

CIRCULAR ECONOMY

Closing the loop

CIRCULAR ECONOMY

Estratégia plásticos e Directiva sobre Plásticos de Uso Único e equipamentos de pesca

*Paulo lemos
DG Environment
7 Junho 2018*

Circular Economy Action Plan



European Commission

>85% do plano já executado

Actions	Timetable
Production	
Emphasis on circular economy aspects in future product requirements under the Eco-design directive	2016 onwards
Eco-design work plan 2015-2017 and request to European standardisation organisations to develop standards on material efficiency for setting future Eco-design requirements on durability, reparability and recyclability of products	December 2015
Proposal for an implementing regulation on televisions and displays	End 2015 or beginning 2016
Examine options and actions for a more coherent policy framework of the different strands of work of EU product policy in their contribution to the circular economy	2018
Include guidance on circular economy into Best Available Techniques reference documents (BREFs) for several industrial sectors	2016 onwards
Guidance and promotion of best practices in the mining waste management plans	2018
Establishing an open, pan-European network of technological infrastructures for SMEs to integrate advanced manufacturing technologies into their production processes	2016
Examine how to improve the efficiency and uptake of the EU Eco-Management and Audit Scheme (EMAS) and the pilot programme on environmental technology verification (ETV)	2017
Develop an improved knowledge base and support to SMEs for the substitution of hazardous substances of very high concern	2018

Consumption	Timetable
Better enforcement of existing guarantees on tangible products, accompanied by a reflection on improvements (upcoming Commission proposal for online sales of goods, and Fitness Check of consumer legislation)	2015-2017
Action on false green claims, including updated guidance on unfair commercial practices	2016
Analysis of the possibility to propose horizontal requirements on repair information provision in the context of Eco-design	2018
REFIT of Eco-label, to be followed by actions to enhance its effectiveness	2016
Assessment of the possibility of an independent testing programme on planned obsolescence	2018
Subject to evaluation of the current ongoing pilots, explore the possible uses of the Product Environmental Footprint to measure and communicate environmental information	2016 onwards
Action on Green Public Procurement: enhanced integration of circular economy requirements, support to higher uptake including through training schemes reinforcing its use in Commission procurement and EU funds	2016 onwards

Waste management	Timetable
Revised legislative proposal on waste	Dec 2015
Improved cooperation with Member States for better implementation of EU waste legislation, and combat illicit shipment of end of life vehicles	2015 onwards
Stepping up enforcement of revised Waste Shipment regulation	2016 onwards
Promotion of industry-led voluntary certification of treatment facilities for key waste/recyclate streams	2018 onwards
Initiative on waste to energy in the framework of the Energy Union	2016
Identification and dissemination of good practices in waste collection systems	2016 onwards

Market for secondary raw materials	Timetable
Development of quality standards for secondary raw materials (in particular for plastics)	2016 onwards
Proposal for a revised fertilisers regulation	Early 2016
Proposed legislation setting minimum requirements for reused water for irrigation and groundwater recharge	2017
Promotion of safe and cost-effective water reuse, including guidance on the integration of water reuse in water planning and management, inclusion of best practices in relevant BREFs, and support to innovation (through the European Innovation Partnership and Horizon 2020) and investments	2016-2017

Analysis and policy options to address the interface between chemicals, products and waste legislation, including how to reduce the presence and improve the tracing of chemicals of concern in products	2017
Measures to facilitate waste shipment across the EU, including electronic data exchange (and possibly other measures)	2016 onwards
Further development of the EU raw materials information system	2016 onwards

Sectorial action	
Plastics	
Strategy on plastics in the circular economy	2017
Specific action to reduce marine litter implementing the 2030 Sustainable Development Goals	2015 onwards

Food waste	
Development of a common methodology and indicators to measure food waste	2016
Stakeholders platform to examine how to achieve SDGs goals on food waste, share best practice and evaluate progress	2016
Clarify relevant EU legislation related to waste, food and feed in order to facilitate food donation and utilisation of former foodstuffs for animal feed	2016
Explore options for more effective use and understanding of date marking on food	2017

Critical raw materials	
Report on critical raw materials and the circular economy	2017
Improve exchange of information between manufacturers and recyclers on electronic products	2016 onwards
European standards for material-efficient recycling of electronic waste, waste batteries and other relevant complex end-of-life products	2016 onwards
Sharing of best practice for the recovery of critical raw materials from mining waste and landfills	2017

Construction and demolition	
Pre-demolition assessment guidelines for the construction sector	2017
Voluntary industry-wide recycling protocol for construction and demolition waste	2016
Core indicators for the assessment of the lifecycle environmental performance of a building, and incentives for their use	2017 onwards

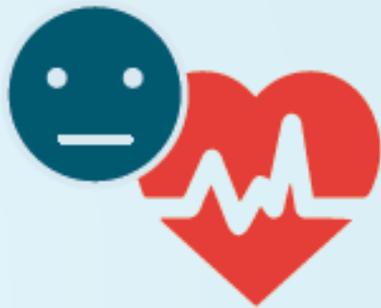
Biomass and bio-based materials	
Guidance and dissemination of best practice on the cascading use of biomass and support to innovation in the domain through Horizon 2020	2016-2019
Ensuring coherence and synergies with the circular economy when examining the sustainability of bioenergy under the Energy Union	2016
Assessment of the contribution of the 2012 Bio-economy Strategy to the circular economy and possible review	2016

Innovation and investments	
Initiative 'Industry 2020 and the circular economy' under Horizon 2020	October 2015
Pilot project for 'innovation dead' to address possible regulatory obstacles for innovators	2016
Targeted outreach to encourage applications for funding under EFSI, and support the development of projects and investment platforms relevant to the circular economy	2016 onwards
Targeted outreach and communication activities to assist Member States and regions for the uptake of Cohesion Policy funds for the circular economy	2016 onwards
Support to Member States and regions to strengthen innovation for the circular economy through smart specialisation	2016 onwards
Assessment of the possibility of launching a platform together with the EIB and national banks to support the financing of the circular economy	2016
Engagement with stakeholders in the implementation of the action plan through existing fora in key sectors	2016 onwards
Support to a range of stakeholders through actions on public/private partnerships, cooperation platforms, support to voluntary business approaches, and exchanges of best practices	2015 onwards

Monitoring	
Development of a monitoring framework for the circular economy	2017

What do Europeans think about Plastics?

Please tell me to what extent you agree or disagree with each of the following statements. (%-EU)



74%
agree

23%
disagree

You are worried about the impact on your health
of everyday products made of plastics



87%
agree

11%
disagree

You are worried about the impact on the environment
of everyday products made of plastics

What do Europeans think about Plastics? / 2

94%

think products should be designed to ease recycling

94%

think that industry and retailers should try to reduce plastic packaging

90%

think local authorities should provide more and better collection facilities for plastic waste

89%

think people should be educated on how to reduce their plastic waste

61%

think consumers should be charged more for single-use plastic goods like cutlery



70%

use fewer single-use plastic bags



34%

avoid single-use goods like cutlery & cups

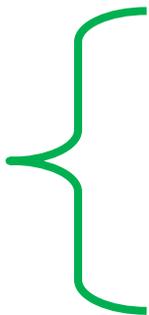


EU average

Eurobarometer 2017



→ Estratégia Plásticos adotada **16 Janeiro 2018**



- **Comunicação & Staff Working Document**
- **Lista de ações UE (39) → maioria 2018/2019**
- **Medidas recomendadas** aos EM
- **Campanha para incorporação de material reciclado (30 Junho 2018)**

UMA VISAO PARA UMA ECONOMIA DOS PLÁSTICOS MAIS CIRCULAR

A indústria dos plásticos do futuro



*Smart
Inovativa
Sustentável*



Todas as embalagens plásticas tem de ser reusáveis ou recicláveis a partir de 2030

Incentivar o **mercado para plásticos reciclados**



Ações relativas a **SUP, microplásticos, plásticos oxo-degradáveis** e revisão da **Directiva Port Reception Facilities**



Strategic Research Innovation Agenda for
Plastics (2018)

Mais 100 Milhões Euros para I&D para plásticos até 2020 no Programa Horizon 2020



Apoio a iniciativas bilaterais e multilaterais para combater poluição marinha e melhorar a gestão de resíduos e a transição para uma economia circular



Implementação da Estratégia dos Plásticos : Reduzir a Poluição Marinha

- Ações relativas a microplásticos e plásticos oxo-degradáveis

Dossier entregue na Agência Europeia dos Químicos para uma possível restrição no âmbito do Regulamento REACH

- Apresentação of a proposta de revisão da Directiva Port Reception Facilities

Inclui medidas para assegurar que os resíduos gerados em navios são trazidos para terra e geridos apropriadamente.



European
Commission

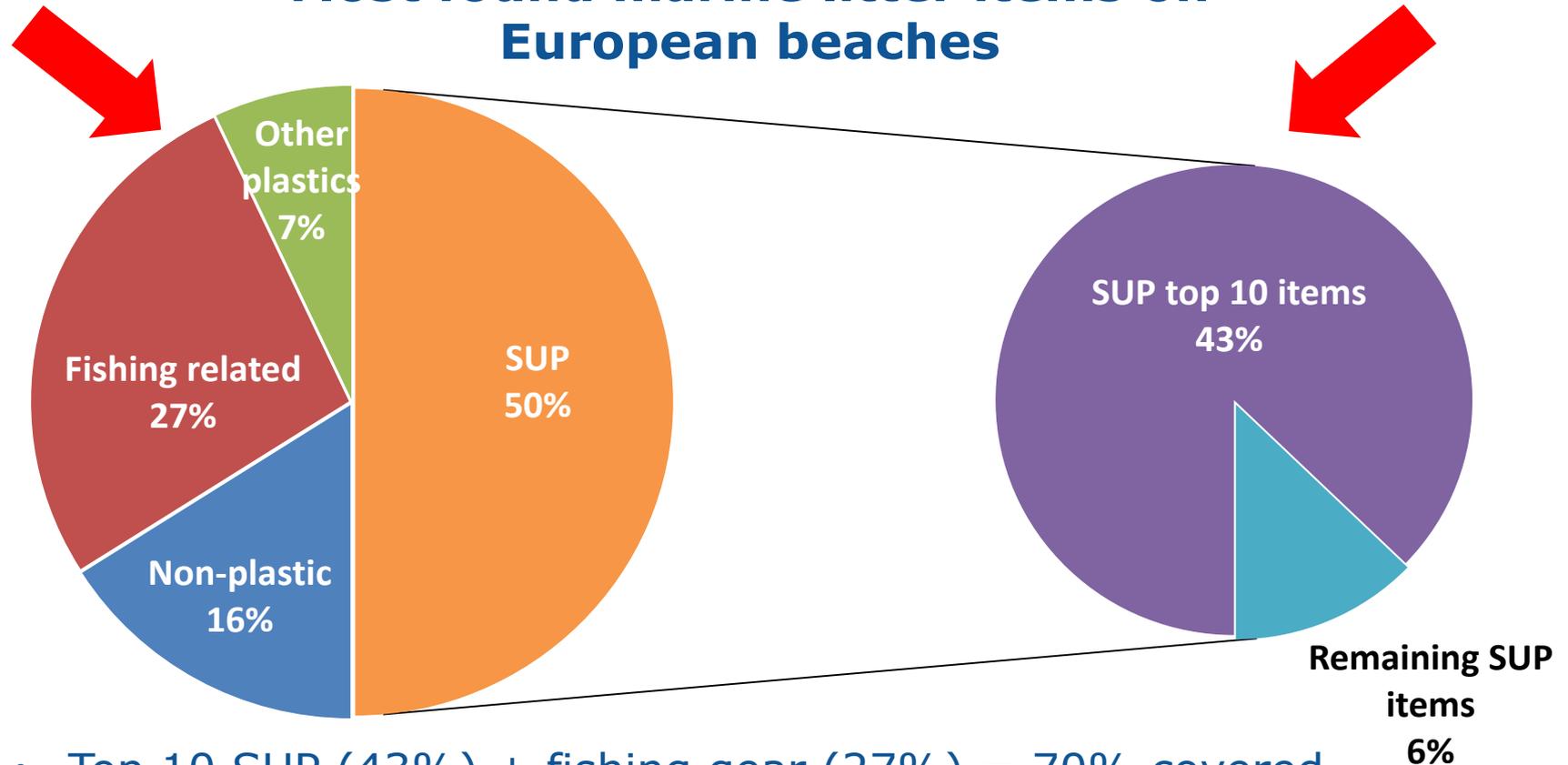
**Jobs,
growth &
investment**

**Circular
Economy
Action
Plan**

**Plastics
Strategy**

**Action on
single use
plastics
and
fishing
gear**

Most found marine litter items on European beaches



- Top 10 SUP (43%) + fishing gear (27%) = 70% covered
- Source:
 - Convenções marinhas Europeias
 - Joint Research Center

Proportional approach



Ranking	Item
1	Drinks bottles, caps and lids
2	Cigarette butts
3	Cotton buds sticks
4	Crisp packets / sweet wrappers
5	Sanitary applications
6	Plastic bags
7	Cutlery, straws and stirrers
8	Drinks cups and cup lids
9	Balloons and balloon sticks
10	Food containers including fast food packaging



Saúde



Degradação de ecossistemas marinhos (13 bilhões Euros/ano)



Pescas aquacultura (1-5% of total dos rendimentos das frotas) e portos/transportes marítimos)



Turismo e comunidades costeiras (>630 milhões euros)



! Não é uma medida contra plásticos



Medidas para promover re-uso, colecta e recuperação de:



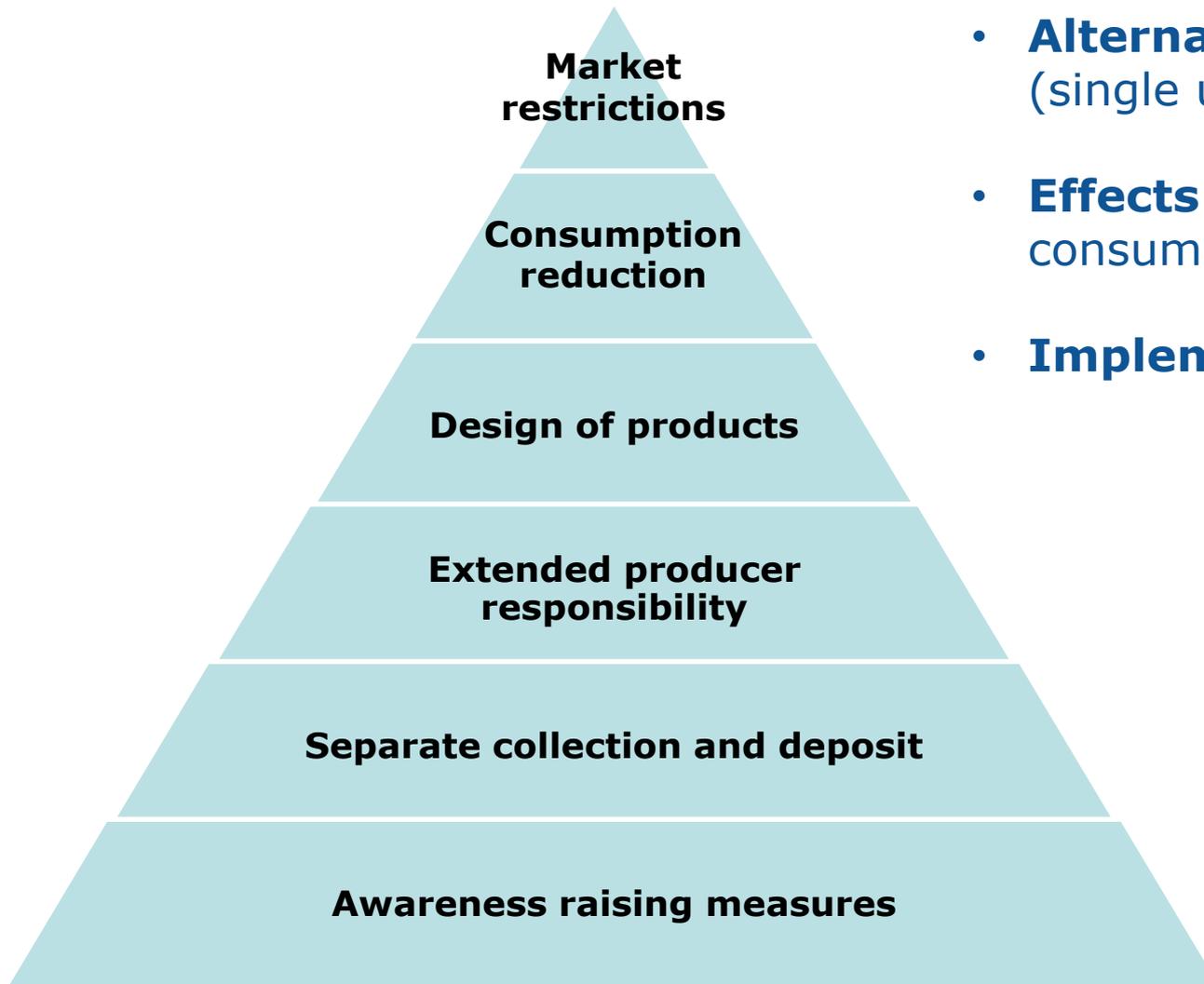
- ◆ Produtos de uso único que são total ou parcialmente feitos de plástico*, que são principais contribuintes para lixo marinho



- ◆ **Equipamentos de pesca feitos total ou parcialmente de plástico**

* definição de plástico – mesma definição de polímero que REACH com exceção de polímeros naturais que não tenham sido quimicamente modificados

Criteria for selecting measures



- **Alternatives** to SUP (single use & multi use)
- **Effects** on consumers/producers
- **Implementation**

	Consumption reduction	Market restriction	Product design requirement	Marking requirements	Extended producer responsibility	Separate collection objective	Awareness raising measures
Food containers	X				X		X
Cups for beverages	X				X		X
Cotton bud sticks		X					
Cutlery, plates, stirrers, straws		X					
Sticks for balloons		X					
Balloons				X	X		X
Packets & wrappers					X		X
Beverage containers, their caps & lids			X		X		X
- Beverage bottles			X		X	X	X
Tobacco product filters					X		X
Sanitary items: - Wet wipes				X	X		X
- Sanitary towels				X			X
Plastic carrier bags					X		X
Fishing gear					X		X

Redução do Consumo

- **Redução Significativa do Consumo** de produtos *on-the-go*:

- Caixas comida
- Copos para bebidas



- Avaliação da redução em 6 anos

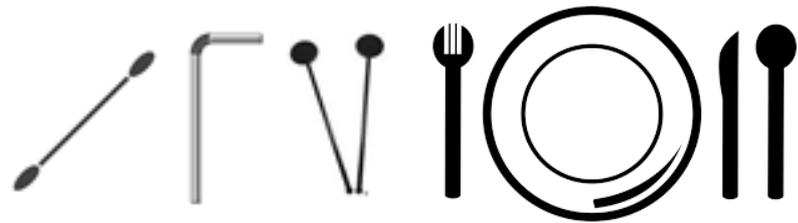


- **Estados Membros escolhem as medidas mais apropriadas**

- Objectivos de redução consumo
- Instrumentos económicos
- Promover aumento da disponibilidade de alternativas e.g. reusáveis.

Restrições de acesso ao mercado

- **Restrições visam conteúdo** plástico, não o produto
- Só produtos que tenham alternativas disponíveis no mercado:
 - Cotonetes
 - Talheres
 - Pratos
 - Palhinhas
 - Palhetas para café
 - Paus para balões
- **Design requirement para garrafas de bebidas** - a tampa tem de ficar ligada à garrafa durante o uso.



Rotulagem e educação/sensibilização

- **Rotulagem** para balões e produtos que são **indevidamente lançados nos sistemas esgotos:**
 - Toalhas sanitárias e tampões
 - Toalhetes
- Harmonização das regras sobre rotulagem
- Campanhas de **educação/sensibilização**



Recolha selectiva



- 90% **Recolha selectiva** para garrafas de bebidas

Como? Sistemas de Depósito ou Responsabilidade Alargada do Produtor



→ A partir de 2025

- Contribui para atingir o objectivo de reciclagem plásticos 55%



→ A partir de 2030



- Contribui para aumentar a procura de matérias primas secundárias fornecendo plásticos de alta qualidade para reciclar

Responsabilidade Alargada do Produtor



Aplica-se a todos os plásticos de uso único e equipamentos de pesca



Responsabilidade financeira dos produtores

- recolha e subsequente tratamento dos resíduos
- recolha do lixo
- educação e sensibilização ambiental



Consistente com requerimentos mínimos para sistemas de RAP definidos no novo pacote resíduos

Compete aos EM estabelecer os objectivos específicos para os sistemas de RAP, incluindo o nível de ambição relativo recolha lixo

Evaluation



- Avaliação da Directiva 6 anos após entrada em vigor

- Relatório da Comissão sobre viabilidade de:

- Rever lista de SUPs no Anexo;
- Estabelecer objectivos de redução consumo para copos e caixas de comida;
- Levantar restrições de colocação no mercado caso existam no mercado alternativas em plástico totalmente biodegradável incluindo em ambiente marinho.



*Reduction of plastics **littering***

> 50% reduction of plastics littering from top 10 **SUP items**

*Avoid **CO2 emissions***

Eq. **3.4 mn tonnes**

*Avoid **environmental damage***

Eq. of **23 bn** benefit

***Savings** for consumers*

≈ **€6.5 bn**

***Jobs** creation*

≈ **30 000**



Waste management costs

≈ **€0.8 bn**

***Costs business:** compliance, commercial washing multi-use items & refill schemes*

≈ **€2.4 bn**



Learn more about the Directive on single use plastics and fishing gear, about the plastics strategy, and about the circular economy

http://ec.europa.eu/environment/circular-economy/index_en.htm