GLOBAL ECO-INDUSTRIAL PARK PROGRAMME (GEIPP)

NATIONAL LEVEL INTERVENTION – COLOMBIA

Inputs for the EIP Implementation UKRAINE
Thursday July 30 2020
## OVERALL PLANNING

| Outcome 1. EIP incentivized and mainstreamed in relevant policy and regulations |
| Output 1.1. Mapping of existing capacity of institutions and service providers on EIPs development |
| Activity 1.1.1 Stakeholder mapping |
| **Activity 1.1.2** Gap analysis of institutional capacity |
| **Activity 1.1.3** Policy analysis and update of stakeholder mapping |
| Output 1.2. Strengthened national Institutions relevant to EIP policy development and implementation |
| Activity 1.2.1 Capacity building and awareness-raising |
| **Activity 1.2.2** Development of a national EIP framework (to support the implementation of the international EIP framework) |
| **Activity 1.2.3** Amendment/modification of policies and regulations |
| **Activity 1.2.4** Sustainability of EIP in Colombia: Establishment of a platform for (eco) Industrial Park promotion in Colombia |

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<th>2019 (year 1)</th>
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**Outcome 2**: EIP opportunities identified and implementation started, with environmental (e.g. resource productivity) economic and social benefits achieved by enterprises confirmed

**Output 2.1**: Benchmarking and in-depth analysis of potential candidate industrial parks for EIP intervention

**Activity 2.1.1**: Assessment of pilot industrial parks against the international EIP framework (Group 1)

**Activity 2.1.2**: Continuous monitoring of pilot industrial parks (Group 1)

**Output 2.2**: Enhanced capacity of industrial parks and tenant SMEs to meet international standards and requirements for EIP

**Activity 2.2.1**: Preparation of capacity-building and awareness-raising material

**Activity 2.2.2**: Capacity-building and awareness-raising in group 1 industrial parks (par management staff of group 2 invited)

**Activity 2.2.3**: Preparation of updated capacity-building and awareness-raising material

**Activity 2.2.4**: Consolidation of capacity-building and awareness-raising in group 1 industrial parks (par management staff of group 2 invited)

**Output 2.3**: EIP requirements implemented by park management and tenant SMEs

**Activity 2.3.1**: RECP assessment in companies (Group 1)

**Activity 2.3.2**: Feasibility study of most promising RECP opportunities (Group 1)

**Activity 2.3.3**: Industrial synergies/symbiosis and EIP improvement opportunities workshops in pilot parks (Group 1)

**Activity 2.3.4**: Feasibility studies of most promising industrial synergies/symbiosis (Group 1)

**Activity 2.3.5**: Planning, managing and support to the implementation of EIP and RECP approaches (Group 1)
ORGANIZATION

- Activities at institutional level
- Activities in pilot industrial parks

28/07/2020
Outcome 1. EIP Incentivized and mainstreamed in relevant policy and regulations
Characterization based on the EIP policy support tool for Colombia, which scores influence and interest of stakeholders considering 11 key questions, such as

**Interest**: Stakeholder is able to influence the existing overall thinking on industrial parks or the function of the eco-industrial parks?

**Influence**: Stakeholder is interested in EIP concepts, opportunities and benefits?

**Key stakeholders (green boxes)**: these stakeholders have a particularly important role for the development of EIPs.

- Major role to set an enabling environment for EIPs projects (MINCIT, synergies between ZF 2.0 and EIPs) & integration of National EIP framework into the formulation of the National Strategy for Circular Economy by MADS

**Primary stakeholders (yellow boxes)**: The stakeholders in this category have a significant level of influence and interest
- Strategy to set an intersectoral action plan (i.e. Community of Practice) to incentivize these stakeholders to be able to influence and have more interest in EIPs

**Secondary stakeholders (orange boxes)**: composed of civil society organizations (NGOs, Communities).
- Strategies to establish channels of communication between communities neighboring the industrial parks, so that a social transfer of benefits can be obtained
Gap Analysis

The evaluation of stakeholders’ roles enabled the identification of gaps in the current context for the GEIPP in Colombia. Additionally, it revealed key roles that should be addressed, which will guide future steps such as coordination, capacity building, among other activities including mechanisms to bridge the gap.

51 indicators (Infrastructure AND Capacities) provided by the International Framework for Eco-Industrial Parks were scrutinized to define the structure an industrial park needs to become an EIP.

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Beyond the Gap Analysis: How to bridge the gap

Mechanisms

1. Regulatory Framework (Command and Control)
2. Strategic Planning
3. Economic Benefits
4. Finance Opportunities
5. Technical and Organizational Capacity Building Programs
6. Community of Practice of EIPs
7. EIP Technical Guidelines
8. EIP Certification Programme
Policy Analysis

A total of 20 regulations analyzed: 12 policies, 3 strategies, 2 programs, 2 plans and 1 law.
Policy Analysis

Each policy plotted in Infrastructures vs Capacities to quantify by the number of constituents of each main aspect the policy influences.
Outcome 2. EIP opportunities identification and implementation

Baseline Assessments at Park Level

**Tools**
- Assessments
- Trainings
- Technical advisory
- Support in financing strategies

**Outputs**
- Optimization of infrastructure and processes
- Increase productivity and efficiency
- Strategic Positioning
- Access to financing
PROJECT STATUS – JULY 2020

ZONA FRANCA DEL CAUCA – 63% of compliance with EIP Indicators
Companies participating: 16
EIP opportunities identified: 9
Synergies identified: 3

ZONA FRANCA DE OCCIDENTE – 56% of compliance with EIP Indicators
Companies participating: 6
EIP opportunities identified: 4
Synergies identified: Ongoing review

PARQUE INDUSTRIAL MALAMBO PIMSA – 71% of compliance with EIP Indicators
Companies participating: 9 (in process)
EIP opportunities identified: 15 – 3 Selected
Synergies identified: 10

PIMSA EIP Opportunities Selected

- Waste Water Treatment Plant (treatment and reuse of treated water within the park)
- Bio Digestion System (conversion of organic material into biogas and bio sludge)
- Composting System (conversion of bio sludge and green wastes into soil fertilizers)