

No Time to Waste

Latvia Waste Law Transposition

Web Seminar: 2020 September 4.

How to get rid of waste incineration?

Dr. Jens Peter Mortensen, Danish Nature

Conservation Association

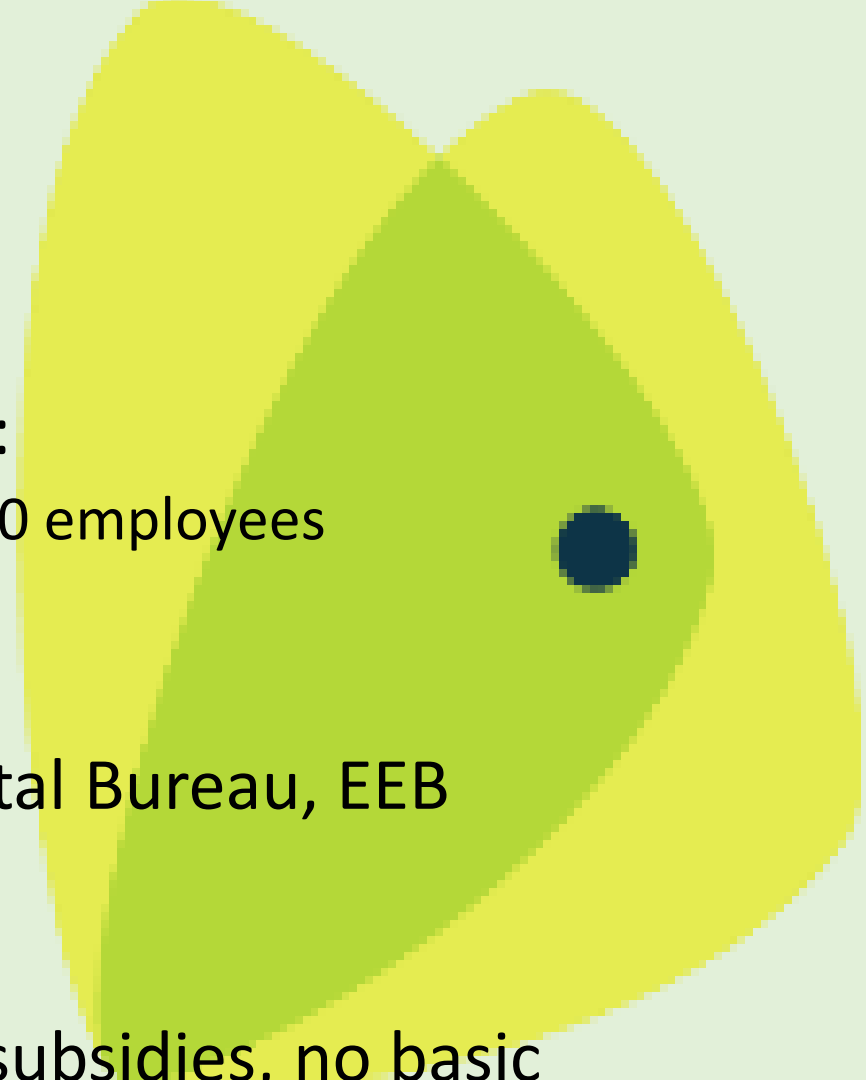
Danmarks

Naturfredningsforening



Organization

- Biggest Danish Environmental NGO (start 1911):
 - 130.000 members, 2-3.000 Local Active, Secretary 70 employees
 - Focus: Nature, Environment, Planning
 - In law implemented hearing and complain rights
- We are a member of the European Environmental Bureau, EEB
 - We participate in several working groups
 - We represent EEB in some cases on request
- Financed by membership fees, no government subsidies, no basic funding from private companies - only joint projects



Danmarks

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Update on Danish Situation

- Situation in Denmark is different than in Latvia:
 - 2 % landfill however with waste incinerators
 - Waste incinerators generate 20 % slag and 2-5 % flue gas treatment residuals which is not included in the accounting as landfill
- The task in Denmark is the same concerning refuse, reuse and recycling but the situation is different and requires other solutions
 - Denmark has a lock-in situation of 12 billion DKR on waste incineration
 - The hope is that Danish solutions can inspire Latvia to go no incinerator way
- At present Denmark got 23 municipal owned waste incinerators
 - Some are old some are new, they have 30 years payback time
 - The burning capacity is app. 4 billion tons per year

The Government Plan

- The government prepared their climate plan creating partnerships:
 - The partnership for water, waste and circular economy was chaired by the managing director of a plastic packaging industry (Plus Pack)
 - They suggested a 90 % reduction of waste incineration in 2030
- The government agreed with the majority in Parliament a 30 % shut down of waste incineration in 2030 but
 - no decision on what installation first and what criteria,
 - the task is on the national Municipal Organization.
- Stop for import of waste for incineration
- No municipal ownership of waste treatment installations
- Municipalities must collect household waste in ten fractions in 2 to 4 bins at the household step

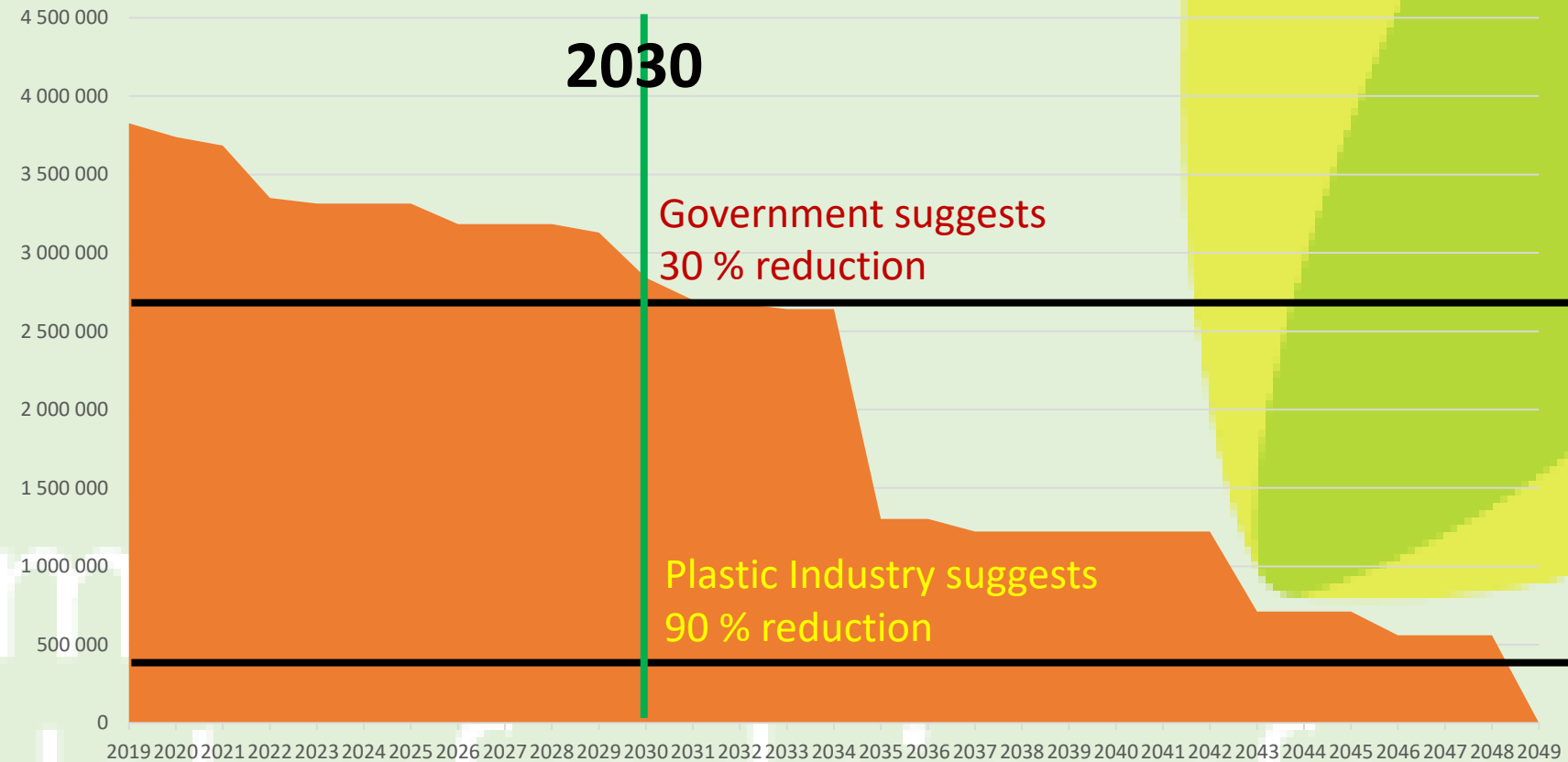


Dokument

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Phase Out of Waste Incineration

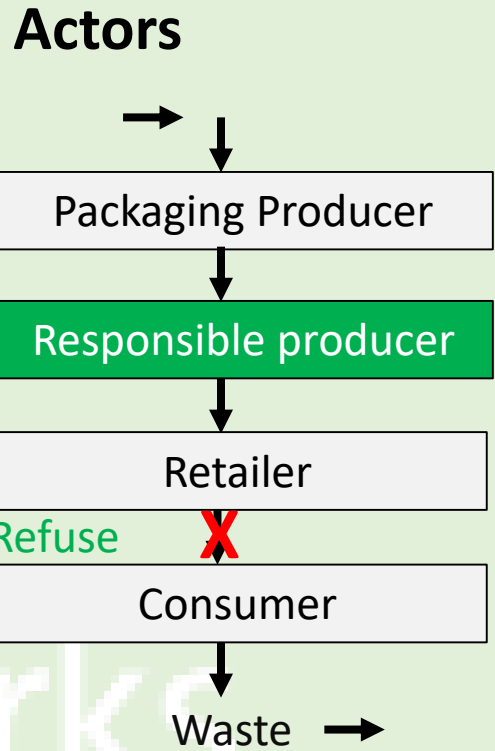
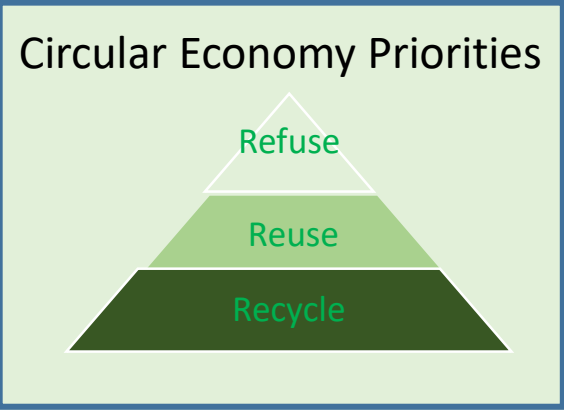
Waste burning in tons per Year



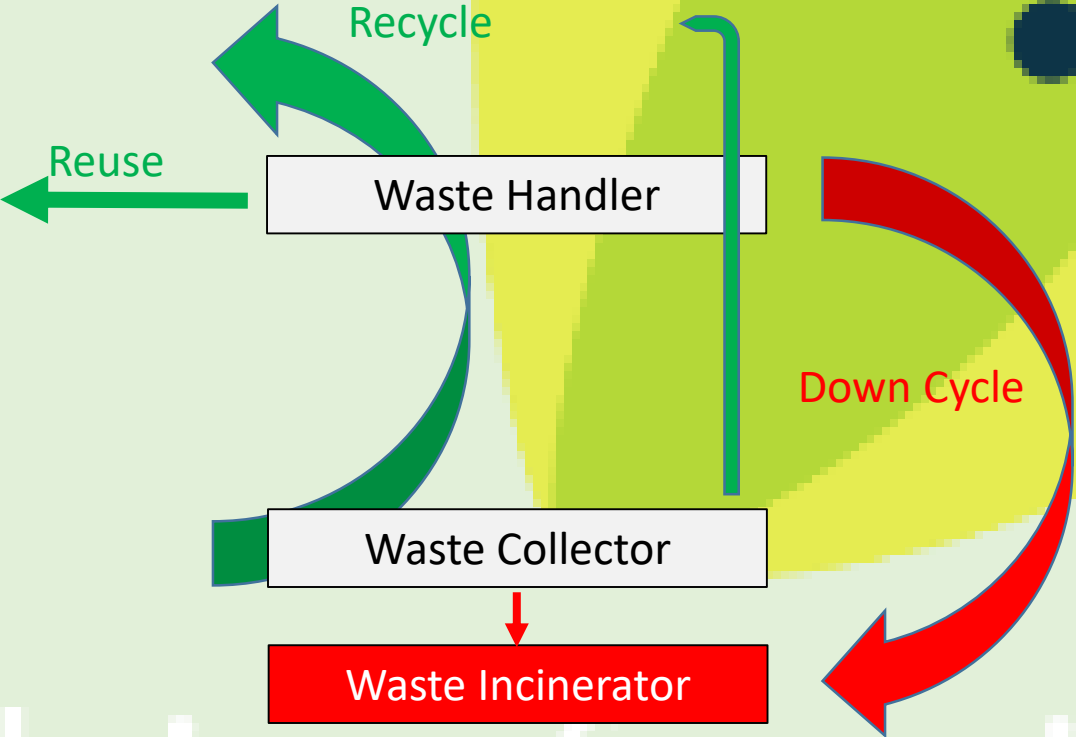
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Naturtredningstøring

Return of Waste to Packaging



The Extended Producer Responsibility



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Lobby Alliances in The CE Strategy

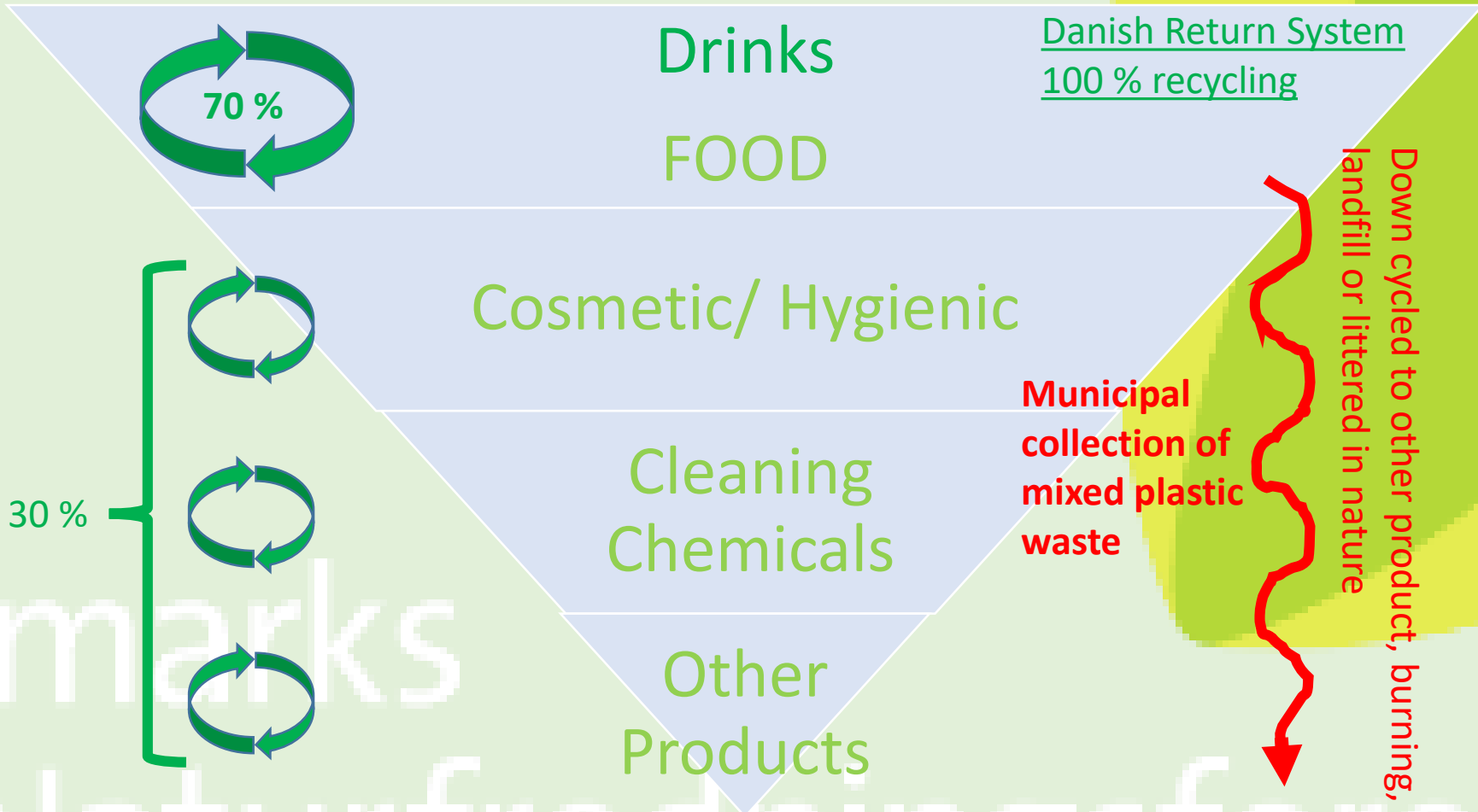
- After the lost battle of the central Copenhagen incinerator
- Lobby alliances with branch organizations;
 - Agriculture & Food (Food industry and retailers), Danish Business (retailers):
 - 2013 - Closing the loops, Zero Wastewater in food industry, BREF notes
- Coca Cola wanting the plastic bottles back!
 - 2016 Shift from Throw Away to EPR
 - Focus on Danish Return System
 - Recycled content in new PET bottles:
 - 2020: 30 %, 2025: 50 %, 2030 100 %
- Later: The Plastic Industry:
 - 2017 – Circular Economy Forum
 - 2019 Guideline for circular plastic packaging



DN Recommendation for First Municipal Steps

- Emptying the residual bin:
 - Apply special recycling treatment of EPS offered by industry
 - Composite materials must apply recycling separately or joint paper waste to paper mills
 - Pizza trays and other food contaminated packaging of paper and card board must apply paper waste alternatively treated in composting installations
- No burning of garden waste and food waste
 - Bio waste contain 80 % water, taken it out will reduce the weight of household waste for burning with 40 % and extend the heat supply with 20 % at the same time
 - Apply bio waste for composting preferable with biogas exploitation
- Apply separate handling of plastic waste from food packaging
 - Focus primarily on transparent recycled PET from food packaging

Product Packaging Separated Plastic Waste



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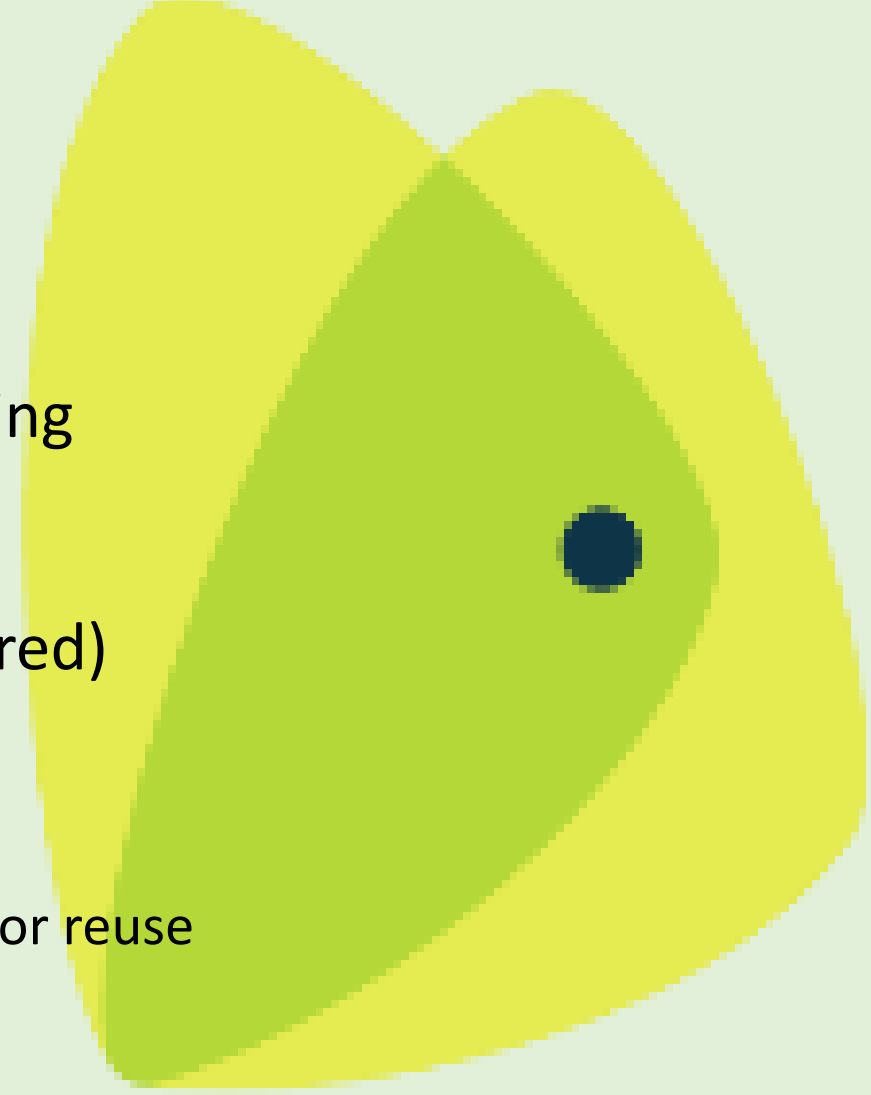
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Sorting Strategy for Plastic

- Automatics must not limiting or governing the sorting
 - Use manual sorting if necessary

First Priorities:

1. Food Packaging of Transparent PET (Black & Colored)
 - Documented not contaminated
 - Good market price and living up to EPR
2. HDPE & PP
 - Good market price for down cycling, can evolve market for reuse
3. Folios
 - Low market price for down cycling if any
 - Consider shift to degradable folios for treatment in industrial composting installations



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Sorting Techniques priority; PET for Food

1. Food packaging
 - Divide lid from bottle, cover from tray etc.
2. Hard plastic
3. PET, engraved plastic type triangle no. 1
4. Transparent, colored and black
5. Engraved company names
(Packaging supplier)

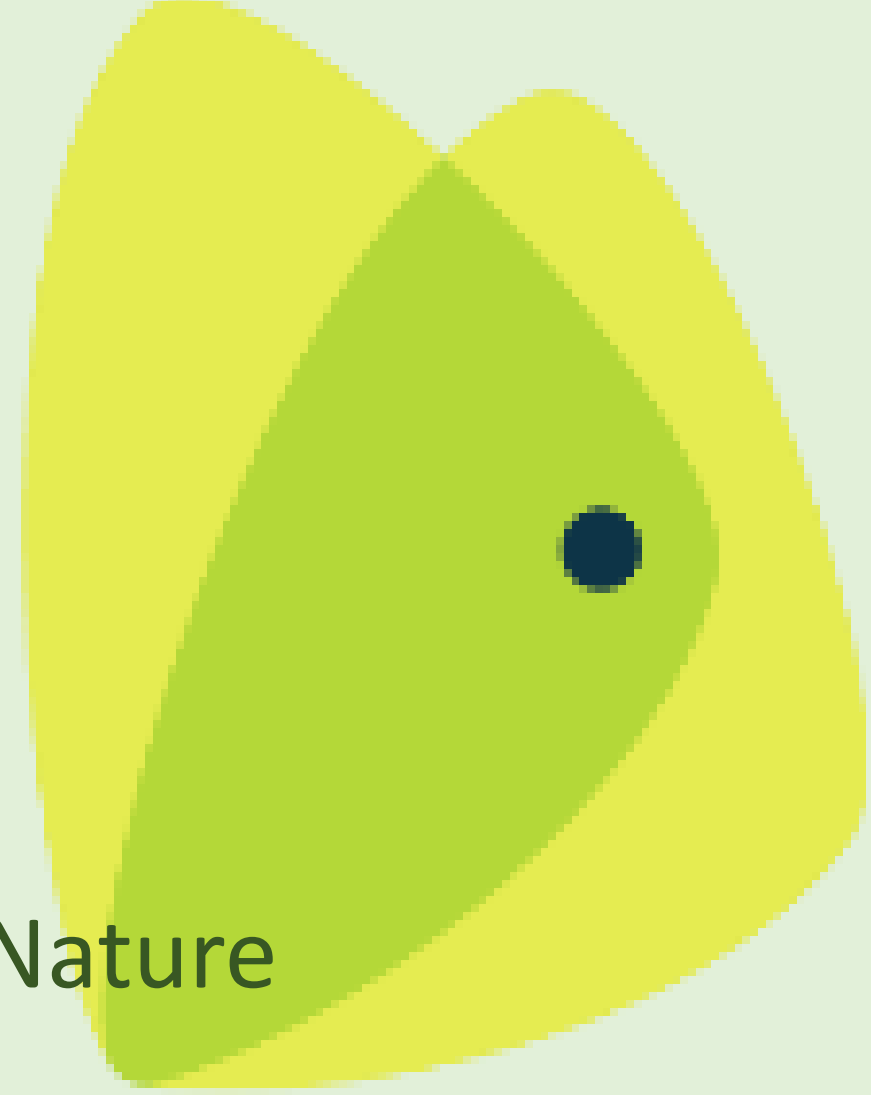


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No Time to Waste
No Time for Waste Incinerators
No burning of Bio Waste
Go for PET for Food
Thank you for listening, pls. act!

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