

EU PFAS restrictions

Process and relation between PFHxA, PFAS in firefighting foams, Universal PFAS and other restrictions

A solid black rectangular box used to redact information, located in the bottom right corner of the slide.

European Commission, DG GROW

Content

1. Stockholm Convention, POP regulation
2. REACH restriction
3. Common understanding paper
4. REACH SVHC
5. Need for grouping

*Disclaimer: several restriction dossiers are under development,
the Commission cannot pre-empt on the outcome of on-going discussions*

Stockholm Convention - process

1. **Proposal for listing a new chemical**
Any party of the Convention, proposal should contain Annex D information
2. **Apply screening criteria**
Committee examines proposal, Secretariat invites Parties and observers to provide Annex E information
3. **Develop a risk profile**
Committee develops a risk profile and evaluates, Secretariat invites Parties and observers to provide Annex F information
4. **Develop a risk management evaluation**
Committee develops a risk management evaluation and recommends to COP if the chemicals should be listed
5. **List the chemical in Annex A, B, and/or C**
COP decides on listing

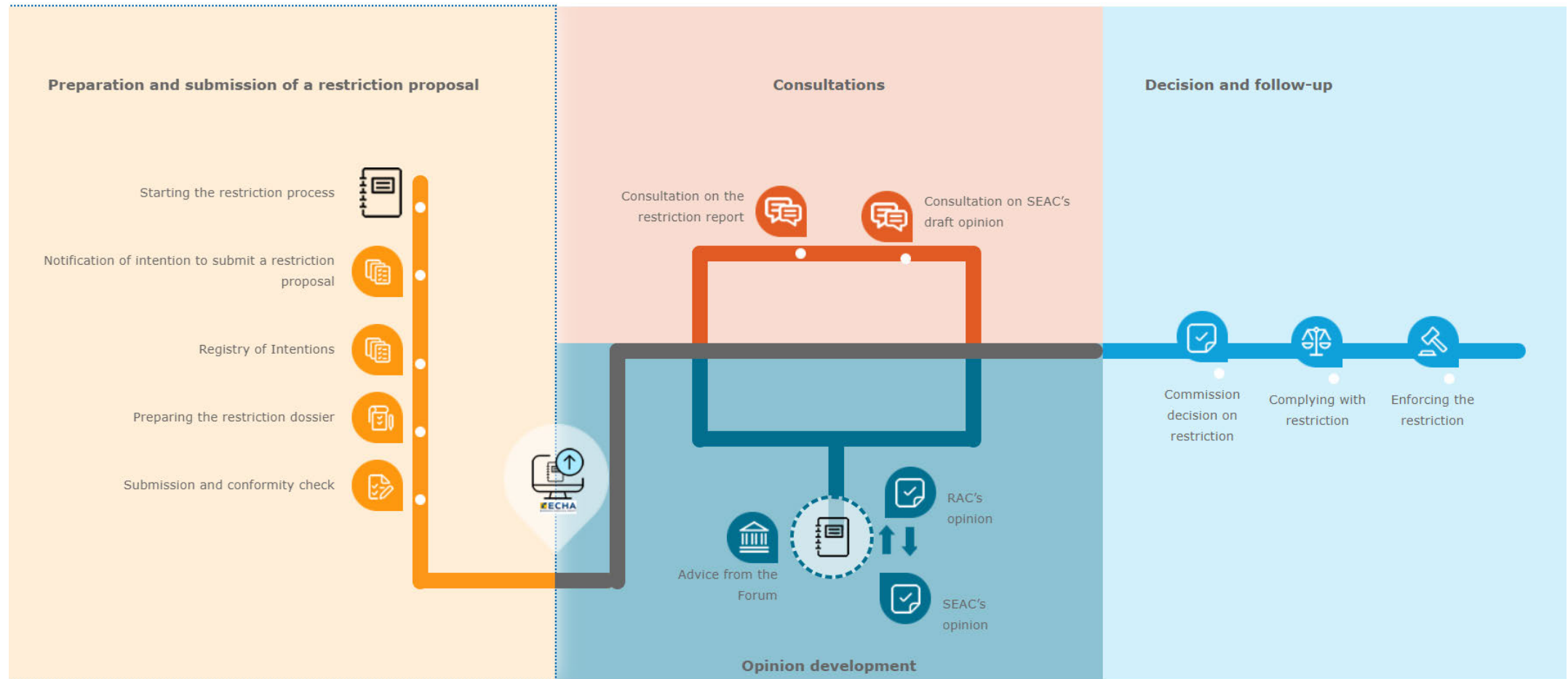
[Stockholm Convention - Home page \(pops.int\)](https://pops.int/)

Stockholm Convention – PFAS

Global ban on Persistent Organic Pollutants (POPs),
in Europe implemented by the POP regulation

- Chemicals list in Annex A (elimination)
 - PFOA
 - PFHxS (*EU implementation on-going*)
- Chemicals list in Annex B (restriction)
 - PFOS
- Chemicals proposed for listing
 - Long chain PFCAs

REACH restriction - process



[Restriction process - ECHA \(europa.eu\)](https://eucha.europa.eu)

REACH restriction - PFAS

Annex XVII of REACH

- C9-C14 PFCAs (entry 68)
- TDFAs¹ (entry 73)
- PFHxS, *RAC-SEAC opinion published 2020 → POP regulation*
- PFHxA, *RAC-SEAC opinion published 2022*
- PFAS in firefighting foams, *discussed by RAC-SEAC*
- Universal PFAS, *in preparation*

¹ Trideca-fluorooctyl silanetriol

Common understanding paper (2014)

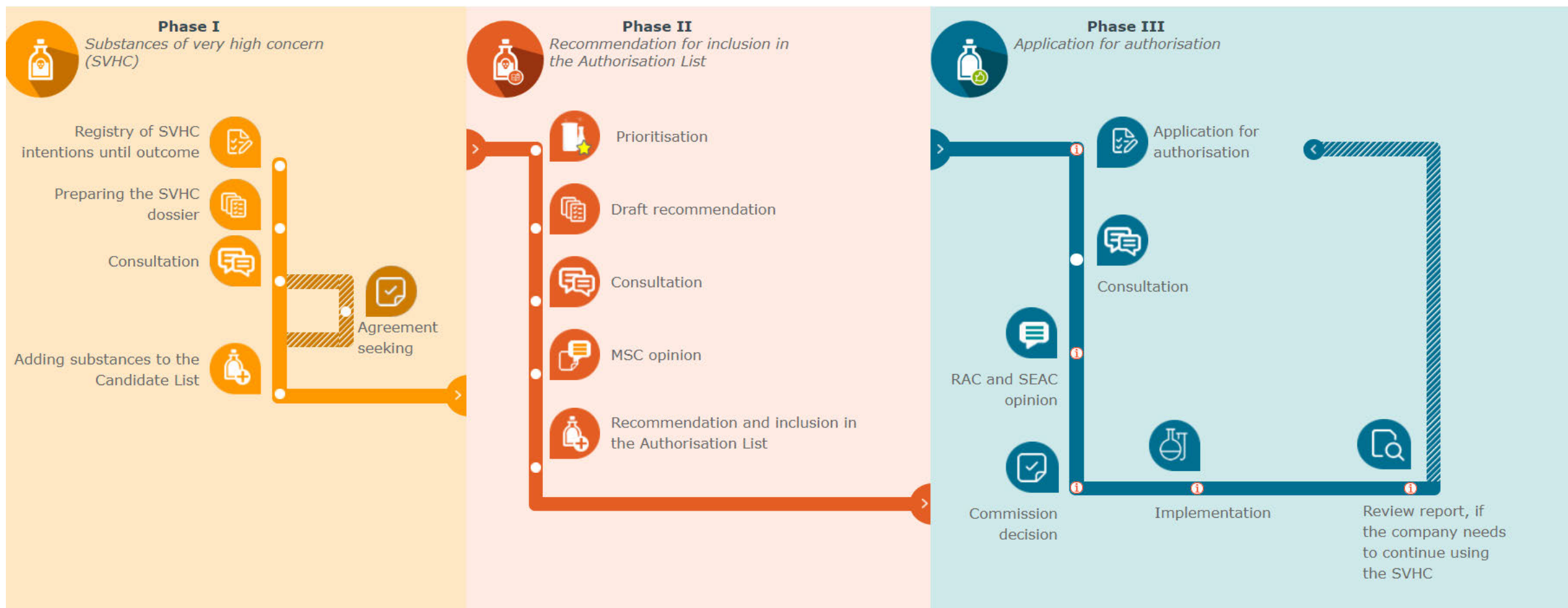
REACH and the Stockholm Convention as well as the UNECE POP Protocol, a common understanding

[Relationship with other legislation \(europa.eu\)](http://europa.eu)

Most important:

To avoid double regulation; no REACH restriction entry if the substance is regulated through the POP regulation, timing issues.

REACH SVHC - process



[Authorisation process - ECHA \(europa.eu\)](https://echa.europa.eu)

REACH SVHC - PFAS

PFASs identified as substances of very high concern (SVHC)(art. 59)

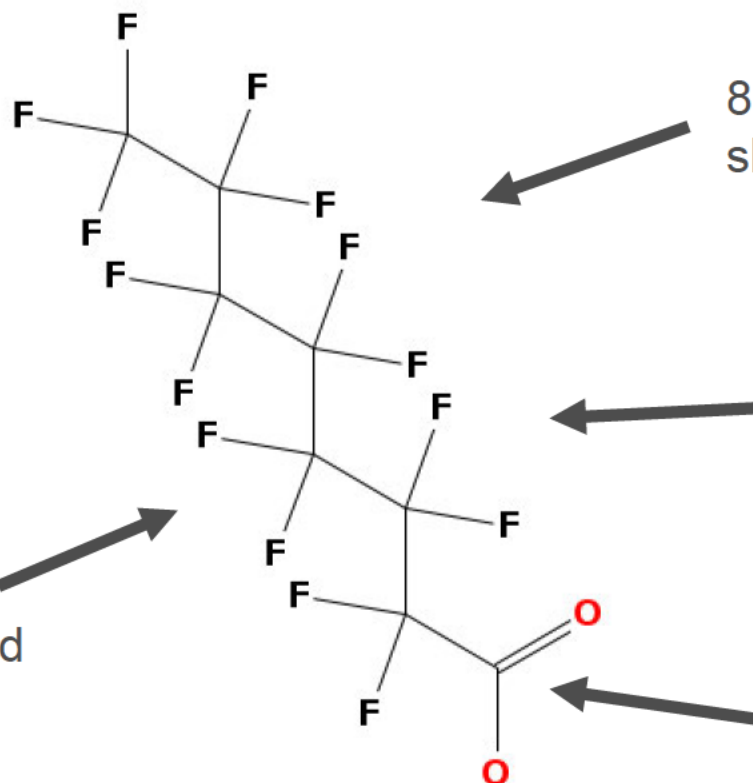
Substance	EC no	CAS no	Concern
HFPO-DA (GenX)	-	-	ELoC having probable serious effects to human health and environment (Article 57(f) - human health)
PFBS (C4)	-	-	ELoC having probable serious effects to human health and environment (Article 57(f) - human health)
PFHxS (C6)	-	-	vPvB (Article 57e)
PFHpA (C7)	203-615-4		<i>Under discussion</i>
PFOA (C8)	206-397-9	335-67-1	Toxic for reproduction (Article 57c) PBT (Article 57d)
PFNA (C9)	-	-	Toxic for reproduction (Article 57c) PBT (Article 57d)
PFDA (C10)	206-400-3	335-76-2	Toxic for reproduction (Article 57c) PBT (Article 57d)
PFUnDA (C11)	218-165-4	2058-94-8	vPvB (Article 57e)
PFDoDA (C12)	206-203-2	307-55-1	vPvB (Article 57e)
PFTTrDA (C13)	276-745-2	72629-94-8	vPvB (Article 57e)
PFTeDA (C14)	206-803-4	376-06-7	vPvB (Article 57e)

Need for grouping

Regrettable substitution

Linear chain: replaced
by branched chains

Functional ether group (-O-) added

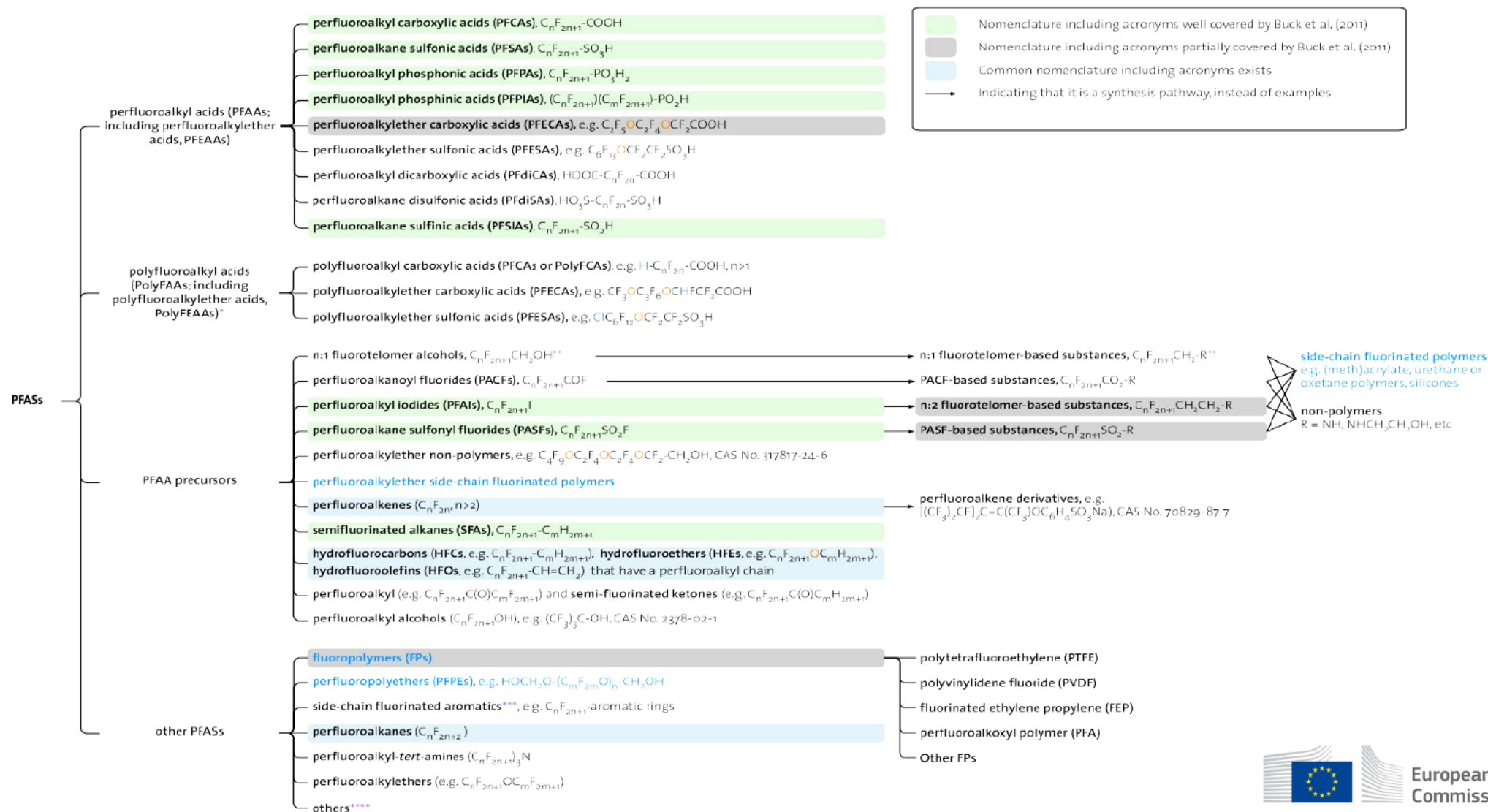


8 C atoms, replaced by
shorter or longer chains

etc.

C or S atom,
replaced by P

PFAS groups (OECD)



Universal PFAS

- Dossier will be submitted January 2023 by DE, DK, NL, NO, SE
- Broad chemical scope (OECD 2021), including F-gases and fluoropolymers
- Common concern: extreme persistence
- According to the current REACH legislation
- Provide your input in the consultation phase

[restriction is under development]

REACH revision – main elements

Lack of information on certain hazards

- Increase **information requirements** (ED, low tonnage substances; use/exposure information, low tonnage CSR, DMEL)
- **Polymers**
- **Safety data sheets**
- “Cocktail effect” and **mixture assessment factor**

Authorisation and restriction processes too complex

- Extend **generic risk management approach**
- Simplify **authorisation and restriction processes**
- Introduce **essential use concept**

Insufficient enforcement

- **Revoke registration numbers** for constantly non-compliant dossiers
- **European Audit capacity**
- Strengthen **customs** controls, combat **fraud** and tackle **online sales**
- **Access to justice**

Next steps

- Finalisation of **impact assessment** on the basis of RSB comments
- **Legal drafting** has started
- **Commission proposal** foreseen in Commission work programme for Q4 2023

Thank you



© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

Slide xx: **element concerned**, source: **e.g. Fotolia.com**; Slide xx: **element concerned**, source: **e.g. iStock.com**