GUIDANCE ON HOW TO IMPLEMENT SEPARATE COLLECTION

What is separate collection?
- The Waste Framework Directive (WFD) identifies separate collection as a condition for quality recycling and defines it as: “the collection where a waste stream is kept separately by type and nature to facilitate a specific treatment”.
- For Paper & board, separate collection should set them not only separate from residual waste, but also separate from other recyclables such as plastic, metal or glass.

Why separate collection should be fully implemented in Europe? Which benefits for municipalities & citizens?
- Compliance with European law.
- Homogeneity of the stream means good quality of material and a higher economic and environmental value.
- Maximize recycling rate and best efficiency in all steps of the recycling chain less landfilling & incineration.
- Simple and easy for citizens/final consumers.
- Optimize costs in the recycling value chain.

How should paper and board be collected and sorted to reach the suitable recycling process?

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>Product type</th>
<th>Estimated Discarded Tonnage in Europe</th>
<th>How should it be collected?</th>
<th>Under which paper grades for recycling should it be sorted (EN 643)?</th>
<th>Where will it be normally recycled?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper and board from households</td>
<td>Paper and board packaging</td>
<td>12 million</td>
<td>In the paper and board stream</td>
<td>Into 1.01, 1.02, 1.04, 1.05</td>
<td>In standard board mills</td>
</tr>
<tr>
<td></td>
<td>Printing and writing paper</td>
<td>12 million</td>
<td>In the paper and board stream</td>
<td>Into 1.11</td>
<td>In deinking mills</td>
</tr>
<tr>
<td>Paper Packaging that was in contact with food</td>
<td>Used pizza boxes</td>
<td></td>
<td>If cleaned and only lightly stained in the paper and board stream. If food residues, discarded in the residual stream</td>
<td>Into 1.01, 1.02, 1.04, 1.05</td>
<td>In standard board mills</td>
</tr>
<tr>
<td>Multilayered board</td>
<td>Beverage cartons</td>
<td>under 1 million</td>
<td>With lightweight packaging (drink bottles and cans)</td>
<td>Into 5.03</td>
<td>In mills with special equipment which can use special grades (EN 643 Group 5)</td>
</tr>
<tr>
<td></td>
<td>Used coffee cups</td>
<td>100,000-200,000</td>
<td>In high streets, fast food restaurants: In a specific stream In households: With lightweight packaging (drink bottles and cans)</td>
<td>Into 5.14</td>
<td>In mills with special equipment which can use special grades (EN 643 Group 5)</td>
</tr>
<tr>
<td>Other layered board</td>
<td>Sandwich boxes, microwave trays, other food packaging made mainly from board with significant non-paper constituents</td>
<td></td>
<td>In high streets, fast food restaurants: In a specific stream In households: With lightweight packaging (drink bottles and cans)</td>
<td>Into other grades of group 5</td>
<td>In mills with special equipment which can use special grades (EN 643 Group 5)</td>
</tr>
</tbody>
</table>
ACTION POINTS FOR THE MUNICIPALITIES?

Improve the collection rate of paper and board

- Planning for citizens (collection schedules, distance to containers, location...)
- Information, communication and education about recyclables management and recycling
- Environmental awareness of citizens
- Citizens’ confidence in the system
- Design of containers and collection area
- Citizen motivation

Address related social issues

- Prevent vandalism (excluded theft of paper for recycling)
- Reduce waste picking/scavenging
- Information and communication channels between citizens (or stakeholders) and council

Plan the waste management system

- Technical design of containers
- Collection routes
- Collection system planning

Optimize sorting

- Adapted process to produce required grades of Paper for Recycling
- Sufficient personnel/adapted equipment to ensure quality is achieved
- Regular quality control of the production
- Adapted storage to avoid excess humidity in the Paper for Recycling

Increase the Quality of Paper for Recycling

- Reduce contamination in the containers
- Separation of the two paper fractions (graphic paper and packaging paper & board)