



Session 4: Show Cases for SIA Transformation



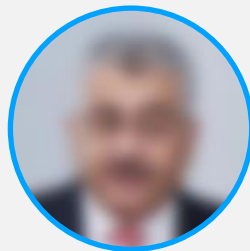
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GIZ South Africa, Session Moderator



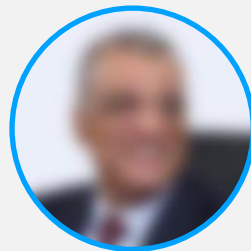
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UNIDO



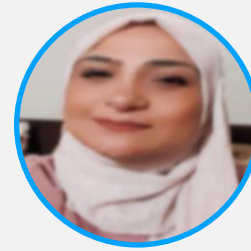
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GLOBAL ECO-INDUSTRIAL PARKS PROGRAMME



The Global Eco-industrial Parks Programme (GEIPP) - Egypt Intervention (EIP Egypt)

R.P.Singh and Shahenaz Fouad

Contents:

- EIP for Egypt
 - Genesis ,
 - Project, Plan & Approach
 - Expectations and Deliverable

- Status and actions
 - Progress against targets
 - Activates in plan
 - Lessons and Planned Solutions

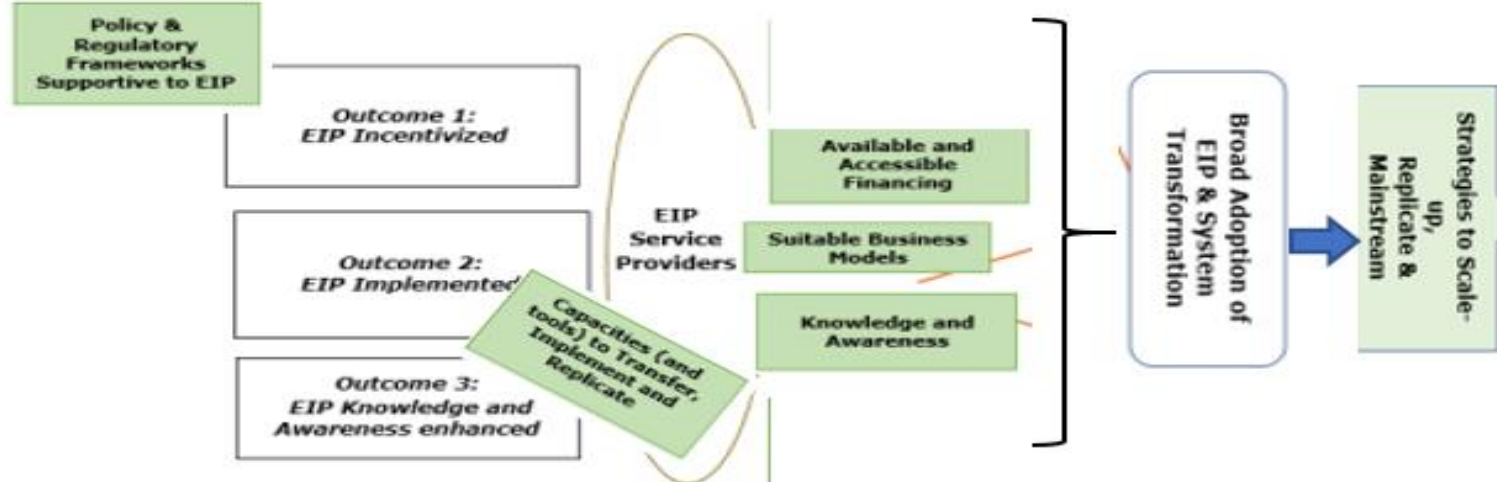
Genesis

- Built experiences from UNIDO activities
- Exploration under GEIPP and SECO priority
- 7/12 countries – Egypt EIP recommended
 - EIP Framework (WB,GIZ & UNIDO) used
 - Experts explored Industries, Parks, institutions, Policies etc.
 - Pilot identifications: 3 IPs (SCZONE, Robbiki, Polaris)
 - EIP selection criteria (E,E,S), Risk (Tech, Pol, S, Fin..) + Pilot (visibility / replicability)



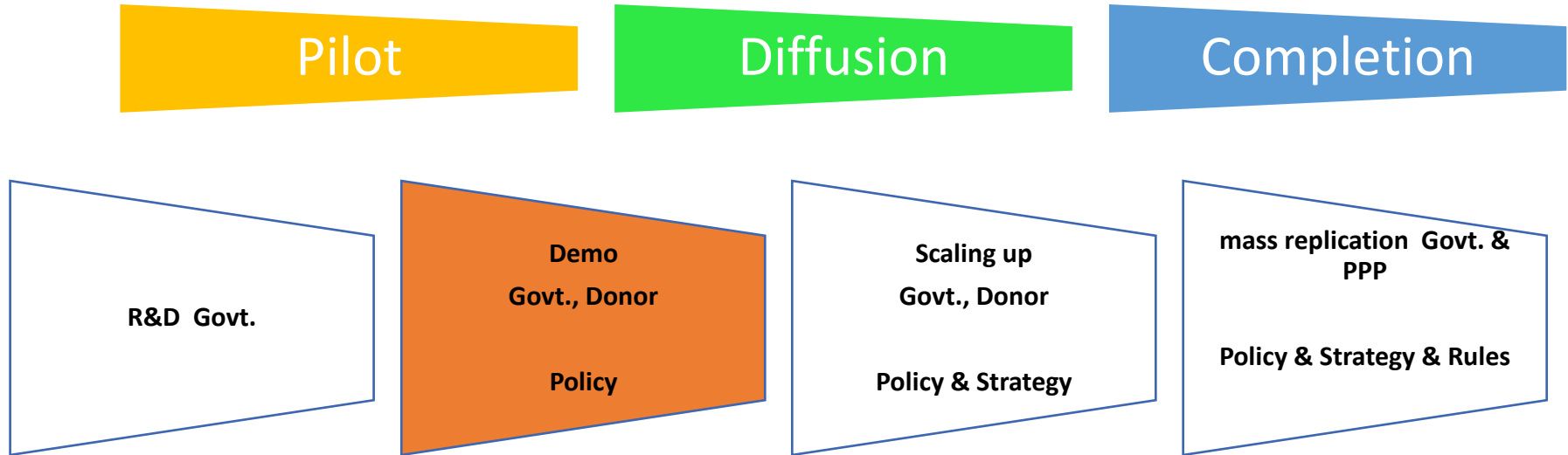
Project, Plan & Approach

- UNIDO TOC: Mainstreaming, Replication and Scaling Up
 - Participatory, analytical diagnostic, strategic framework with clear roadmap and finally M&E, learning and reporting



Approach, Expectations and Deliverable

- Transformation of IP into EIP – in steps



Expectations (Challenges to overcome)

Transformation to pass through **TRANSITION** (often less focused)

Top Down approach (Resource, knowledge, influence, impact erodes)

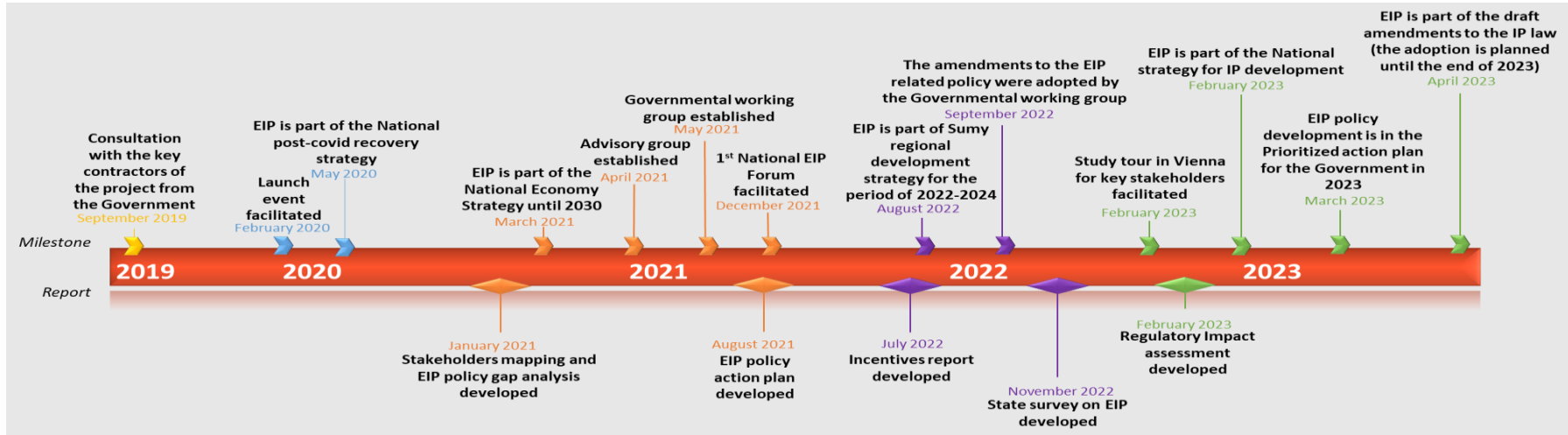
Vs

Bottom Up approach (scattered, multiple challenges, hard to communicate, convince and consensus building, but must for confidence building and mass support)

SOLUTION

Interactive and mid-way (linking approach) initiative

Work to be organized: Policy (example from Ukraine)



Capacity building

Professionals (international and nationals), relevant institutions,
Consulting firms etc.

- Awareness, interest, knowledge and commitment for EIP:
- Local professional Expertise
- Support institutions (R&D, Finance. Tech.,etc.)
- Business and network establishment Establishing Industrial Waste Exchange Platform
- Resource availability and mobilization

Demo and Capacity building at IPs

SCZONE, Robbiki and Polaris **IPs** where pilot actions are ongoing

DE carbonization and efficiency:

$$\text{CO}_2 = \text{P} \times \text{S} \times \text{E} \times \text{C}$$

PEOPLE SERVICES PER PERSON ENERGY PER SERVICE

Industrial Symbiosis

Park management

Support
infrastructure

Industrial Waste
Water Treatment

Industrial Waste
Water Treatment

Parks community
coordination

GEIPP – Egypt Intervention

- Project budget: 1.672.536 Euros
- Project period: 36 months (signed on 17 January 2022)
- Funded by State Secretariat for Economic Affairs (SECO)
- Main partner: Ministry of Trade and Industry
- Other partners: Suez Canal Economic Zone, General Authority for Investment and Free Trade, Industrial Development Authority

Component 1: EIP mainstreaming in relevant policies and regulations



Raise awareness among key stakeholder groups (government, park management, tenants and service providers in private and public)

Provide training activities (training activities for UNIDO EIP tools, training of trainers (TOT) activities to expand the pool of local consultants, translation of UNIDO tools to Arabic, introduction to curriculums)



Provide policy support (stakeholder mapping, policy gap analysis, policy support activities to develop EIP roadmap)

Capacity Building and Awareness Activities

Social performance and capacity building	
Number of SME-staff trained (tenant companies)	143
Number of industrial park management-staff trained	83
Number of involved staff from relevant governmental agencies	195
Number of trained service providers	53

Component 2: EIP Approaches Implemented in pilots IPs



Undertake performance monitoring and benchmarking to track progress of EIPs against set objectives

Scope interventions to identify and prioritize EIP activities



Raise awareness and provide technical support to upscale resource efficiency and industrial synergies/symbiosis. RECP and industrial synergies increase efficiency and reduce risks to humans and the environment



Industrial and urban symbiosis (industrial symbiosis workshops implemented to identify opportunities)

Potential activities to be implemented with the Industrial Parks Management

Interventions could include

- assistance to establish EIP Management Unit
- provision of capacity building to establish EMS and EnMS
- assistance to establish Risk Management Systems, Hazardous Substances Management
- expansion of IP services (e.g. maintenance services, collective stores)
- assess parks' environmental problems (e.g. solar power generation, wastewater problems, sludge problems, waste problems)

Preliminary opportunities/challenges	Planned Solutions
Park Management (PM) does not always see the benefits of having an active role	Results of Park Management Interventions after implementation should be documented and shared
Communication between Park Management and tenants needs strengthening	Encourage and support PM to conduct tenants' satisfaction survey on a periodical basis
Tenants might not see the benefits of implementing RECP and energy efficiency solutions at their facilities	Demonstration of RECP and energy efficiency opportunities to be documented and shared
Industrial symbiosis and synergies opportunities are not known between PM, tenants and services provider	Demonstration of Industrial symbiosis and synergies opportunities to be documented and shared



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Thank you

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