Soon-to-be recast
Urban Wastewater Treatment Directive

DG ENV European Commission

Evaluation

The 1991 Directive

- **Collection**
- **Treatment**
- **Monitoring & Reporting**

Lessons learnt

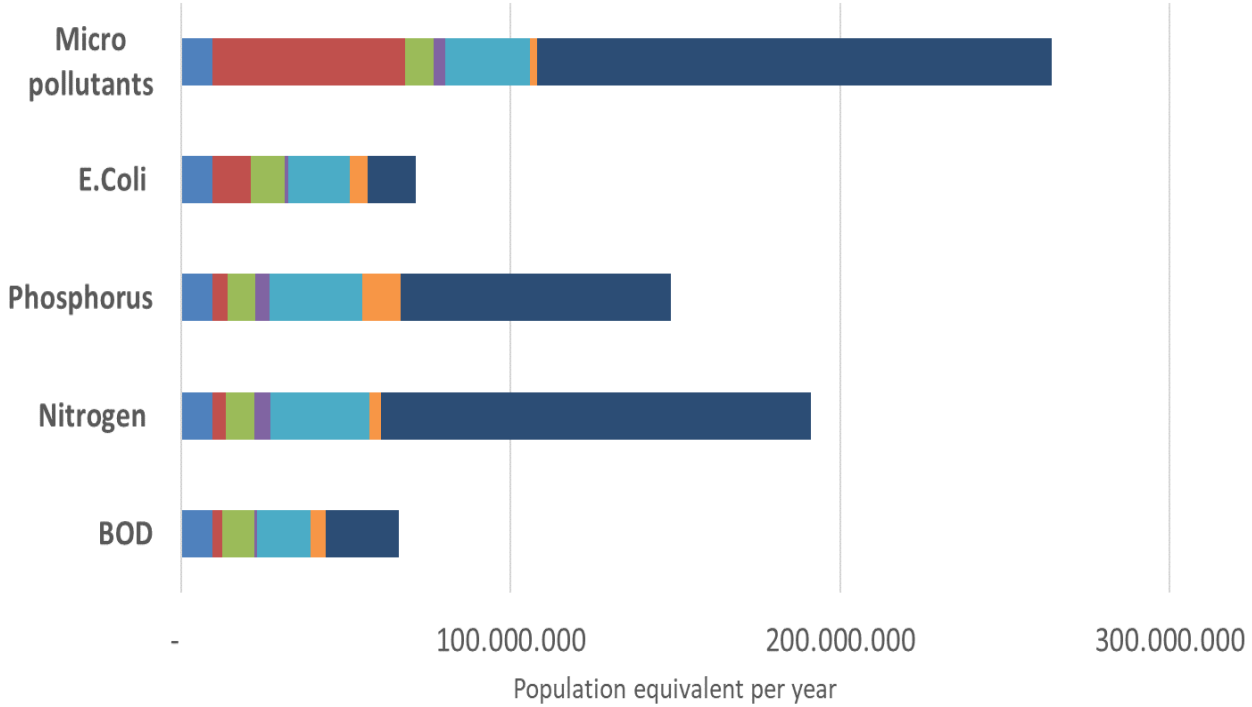
- Effective tool – Tangible impacts
- Simple and targeted instrument
- Carrot and stick
- Benefits >>> costs

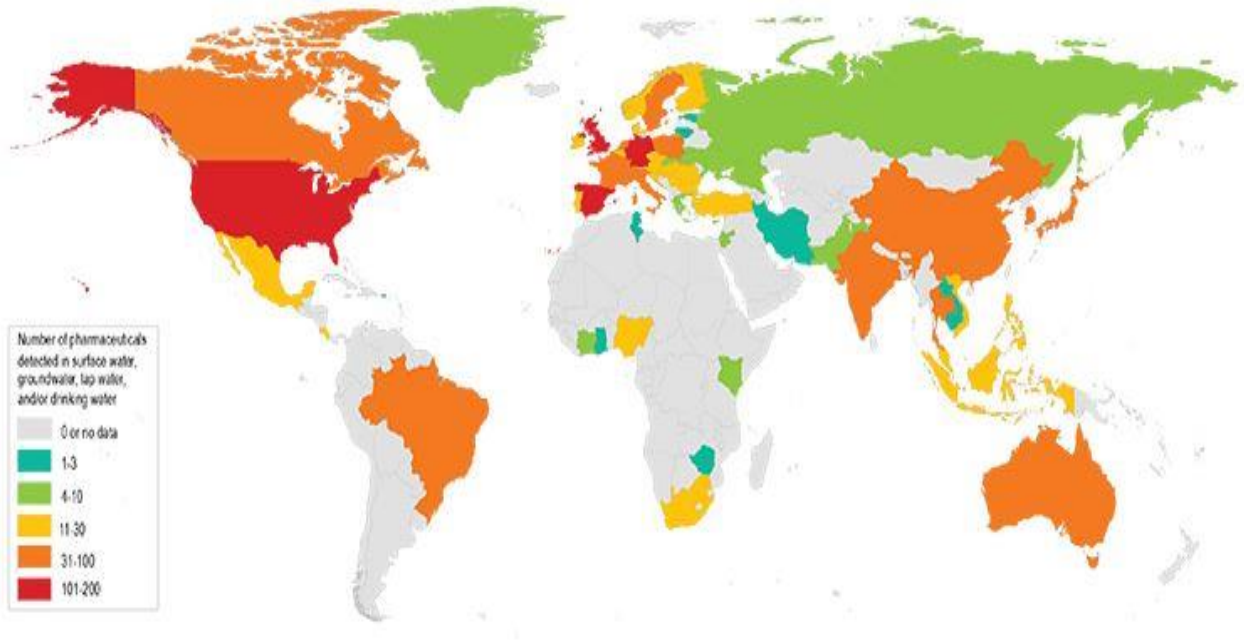
Room for improvement

- Remaining pollution
- Eutrophication
- Energy use, sludge management
- Governance – transparency/reporting
- Coherence with other legislation

Source: European Commission, 2019, UWWTD Evaluation

Remaining pollution





Number of pharmaceuticals detected in surface, ground or drinking water. *Source: Aus der Beek et al., 2015*

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Storm waters, small cities and individual systems

Integrated water management plans

(Art. 5/ Annex 5)

- Indicative non-binding target of 2%
- Hierarchy of measures

2030: Cities >100 000 p.e. **2035 :** Cities > 10 000 p.e.

Small agglomerations and secondary treatment

(Art. 3, 6)

- Scope starting at 1 000 p.e.
- Time-limited derogations

2035: Secondary > 1000 p.e. **+12 years** sensitive & coastal **+ 20 years** for specific cases

Individual systems

(Art. 4)

- Minimum requirements for design, maintenance, inspection (IA, DL=36 months)

Nutrients and micropollutants

Nutrients (N/P) (Art. 7)

- ✓Stricter standards for more areas
- ✓Systematic removal in facilities
- ✓> 150 000 p.e.

2033/ 2036
> 150 000 p.e.

2033/ 2036/ 2039/ 2045
> 10 000 p.e.

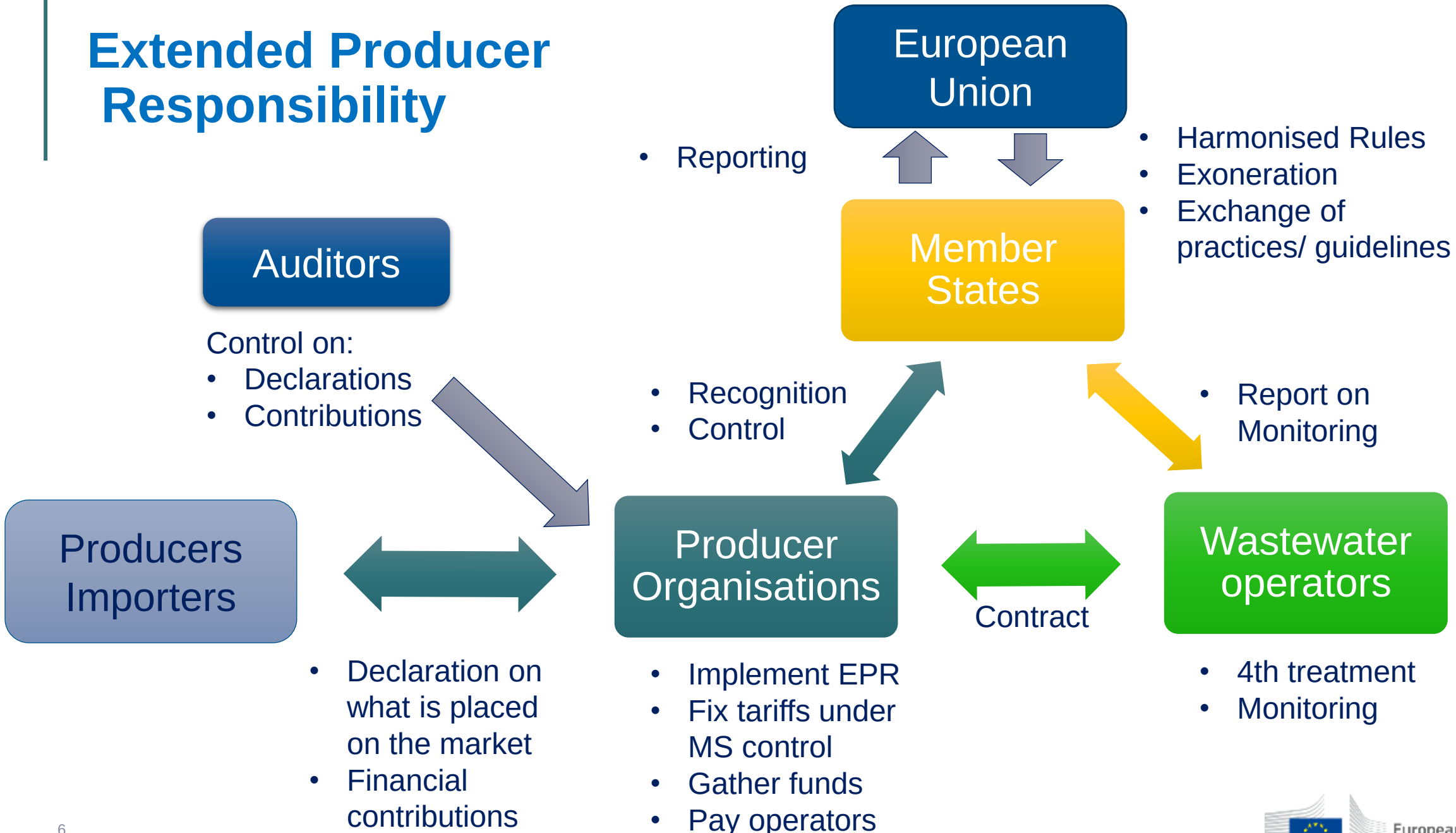
Micropollutant (Art. 8)

- ✓Treatment in all facilities > 150 000 p.e, risk based for others
- ✓Financed by pharma/cosmetics

2033/2039/2045
> 150 000 p.e.

2033/2039/2045
> 10 000 p.e.

Extended Producer Responsibility



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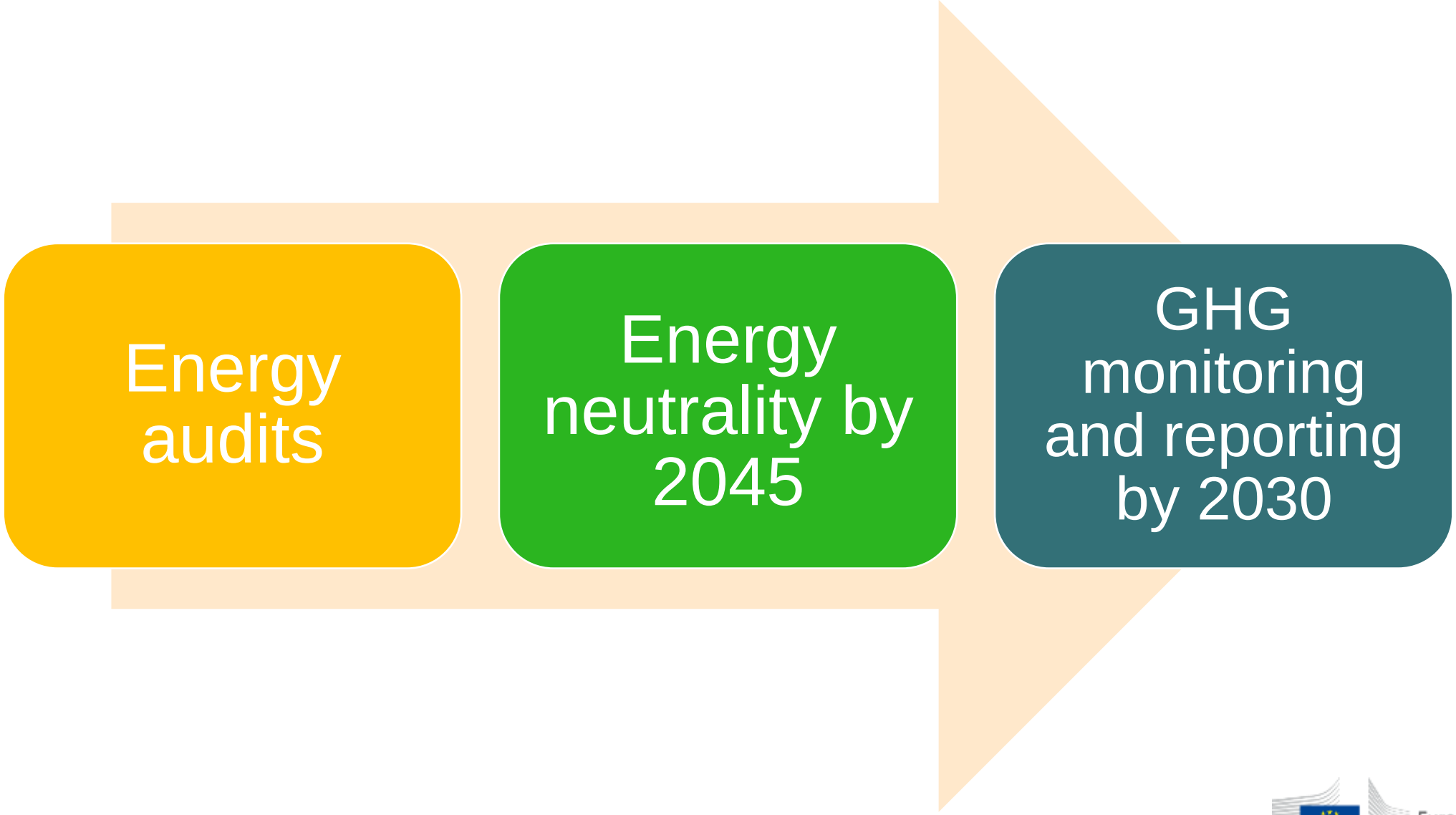
Energy and GHG emissions (Article 11 and 21)



Prevention and Circular economy (Art. 14/20)

Non-domestic wastewaters
(Art. 14)

- ✓Consultation of operators on permits
- ✓Tracking of harmful pollutants at source

Sludge and resource recovery
(Art. 20)

- ✓Nutrient recovery according to the waste hierarchy
- ✓Minimum reuse and recycling rate for phosphorus (DA, DL: 3 years)

Governance

Transparency

(Art. 24)

- ✓ Improved access to information
- ✓ Performance indicators

Health

(Art. 17)

- ✓ Mandatory coordination between health and wastewater authorities
- ✓ Compulsory monitoring during pandemics
- ✓ AMR monitoring (DA, DL= 18 months)

Access to sanitation

(Art. 19)

- ✓ Ensure access to sanitation (vulnerable)
- ✓ Encourage access to sanitation in public buildings or for free/low fee in restaurants etc.

Cost coverage, affordability

Now: 70% water tariffs and 30% public budget
Proposal: 3 sources of financing

Costs
3,8 € bn/year in 2045

Benefits
6,6 € bn/year in 2045

Water tariffs

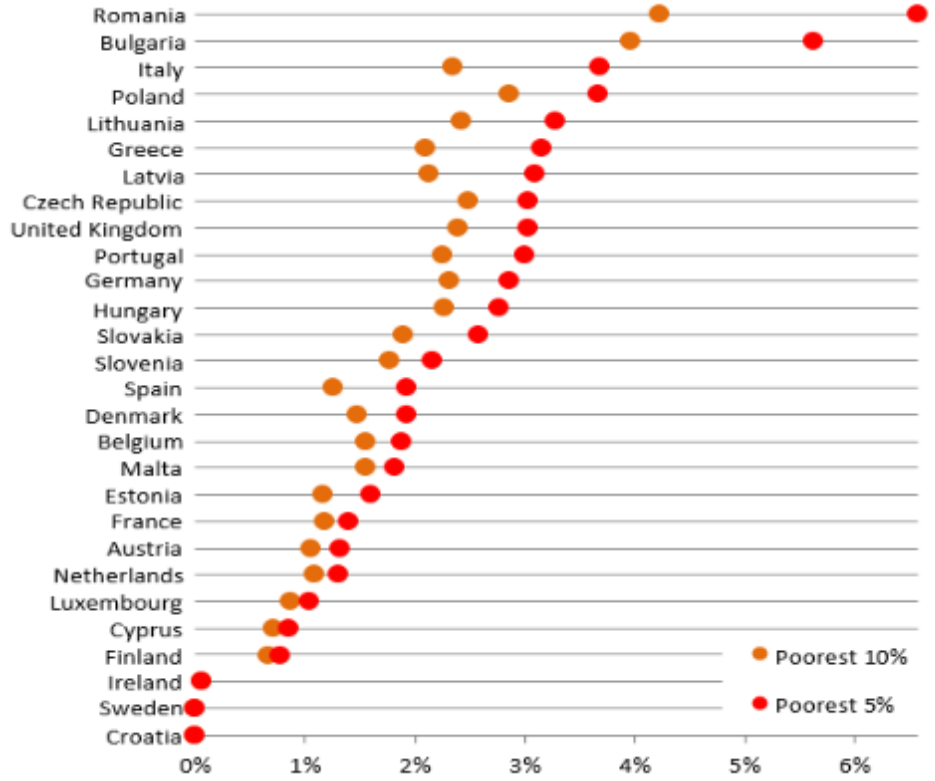
- **1,8 bn €/year by 2045**
- Average increase **2,3%** in **2045**
- **Affordability not endangered**

Public Budget

- **0,8 bn € /year by 2045**
- EU funds for water: EUR 2 bn/year
- Average public budget for water: EUR 30 bn/year

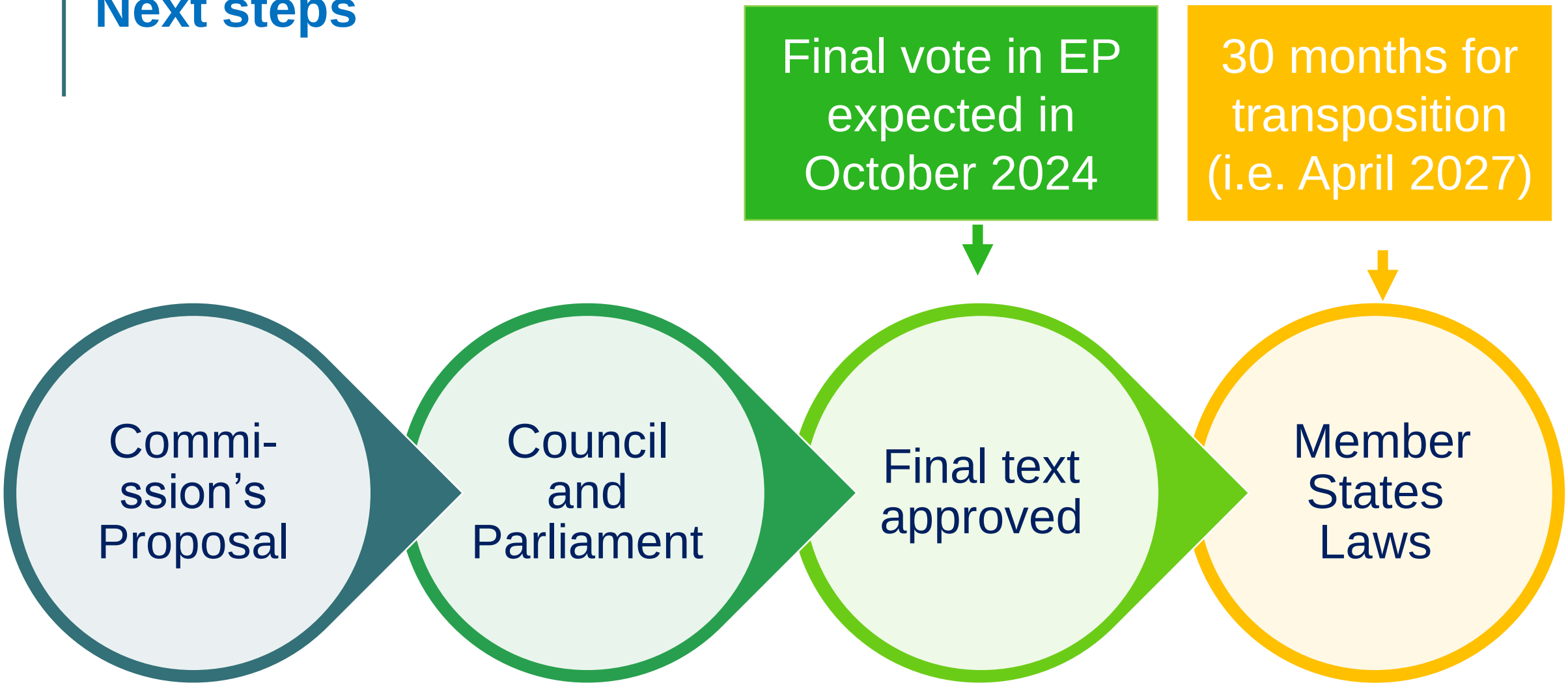
Producer responsibility

- **1,2 bn €/year by 2045**
- 0,5 to 0,9% max reduction of profit margins
- OR 0,6% max of annual expenses (**EUR 2,7 year/person max**)



Share of water expenditures in households' disposable income (2011-2015 average) *Source: OECD based on Eurostat*

Next steps



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Thank you for your attention

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