsibility

GLOBAL ECO-INDUSTRIAL PARKS PROGRAMME
INTERNATIONAL FRAMEWORK FOR ECO-INDUSTRIAL PARKS

Process of continuous improvement:
Going beyond the minimum EIP requirements

Core EIP Categories and Topics

- **Park management performance**
  - Park management services
  - Monitoring
  - Planning and zoning

- **Environmental performance**
  - Environmental management and monitoring
  - Energy management
  - Water management
  - Waste and material use
  - Natural environment and climate resilience

- **Social performance**
  - Social management and monitoring
  - Social infrastructure
  - Community outreach and dialogue

- **Economic performance**
  - Employment generation
  - Local business and SME promotion
  - Economic value creation

Compliance with local and national regulations and alignment with international standards

Overall objective of Global EIP Programme (GEIPP):

“Demonstrate the viability and benefits of Eco-Industrial Park approaches in scaling up resource productivity and improving economic, environmental and social performances of businesses and thereby contribute to inclusive and sustainable industrial development.”
Component 1: Country Interventions

Outcome 1: EIP mainstreamed in relevant policy and regulations

Outcome 2: EIP approaches implemented in pilot EIPs

Outcome 3: EIP tools developed, capacity enhanced and lessons learnt effectively exchanged

Component 2: Global Knowledge Development

Lessons learnt
International experiences

Standardization (international collaboration)
Dissemination

Outcome 1
Outcome 2
Outcome 3
EIP government policies need to be customised to local situation
  • No “one-size-fits-all” approach

Governmental eco-industrial strategies are often incorporated into various policies
  • Not necessarily captured in one policy

Apply collaborative approaches
  • Industry organizations, companies, government

Keep flexibility into industrial parks and policies
  • Need for market driven approaches

Need for proactive and facilitating management agencies at industrial parks
  • To encourage industry interactions

Key roles of government
  • Promotion of multi-stakeholder dialogue
  • Strategic planning of industrial parks
  • Provide incentives and law enforcement
UNIDO’S EIP TOOLBOX

- EIP Selection Tool
- Stakeholder Mapping Tool
- EIP Policy Support Tool
- EIP Assessment Tool
- Industrial Symbiosis Identification Tool
- EIP Concept Planning Tool
- RECP Monitoring Tool
- Industrial Synergies Monitoring Tool
- EIP Management Services Tool
THANK YOU