



Ministry of Environment  
and Food of Denmark  
Department

# The Danish government's plastics action plan - and bioplastic

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# Plastic waste - Sources

## Overall

- **Industry 37%**
- **Households 27%**
- **Service sector 16%**
- **Construction, agriculture, others 20%**

## Packaging

- **Households 48%**
- **Service sector 27%**
- **Industry 22%**
- **Others 3%**

## Recycling

**Households 17%**

**Industry, service sector 55%**

# The action plan - content

- a. SOLUTIONS ACROSS VALUE CHAINS
- b. RESPONSIBILITY FROM CRADLE TO CRADLE
- c. INCREASING RECYCLING OF POST-CONSUMER PLASTICS
- d. HITTING THE RIGHT BIN
- e. USING PLASTICS SMARTER
- f. MAKING INFORMED DECISIONS
- g. SINGLE MARKET FOR CIRCULAR PLASTICS
- h. GLOBAL CHALLENGES CALL FOR COMMON SOLUTIONS



# SOLUTIONS ACROSS VALUE CHAINS

**1.**

**National plastic center – coordinating the Danish plastics efforts:**

- **Value chain collaboration and guide businesses in the transition to a circular plastics consumption.**
- **Knowledge on plastic and disseminates it to citizens and businesses.**
- **Survey of barriers for reuse and recycling of plastics in Denmark.**
- **Develop design manuals for plastics so plastic products are designed for reuse and recycling.**
- **Contribute to the development and establishment of common European design manuals.**

**2.**

**Analysis of Denmark's plastic consumption and management**

**3.**

**Mapping of development and business potentials for Danish plastics companies**

**4.**

**Prioritisation of research and technology development funds**

# Responsibility from cradle to cradle

**5.**

**Sector collaboration within, e.g., agriculture, building, hospitality and tourism, and the retail trade**

**6.**

**The deposit-return system is extended as from 1 January 2020 with a deposit on bottles used for fruit juices and fruit concentrates**

**7.**

**Extended producer responsibility for packaging from 2025**

- **The producer responsibility will promote the environmentally benign design of packaging, including plastic packaging and ensure that packaging is reused and recycled.**

# Boosting recycling of post-consumer plastics

## 8. Standards for sorting and collection of plastics waste collection schemes and sorting criteria

# Hitting the right bin

- 9. Denmark supports the EU Commission's single-use plastics directive**
- 10. National information campaign to reduce littering**
- 11. Fund for local initiatives for cleaning up Danish beaches of plastics**
- 12. Ban on non-degradable ammunition shells**
- 13. Survey of ghost nets in Danish waters and methods for cleanup**

# Using plastics with care

## 14-16. Carrier bags

- Ban on handing out free carrier bags
- Ban on lightweight plastic carrier bags
- Danish consumption of carrier bags must be halved by 2023

## 17. Development of requirements for reduction of single-use plastics consumption at major events

## 18. Analysis of packaging tax on single-use tableware in view of reducing plastics consumption

# MAKING INFORMED DECISIONS

## Microplastic

**19. Ban on intentional addition of microplastics in cosmetics**

**20. National research and innovation network on microplastics**

**21. Knowledge building on microplastics in sewage sludge**

**22. Knowledge building on microplastics release from artificial turfs and possible alternatives**

# MAKING INFORMED DECISIONS

**23. Knowledge building on advantages and disadvantages relating to biobased and biodegradable plastics**

**24. Mapping of PVC products on the Danish market and options for substitution**

# **SINGLE MARKET FOR CIRCULAR PLASTICS**

## **25 . Common European requirements for design for recycling**

## ➤ **23. Knowledge building on advantages and disadvantages relating to biobased and biodegradable plastics**

**Does biobased plastic make sense?**

- **Raw materials for biobased plastic cannot replace feedstock for humans or animals**
- **Biodegradable plastics cannot be mixed with non-degradable plastics in the recycling stream**

- **23. Knowledge building on advantages and disadvantages relating to biobased and biodegradable plastics**
- **Lack of knowledge of degradation products (intermediates?) from biodegradable plastics – under northern conditions, e.g. presence of microplastics in biogas digestate**
- **Need for common European standards on biodegradability, e.g. industrial composting, home composting etc.**
- **Common European dialogue on acceptable applications for biodegradable plastics**

**We are not alone on this uncertainty**

## **12. Ban on non-degradable ammunition shells**

**The use of plastic ammunition shells that do not degrade in nature must be banned.**

**Performance requirements for biodegradability under Danish natural conditions will be drawn up.**

## What else?

- **National Danish Wasteplans**
- **Implementation of Single-use plastic directive**
- **Extended producer responsibility on packaging**

# Questions ?

