



The EIP concept, its benefits and advantages

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What is an eco-industrial park?

“A community of manufacturing and service businesses located together on common property. Member businesses seek *enhanced environmental, economic, and social performance* through *collaboration* in managing environmental and resource issues”
(Lowe, 2001)



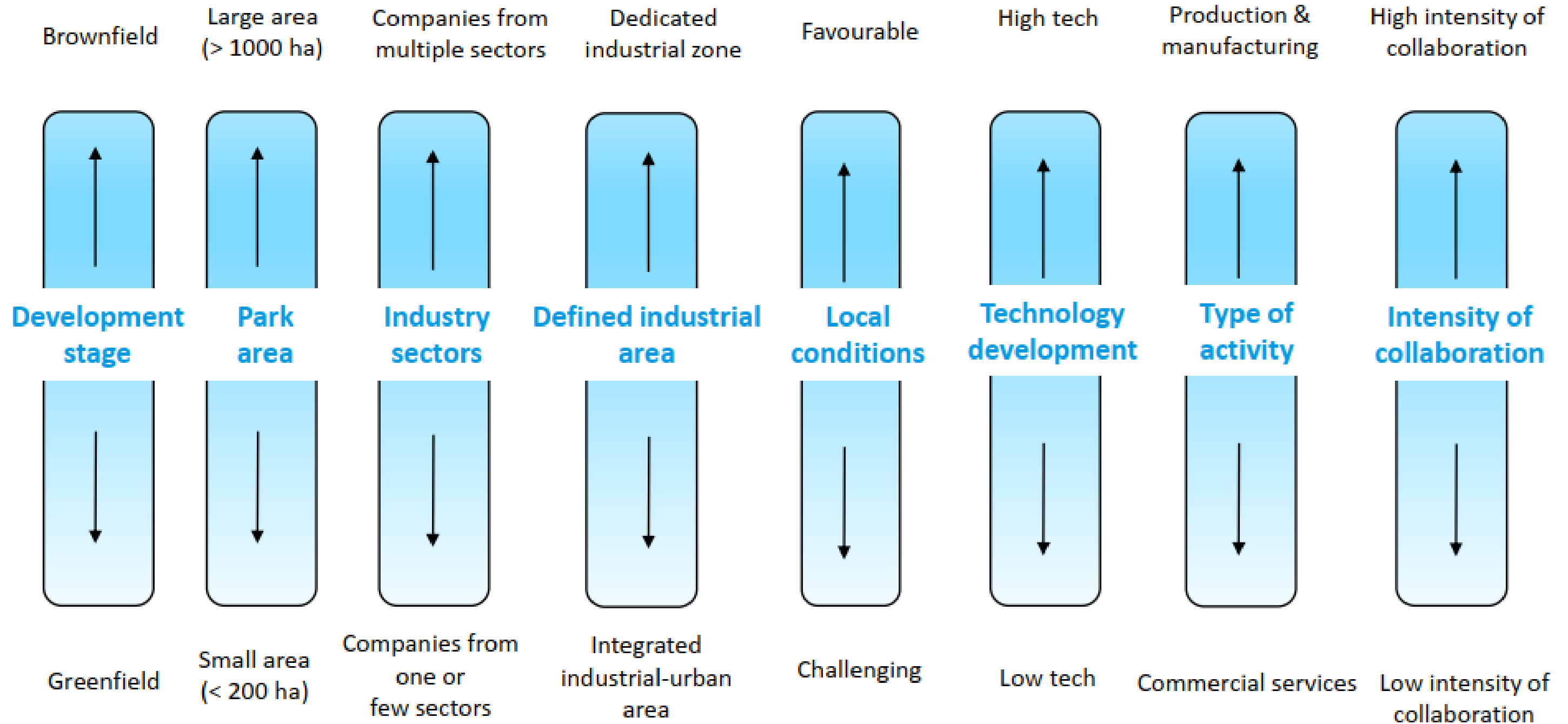
The EIP approach is to create more resource efficient and cost-effective industrial parks that are more competitive, attractive to investment, and resilient to risks.



About the Eco-Industrial Park

Various terminologies are used internationally, but they are all based on the same principles and concepts

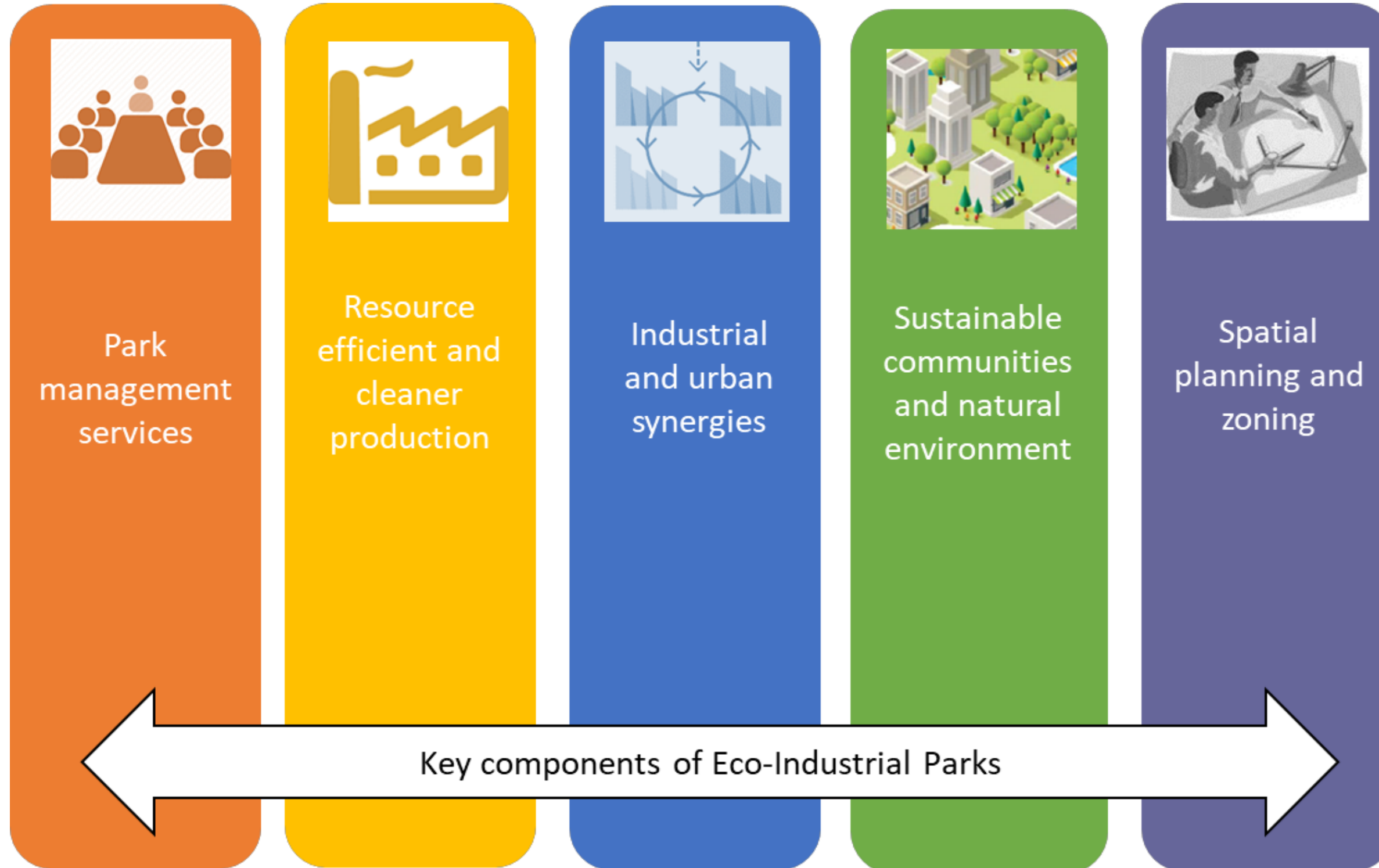
Combinations of related EIP terminology used internationally		
Eco	Industrial	Park
Sustainable	Manufacturing	Zone
Low carbon	Investment	Area
Green	(Special)	Cluster
Circular	Economic	Estate



**EACH INDUSTRIAL PARK IS UNIQUE,
SO NEED FOR CUSTOMISED SOLUTIONS AND OPPORTUNITIES**



Key components of EIP

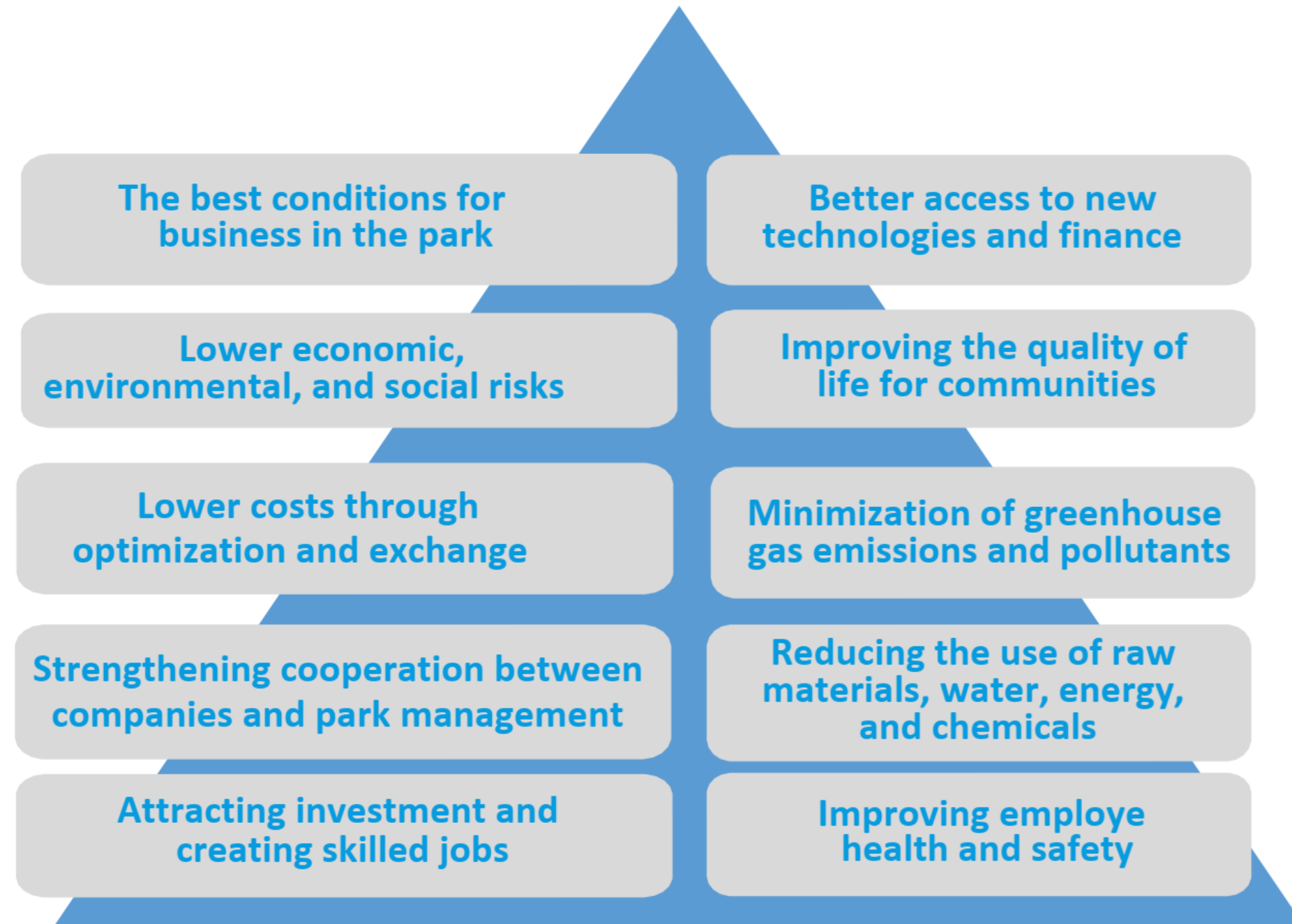




Key advantages of applying EIP approaches to industrial park planning



It makes sense for businesses to work on EIP
Economy, environment, and society are truly integrated topics





Examples of good international practice show that Eco-Industrial Parks (EIPs) offer a variety of **economic, environmental, and social advantages** that go beyond traditional business advantages (**UNIDO, 2016a; Van Berkel, 2006; GSB, 2016**).



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Advantages of transformation into an EIP

The main benefits of transformation into an EIP include:

- the possibility of reducing environmental impact;
- contributing to increased production efficiency and profitability;
- improving community unity;
- resilience to risks, better access to financial and technical support;
- increased competitiveness.

International experience shows that EIPs have many economic, environmental, and social benefits. They can go way beyond the traditional idea of “business advantage” because the benefits of EIPs aren’t just commercial. EIPs increase competitiveness, help businesses grow, and improve their reputation. The 2016 UNIDO study frequently mentioned such benefits of the EIP as easier access for residents to finance and technical support, as well as various achievements in the field of legal regulation, economic and social development.





Advantages of EIP

From the point of view of industrial competitiveness, the main drivers for eco-industrial parks are:

- ✓ reducing operating costs and increasing productivity;
- ✓ greening supply chains and value creation;
- ✓ mitigating the effects of climate change;
- ✓ improving safety, management, and increasing the efficiency of resource use (e.g., materials, water, energy);
- ✓ reducing business risks by treating environmental and social risks as having economic consequences;
- ✓ addressing environmental and social issues relevant to the local community and government in order to obtain a long-term license for industrial parks to operate.





Benefits of an EIP

EIPs can offer various forms of economic benefits, including new business opportunities and new jobs. It is difficult to identify all the indirect benefits of EIPs, but they are becoming increasingly important in terms of the long-term sustainability of parks and businesses.

The main economic incentives for the EIP are:

- reducing operational costs
- improving employee qualifications
- enhancing resilience
- better access to finance
- improving market competitiveness
- new market opportunities
- attracting businesses to parks as suppliers
- knowledge and technology transfer (from EIP), international industrial practices and approaches
- increasing local wealth and employment



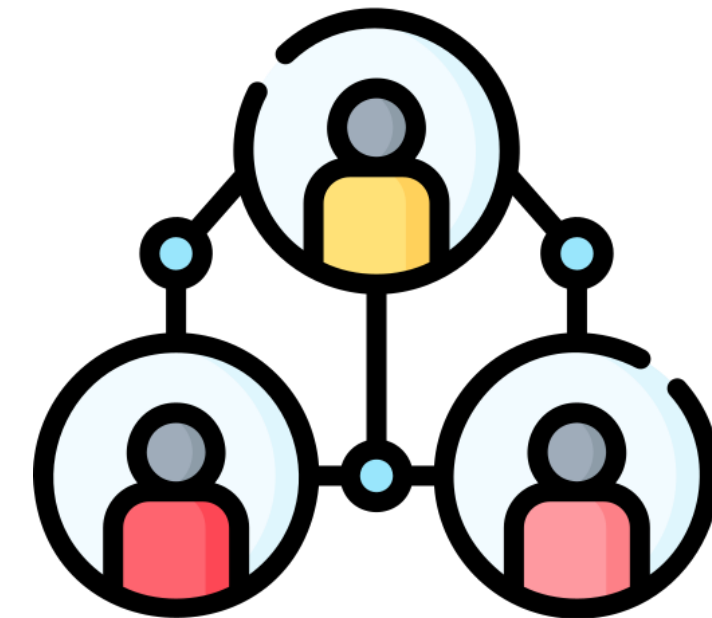


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Benefits of EIP



Some eco-industrial parks report an increase in foreign direct investment. There are also direct and indirect benefits that are often more difficult to quantify, but they are important for the long-term economic sustainability of the park and companies. These include **social benefits** such as indirect job creation through staff training and skills development, technology transfer, positive image building, the demonstration effect of applying best practices, and regional development.





Benefits of EIP

The environmental benefits of implementing eco-industrial park approaches are very diverse. These include:

- reducing pollution levels,
- more efficient use of resources (e.g., raw materials, water, energy),
- conservation and protection of biodiversity and nature,
- reduction, reuse, and recycling of waste,
- related risks mitigation and reducing costs for purchasing raw materials and other resources (water, energy, heat etc.).

In addition, improved management of chemicals and hazardous substances in an eco-industrial park will yield significant environmental benefits.





The EIP concept

The concept of eco-industrial parks combines two ideas: sustainability and industrial cleanliness

However, the main factor in the success of eco-industrial parks is the financial benefits obtained through the interaction of many factors, and it is the active participation of companies seeking to generate profits over a long period of time that is a prerequisite for success.





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Thank you

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