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## Plastic Strategy



- Regional Seas Conventions, UN, G7, G20
- Focus on most polluted rivers

Focused international

actions

Investing on circular

solutions

- Research
- **New Business** Models

All plastic packaging recyclable by 2030

Fee modulation

Curbing marine litter

**Improving** 

reuse and

recycling

- Micro plastics
- Single use plastics
- Marine sources

## What's happening?



New waste legislation (2018)

Plastic Strategy (2018)

Single Use Plastics Directive (2019)

Port Reception Facilities Directive (2019)

**MSFD** 

**Basel Convention** 

## **SUP Directive**



Category 1 – Waste management options in place

• Increase capture rate/recyclability Category 2 -Alternatives available

Stop consumption

Category 3 Alternatives under development

 Limit significantly consumption

Category 4 - No alternatives so far

- Limit damages
- Inform the public



Plastic bottles

- Capture rate 90%
- Caps to be linked with the bottle
- EPR and awareness raising



Cotton buds,

stirrers, cutlery, sticks for balloons • Bans

• 2 year after entry in force



- Plastic containers Significant reduction
  - Similar to plastic bags
  - EPR and awareness raising



Marking (3) products)

EPR and awareness raising

Sanitary, wet wipes, balloons, Cigarette butts, Balloons, Packets and wrappers

### Microplastics: actions





Cosmetics, detergents, paints, Oxo plastics

- Towards general ban
- REACH
- SUP Directive



Tyres, Textiles

- Testing harmonization
- Labelling, minimum requirements



Plastic pellets

- Chain certification
- Permitting



Others

- Research
- Urban waste water treatment



## **REACH** restriction

- Addresses unacceptable EU wide risks to human health or the environment from chemicals
- Same requirements apply to the whole EEA from entry into force
- May apply to any substance on its own, in a mixture or in an article ⇒ can apply to polymers
- Very flexible tool:
  - Can ban specific uses that pose an unacceptable risk
  - Can derogate specific uses that pose no risk, or with relatively low risks and high socio-economic value



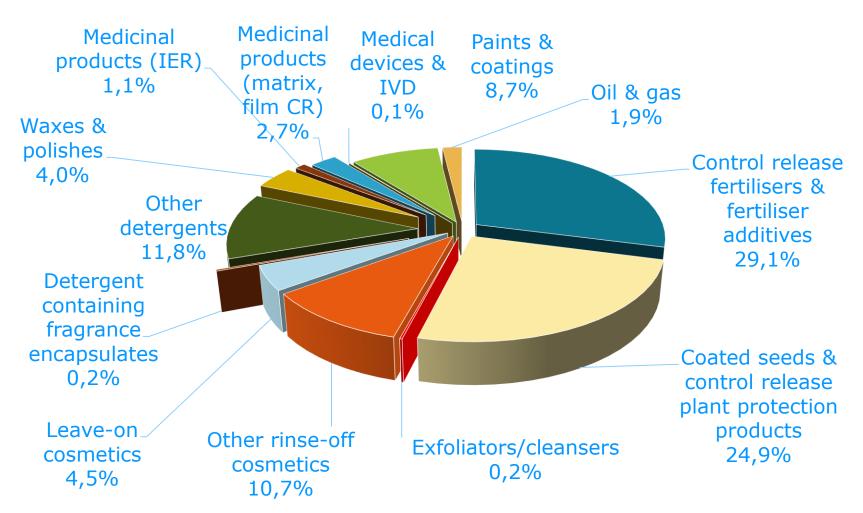
# **Microplastics definition**

**microplastic'** means a material consisting of solid polymer-containing particles, to which additives or other substances may have been added, and where  $\geq 1\%$  w/w of particles have (i) all dimensions  $1\text{nm}^*$   $\leq x \leq 5\text{mm}$ , or (ii), for fibres, a length of  $3\text{nm} \leq x \leq 15\text{mm}$  and length to diameter ratio of >3

<sup>\*</sup> under discussion



# Sectors covered and quantities



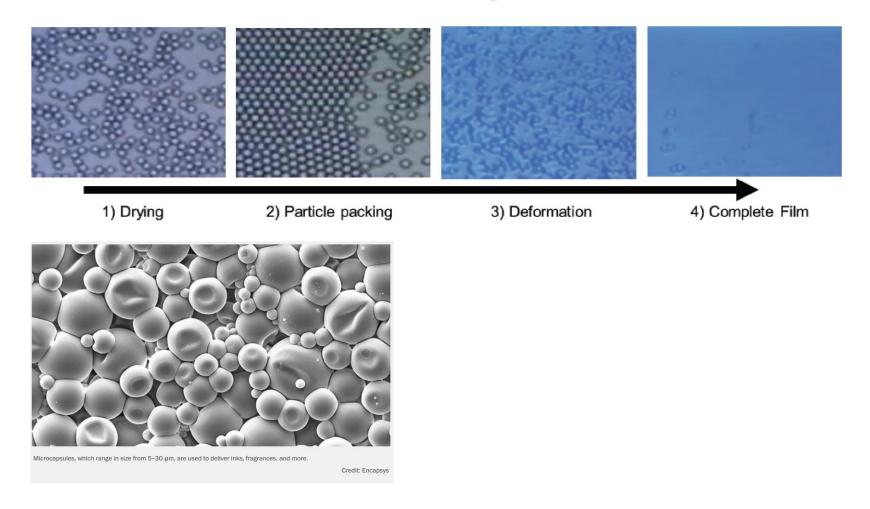


## **Cosmetics**



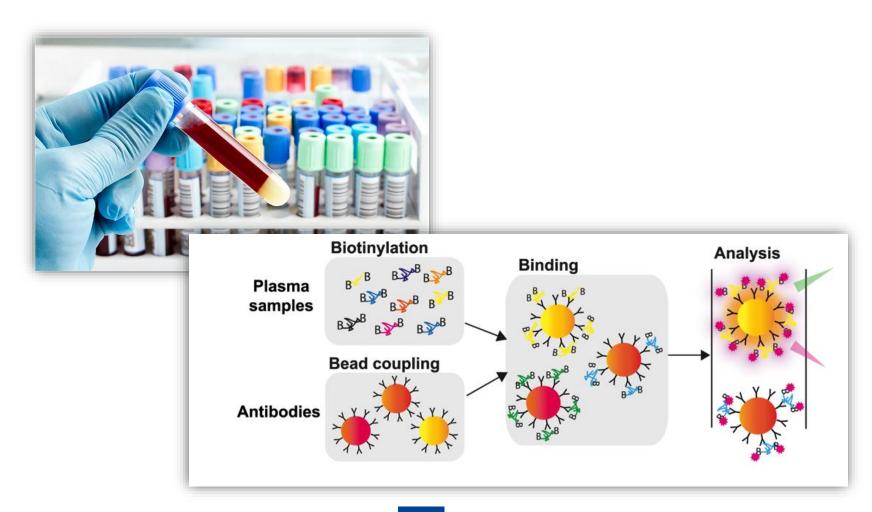


# Paints, encapsulation





# **Medical diagnostics**





## **Risk Assessment**

- Extensive literature review
- Widespread evidence of exposure/ingestion
- Evidence of adverse ecotoxicological effects and trophic transfer
- Degradation pathway via 'nanoplastics'; very limited information on the risks
- Inevitable release of microplastics to the environment
- Extreme persistence in the environment leads to an increasing and irreversible environmental stock.
- Considered as 'non-threshold': need to minimise releases
- Concludes that releases of intentionally added microplastics pose a risk that is **not adequately** controlled



# **Elements of the proposed restriction**



### **Prohibition on 'placing on the market'**

uses where releases to the environment are <a href="inevitable">inevitable</a> (e.g. agricultural / cosmetic products)



#### Mandatory 'labelling'

uses where release can be avoided / minimised; improved instructions for use e.g. paints/coatings



Mandatory downstream user 'reporting' for derogated uses

Tonnage, identify, function, releases



# Key messages

- Plastic and microplastics are a policy priority for the Commission
- Plastics Strategy: combination of many targeted actions across the sectors, using all regulatory and non-regulatory tools available
- REACH restriction: unacceptable risk from the presence of intentionally used microplastics → very strong push to all other actions



# Key messages

- Scientific research was fundamental for the Plastic strategy and is key for the risk assessment in the restriction on microplastics
- We need the scientific data to support the policy actions, but regulation will not wait to have scientific certainty
- Of interest for next years: biodegradability of polymers



http://ec.europa.eu/environment/waste/plastic\_waste.htm

https://echa.europa.eu/hot-topics/microplastics

