RECPNet in South-Eastern European Countries for Sustainable Industrial Parks

Workshop on the role of Science/ Technology Parks and Incubators in Innovation Ecosystems
Promoting Technology Transfer and Innovation

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23rd May 2017
RECPNet in South-Eastern European Countries

RECPnet Regional Chapters

- Africa
- Arab Region
- Asia and the Pacific
- Eastern Europe, Caucasus and Central Asia
- Latin America and the Caribbean

RECPnet has 74 members:
- 39 Regular Members
- 29 Observer Members
- 6 Associate Members

Albania
Croatia
FYR Macedonia
Moldova
Montenegro
Serbia
Thematic Areas and Activities

- **Low carbon/climate resilient industries**
  - Regional project meetings, regional training events and joint PR activities
  - RECP assessments at company level
  - RECP service delivery (training of national experts)
  - Joint PR activities

- **Sound chemicals management**

- **Sustainable tourism**

Promoting technology transfer and innovation
Focus on the Danube and Adriatic-Ionian Macro Regions and the Western Balkan countries
## Summary of the results

<table>
<thead>
<tr>
<th>Thematic Area</th>
<th>Experts Trained</th>
<th>Companies Assessed</th>
<th>Options Identified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable Tourism</td>
<td>23 RECP CSR expert</td>
<td>20</td>
<td>255</td>
</tr>
<tr>
<td>Low Carbon</td>
<td>22</td>
<td>22</td>
<td>130</td>
</tr>
<tr>
<td>Chemical Leasing</td>
<td>30</td>
<td>18 companies assessed/Assessments min. 6 companies ongoing</td>
<td>6 new contracts</td>
</tr>
</tbody>
</table>
Activities - Chemical Leasing (ChL)

Training of 10 national experts per country, (in total: 30)

Croatia
Montenegro
Serbia

18 companies assessed/assessment in min. 6 selected companies (ongoing)

Fostering national awareness raising and information dissemination on ChL and Sound Chemicals Management
Activities - Low Carbon

Number of Assessments: 22 companies in the food processing agro-industry sector assessed

Options identified: 130 RECP options

Investment of €13 million and a payback period of 4 years

Reduction in:

- Energy: 132,733 [MWh/y]
- Coal: 140 [t/y]
- Natural gas: 3,300,000 [Nm³/y]
- Oil: 600 [t/y]
- Biomass: 198 [t/y]
- Organic waste: 69,295 [t/y]
- Water: 4,000,000 [m³/a]
- CO₂ emissions by 9,000 t/year
Activities - Sustainable Tourism

Sustainable tourism is tourism that takes full account of its current and future economic, social and environmental impacts, addressing the needs of visitors, the industry, the environment and host communities.

Albania

- Methodology and training approach elaborated and defined

Croatia

- Regional training workshop organized and 22 national experts trained

Montenegro

- Assessments in 20 hotels finalized and success studies prepared

Serbia

Visit to a hotel in Albania

Training in the hotel

Case study example

Focus on the Danube and Adriatic-Ionian Macro Regions and the Western Balkan countries
## Activities - Sustainable Tourism

<table>
<thead>
<tr>
<th>Option type</th>
<th>Number of options</th>
<th>Investment (€)</th>
<th>Savings (€/y)</th>
<th>Average Payback Period (y)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Process control and improved process conditions</td>
<td>25</td>
<td>12,998</td>
<td>4,104</td>
<td>3.2</td>
</tr>
<tr>
<td>2. Product modification</td>
<td>1</td>
<td>3,000</td>
<td>9,583</td>
<td>0.3</td>
</tr>
<tr>
<td>3. Good housekeeping</td>
<td>91</td>
<td>2,871</td>
<td>43,068</td>
<td>0.1</td>
</tr>
<tr>
<td>4. Process/production change</td>
<td>114</td>
<td>1,179,037</td>
<td>505,270</td>
<td>2.3</td>
</tr>
<tr>
<td>5. Input material change</td>
<td>13</td>
<td>106,887</td>
<td>37,808</td>
<td>2.8</td>
</tr>
<tr>
<td>6. Segregation</td>
<td>11</td>
<td>370</td>
<td>4,025</td>
<td>0.1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>255</strong></td>
<td><strong>1,305,163</strong></td>
<td><strong>603,858</strong></td>
<td><strong>2.2</strong></td>
</tr>
</tbody>
</table>
Eco-Industrial Park

- An Eco-Industrial Park is a community of manufacturing and service businesses located together on a common property. Members seek enhanced environmental, economic, and social performance through collaboration in managing environmental and resource issues.

Conclusions

• Network of Cleaner Production Centres exist in Western Balkans
• More than 100 trained professionals in
  • Material Flow Analysis
  • Process optimization
  • Energy Efficiency
  • Sound Chemicals Management
• NCPCs can perform individual and collective RECP assessments in existing industrial zones for their transformation to Sustainable Industrial Parks
• RECP Net in Western Balkans is an excellent platform for implementing Circular Economy in practice and also can connect research with industry
Thank you!

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