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# EU4Environment

Armenia, Azerbaijan, Belarus, Georgia, Republic of Moldova, Ukraine

## Conducting Feasibility Assessments for Implementing Eco-Industrial Parks in Moldova

Workshop/Training for  
**FEZ Valkanes**

Agenda

Two-day virtual event

Thursday 15 July 2021 | 13:30 – 17:00 (Chisinau time)

Friday 16 July 2021 | 9:30 – 17:00 (Chisinau time)

### Disclaimer

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## Conducting Feasibility Assessments for Implementing EIPs in Moldova Workshop and Training for FEZ Valkanes

15 - 16 July 2021

### Background

Industrial parks and free economic zones have long proved to be an effective tool for attracting investments and advancing regional development. At the same time, their means of operation, despite the obvious economic and social benefits (increase in production volumes, increase of exports, the creation of new jobs, etc.), have also led to negative outcomes - a significant anthropogenic load on the environment, high risk of man-made disasters, the possible deterioration of living conditions for the local population, etc. To recognize the need to address these issues and achieve the goals of sustainable development, a number of developed countries such as Denmark, France, Japan, the Republic of Korea and others have included the creation of eco-industrial parks on the agendas of their national industrial policies.

In general, an eco-industrial park is a community of manufacturing and service-based businesses which are located together and operate on a common property. The member businesses then seek enhanced environmental, economic, and social performance through collaboration in managing environmental and resource issues. By working together, the community of businesses seeks a collective benefit that is greater than the sum of individual benefits each company would realize by only optimizing its individual performance.

Overall, there are more than 300 eco-industrial parks in the world, most of which being created by modernizing existing industrial zones. The most famous examples of eco-industrial parks are the Port of Rotterdam (Netherlands), Knapsack Chemical Industrial Park (Germany), Ulsan Miro-Onsan Industrial Park (South Korea), Keystone Industrial Port Complex (USA), Kaiserbarac Industrial Park (Belgium), and Tianjin District of Economic and technological development (China), to name a few.

On the global level, the concept of eco-industrial parks is promoted by the United Nations Industrial Development Organization (UNIDO), the World Bank Group, and Deutsche Gesellschaft für Internationale Zusammenarbeit (German Development Cooperation) (GIZ) GmbH. In order to converge different approaches to the standard degree of eco-industrial parks used at the national levels, in 2017, these organizations have prepared an International Framework for Eco-industrial Parks, where they defined the qualitative and quantitative characteristics of such constructs.

The most important characteristics of an (eco-)industrial park are thus:

- the presence of a geographically delineated plot of land provided with infrastructure,
- the existence of a single governing or administration body, and
- a general planning of the development of the territory.

These criteria allow us to consider the existing Industrial Parks (IPs) and Free (special) Economic Zones (FEZ) as potential objects for the creation of eco-industrial parks in Moldova.

The eco-industrial parks feasibility study falls under the implementation process of the EU4Environment Action in Moldova. The Action is funded by the European Union and implemented in this area by UNIDO, supported in delivery by International EIP Experts from Sofies as well as National IP and RECP experts. In accordance with the national action plan for the implementation of the EU4Environment Action and in agreement with the Ministry of Economy & Infrastructure (MEI) as well as Ministry of Agriculture, Regional Development & Environment (MARDE) in

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Moldova, IP Tracom and FEZ Valkanes are designated as pilot territories for testing and introducing the methodological elements of an eco-industrial park.

### **The scope of the workshop**

The purpose of this event is to raise awareness about the approaches and advantages of creating an eco-industrial park, the best practices to increase resource efficiency through the methodology of resource-efficient and cleaner production (RECP), as well as through industrial symbiosis. The workshop is focused at the representatives of the administration of the FEZ Valkanes, as well as to managers and specialists of resident enterprises.

### **Date and platform**

The 2 day interactive workshop/training event will be organized on the 15 July between 1:30 PM and 5:00 PM and 16 July 2021 between 9:30 AM and 4:30 PM Moldova time. It will be organized online using the Zoom platform:

#### **DAY 1 - Thursday 15 July 2021 13:30 – 15:45 (EET)**

Session 1 – open to all

Registration link: <https://bit.ly/3wpKKzJ>

Session 1D

Zoom link: <https://us06web.zoom.us/j/84521494400>

Meeting ID: 845 2149 4400

Passcode: 327473

#### **DAY 2 Friday 16 July 2021 9:30 – 17:00 (EET)**

Session 2 and Session 3

Zoom link: <https://us06web.zoom.us/j/87625519729>

Meeting ID: 876 2551 9729

Passcode: 626663

Simultaneous English-Russian interpretation will be provided during the entire event.

For more information, please contact Mr. Vadim Iatchevici at [vadim.iatchevici@gmail.com](mailto:vadim.iatchevici@gmail.com)

### **Participants**

The target audience for this workshop is composed of:

- Tenant companies/industries of FEZ Valkanes
- Key representatives of FEZ Valkanes Administration;
- Relevant national and local authorities;
- The National Focal Points (NFPs) from the Ministries of Economy and Environment;
- The National Action Coordinator (for EU4Environment);
- UNIDO;
- Professionals carrying industrial development activities in the Plot;
- Relevant CSOs/NGOs and research institutions.

The workshop will aim to have a minimum of 10 participants (just with IP Administration) and up to 20 participants (including IP tenants). The participation details will be distributed by e-mail by UNIDO and the National Partner Institutions. Invitations will be sent by NIP to the registered participants highlighting the benefits of this workshop. A recording of the workshop will be made available as a training video for the wider audience upon the completion of the workshop.

### About EU4Environment

The “European Union for Environment” (**EU4Environment**) aims to help the six partner countries: Armenia, Azerbaijan, Belarus, Georgia, Republic of Moldova, Ukraine preserve their natural capital and increase people's environmental well-being, by supporting environment-related action, demonstrating and unlocking opportunities for greener growth, and setting mechanisms to better manage environmental risks and impacts.

The programme is funded by the European Union and implemented by five partner organisations: OECD, UNECE, UNEP, UNIDO and the World Bank, based on a budget of some EUR 20 million. The programme implementation period is 2019-2022.

For further information on the programme, please visit: [www.EU4Environment.org](http://www.EU4Environment.org)

### AGENDA - (15 July 2021) Day 1: Session 1: Introduction to EIP

| Time                 | Item   |
|----------------------|--|
| 01:00 PM - 01:30 PM  | Registration of participants attending in person ( <i>sign-in sheet to be shared for each session</i> )  |
| 01:30 PM – 01:50 PM  | <p><i>Welcome and Introductions</i></p> <ul style="list-style-type: none"> <li>• Welcome speech - <i>the FEZ Valkanes</i></li> <li>• Welcome speech - <i>Ms. Carolina Gonzalez, Project Manager, UNIDO Department of Environment</i></li> <li>• Introduction of trainer and participants</li> <li>• Introduction of the aim and objectives of the workshop – <i>Ankit Kapasi, International EIP expert, Sofies</i></li> </ul>  |
| 01:50 PM – 02 :40 PM | <p><b>Session 1A: Introduction to Eco-Industrial Parks</b><br/><i>Ankit Kapasi, Sofies</i></p> <ul style="list-style-type: none"> <li>• <i>Types of IPs, definition, terminologies, key components, benefits, and practical examples</i></li> </ul> <p><b>Session 1B: EIP Management by IPs and FEZs</b><br/><i>Ankit Kapasi, Sofies</i></p> <ul style="list-style-type: none"> <li>• <i>Management of EIPs, Key functions of Park Management , Management models, Added value services</i></li> </ul> |
| 02:40 PM – 02:50 PM  | <b>Discussion and Q&amp;As: Session 1A &amp; 1B</b>  |
| 02:50 PM - 03:00 PM  | <b>Tea/Coffee break</b>  |
| 03:00 PM – 03:35 PM  | <p><b>Session 1C: EIP Feasibility (Baseline and Opportunity Assessments) of IPs and FEZs</b><br/><i>Ankit Kapasi, Sofies</i></p> <ul style="list-style-type: none"> <li>• <i>The international framework for EIPs</i></li> <li>• <i>EIP requirements of the framework</i></li> <li>• <i>Introducing the EIP Assessment tool</i></li> </ul>   |

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|----------------------------|---|
| <b>03:35 PM – 03:45 PM</b> | <b>Discussions and Q&amp;As: Session 1C</b>   |
| <b>03:45 PM – 04:50 PM</b> | <b>Session 1D:</b> EIP Feasibility Assessment (Park Management, Environment (partial))<br><i>Ankit Kapasi, Sofies &amp; Vadim Iatchevici, National Industrial Park Expert</i> |
| <b>04:50 PM – 05:00 PM</b> | <ul style="list-style-type: none"> <li>Summary of the day and plan for next day</li> </ul>  |

### DRAFT AGENDA (16 July 2021)

#### Day 2: Session 2: EIP Feasibility Assessment (using the EIP Assessment tool) (Session for FEZ Valkanes Park Administration only)

| Time                       | Item   |
|----------------------------|--|
| <b>9:30 AM - 10:00 AM</b>  | <b>Registration of participants (attending in person)</b>  |
| <b>10:00 AM - 10:45 AM</b> | <b>Session 2A:</b> EIP Feasibility Assessment (Environment (continued from last session))<br><i>Ankit Kapasi, Sofies &amp; Vadim Iatchevici, National Industrial Park Expert</i> |
| <b>10:45 PM – 11:45 PM</b> | <b>Session 2A (part 2):</b> EIP Feasibility Assessment (Social)<br><i>Ankit Kapasi, Sofies &amp; Vadim Iatchevici, National Industrial Park Expert</i>                           |
| <b>11:45 AM - 12:00 PM</b> | <b>Tea/Coffee break</b>  |
| <b>12:00 PM – 12:45 PM</b> | <b>Session 2A (part 3):</b> EIP Feasibility Assessment (Economic)<br><i>Ankit Kapasi, Sofies &amp; Vadim Iatchevici, National Industrial Park Expert</i>                         |
| <b>12:45 PM – 01:00 PM</b> | <b>Next steps and plan of action for EIP assessment (additional information and verification of evidence in coming weeks)</b><br><i>All participants</i>                         |
| <b>01:00 PM – 01:40 PM</b> | <b>Lunch (also registration of participants from Tenant companies attending in person)</b>   |

#### Day 2: Session 3: Concept and Implementation of Resource Efficiency and Cleaner Production (RECP) & Industrial Synergies (IS) on FEZ Valkanes (Session for FEZ Valkanes Tenant Companies & Park Administration)

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|----------------------------|--|
| <b>01:40 PM – 02:20 PM</b> | <p>Welcome speech - <i>the FEZ Valkanes (5 minutes max)</i></p> <p><b>Session 3A: Resource Efficiency &amp; Cleaner Production (RECP)</b></p> <ul style="list-style-type: none"> <li>RECP Introduction and drivers</li> <li>RECP in EIP context</li> <li>RECP Practices &amp; Case Studies</li> </ul> <p><i>Ankit Kapasi, Sofies &amp; Vadim Iatchevici, National Industrial Park Expert</i></p> |
| <b>02:20 PM – 03:00 PM</b> | <p><b>Session 3B: Industrial Synergies (IS)</b></p> <ul style="list-style-type: none"> <li>IS Introduction and drivers</li> <li>Types of IS</li> <li>IS Practices &amp; Case Studies</li> <li>Developing IS and the roles of Park Management</li> <li>IS Identification tool</li> </ul> <p><i>Ankit Kapasi, Sofies &amp; Vadim Iatchevici, National Industrial Park Expert</i></p>               |
| <b>03:00 PM – 03:10 PM</b> | <b>Tea/Coffee Break</b>  |

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| <b>03:10 PM – 04:10 PM</b> | <b>Session 3C: RECP and IS Group Exercise</b>   |
| <b>04:10 PM – 04:40 PM</b> | Discussions and feedback from group exercise  |
| <b>04:40 PM – 05:00 PM</b> | <ul style="list-style-type: none"><li>• Q&amp;A on Session 3</li><li>• Summary of the day</li></ul> |

Thank you - *the FEZ Valkanes (5 minutes max)*

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