

# RACI 2025

**3 A 5 DE OUTUBRO**

Blue & Green Tróia Design Hotel

The future-proof Industrial Pharmacist:  
Thinking ahead & ready to act

## **RACI 2025**

Conselho do Colégio de Especialidade  
de Indústria Farmacêutica da Ordem  
dos Farmacêuticos

**3 a 5 de outubro 2025**

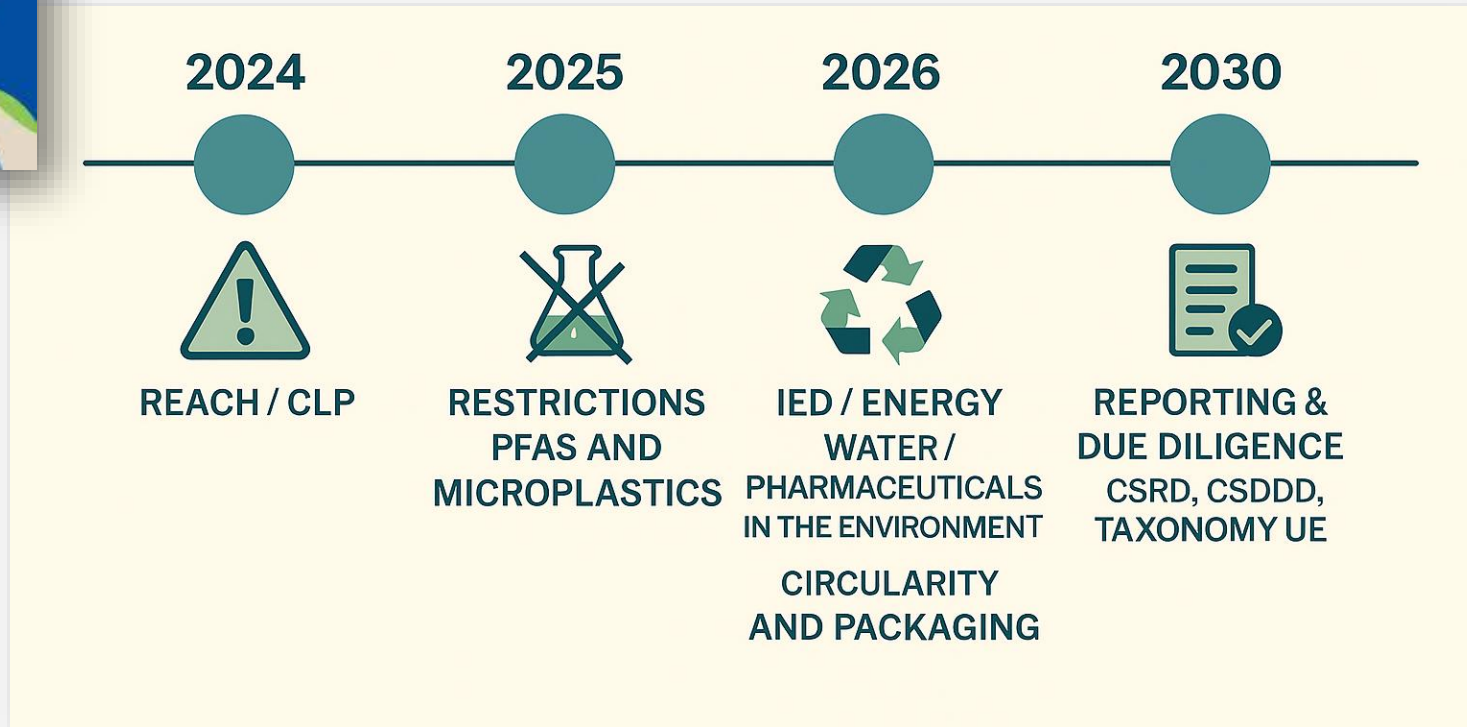
*Ordem dos Farmacêuticos, Lisboa*



# Pharma in Motion

When excipients become headlines  
Forever Chemicals Challenge





## 2023/2024

Pharmaceutical Strategy for Europe

(inc. EU Directive 2001/83)

- Access & Affordability
- Innovation & Sustainability
- Crisis Resilience & Supply Chains
- Global Leadership

WHO Greener Pharmaceuticals' Regulatory Highway

Environmental risk assessment of medicinal products for human use

Chemical Substances (REACH)

- Revision of REACH Regulation
- Ban on synthetic polymer microparticles

Eco-design (ESPR)

- Digital Product Passport (affecting sourcing)
- SPUD and EPR

CSRD

- ESG reporting, incl. reporting on environmental sustainability
- EU Taxonomy metrics part of the reporting

Urban Wastewater Treatment

## 2030

Paris agreement

- 55% emission reduction

EU Chemicals Strategy (CSS)

- Toxic-free environment in Europe

PPWR

- Packaging volume & weight reduction
- Empty space ratio (group & transport packaging)
- Ban on certain single-use packaging formats
- Re-use targets
- Recyclability by design
- Minimum recycled plastic content
- Recycling targets
- EPR fees based on recyclability & recycled content

## 2035/2040

PPWR

- Stricter re-use targets
- Recyclability at scale
- Higher minimum recycled plastic content targets
- Higher recycling targets

## 2050

EU Green Deal

- Full circularity
- Carbon neutral
- Clean Industry
- Healthier Environment
- Climate justice and fairness

## 2025

SUPD

- Recycled content targets

Deforestation-free (EUDR)

- Deforestation-free products & supply chains
- Customs system: traceability, geo-location, due diligence & risk assessment

UNEP Plastic Treaty

Urban Wastewater Treatment

Omnibus IV Simplification Package

Commission staff working document on the use of titanium dioxide in medicinal products

## 2025-2030

Packaging & Packaging Waste (PPWR)

- Ban on PFAS in food contact packaging
- Empty space ratio minimization (sales packaging)
- Compostability requirements
- Labelling requirements
- Prohibition of misleading labelling

Consumer & Green Transition (ECGT)

- Prohibition of false green environmental claims & claims based on offsetting of GHG emissions

Green Claims Directive (GCD)

- Rules on substantiation (LCA - Life Cycle Assessment), verification & communication

One Health/AMR

- 20% reduction consumption of antibiotics
- 50% reduction in overall EU sales of antimicrobials used for farm animals and aquaculture

Corp. Sustainability Due Diligence (CSDDD)

- Mandatory identification & mitigation of negative environmental impacts of EU & non-EU based businesses and their supply chains

Food Contact Materials

- Potential amendments:
- Suitable purity requirements for plastics,
- SML for styrene, restriction on TiO<sub>2</sub>

Chemical Substances (REACH)

- Potentially upcoming restrictions:
- Bisphenols, VOC additives, PFAS, Melamine

Shipment of Waste Regulation

- Ban on export of hazardous plastic waste to non-OECD countries

Carbon Border Adjustment (CBAM)

- Carbon fees on products imported into EU

Environmental Crimes Directive

- New environmental crimes punishable



## Green Chemistry

GREEN DESIGN OF CHEMICALS AND PROCESSES

Reduce or eliminate the use and generation of hazardous substances



## EU Pharmaceutical Strategy

ENSURE ALL PATIENTS HAVE ACCESS TO AFFORDABLE, SAFE, AND INNOVATIVE MEDICINES

Support the sustainability, competitiveness, and resilience of the European pharmaceutical industry



## EU Sustainability Strategy

CREATE A RESOURCE-EFFICIENT, CLIMATE-NEUTRAL, AND SOCIALLY INCLUSIVE ECONOMY

Ensure long-term environmental protection, economic growth, and improved quality of life for current and future generations.



## EU Chemicals Strategy

BOOST PROTECTION OF HUMAN HEALTH AND THE ENVIRONMENT

PROMOTE INNOVATION for safer, more sustainable chemicals



## EU Circular Economy Plan

ACCELERATE TRANSITION TO A RESOURCE-EFFICIENT, LOW-WASTE, AND CLIMATE-NEUTRAL ECONOMY BY 2050.

FOSTER SUSTAINABLE PRODUCT DESIGN enhancing recycling and reuse, and establishing a single market for secondary raw materials

- ✓ Promover a inovação, com foco na obtenção de substâncias químicas e medicamentos mais verdes sem comprometer a sua segurança e eficácia;
- ✓ Adotar princípios de **design sustentável** nos medicamentos, embalagens e processos industriais;
- ✓ Substituir substâncias potencialmente nocivas (ex.: PFAS e outros “*forever chemicals*”) por **alternativas seguras e sustentáveis**;
- ✓ Promover o conceito “*safe and sustainable by design*”;
- ✓ Integrar aspectos regulamentares de qualidade, segurança, sustentabilidade, inovação e acesso ao medicamento, apostando na resiliência da cadeia de abastecimento;
- ✓ Rever a legislação farmacêutica da UE, com foco na sustentabilidade, segurança e competitividade



**Energy  
Efficiency  
and GHG  
Emissions**



**Sustainable  
Supply  
Chains**



**Green  
Chemistry**



**Water  
Stewardship**



**Waste  
Reduction  
and  
Recycling**



**Eco-Friendly  
Product  
Design**



# PHARMA IN MOTION

Innovating for a  
Healthier &  
Sustainable Future

