



2020

Five European countries call for evidence on broad PFAS restriction

ECHA/NR/20/13

The national authorities of Germany, the Netherlands, Norway, Sweden and Denmark invite interested parties to send in evidence and information on the use of per- and polyfluoroalkyl substances (PFAS) by 31 July 2020.

Helsinki, 11 May 2020 – The authorities of the five countries have agreed to prepare a joint REACH restriction proposal to limit the risks to the environment and human health from the manufacture and use of a wide range of PFAS.

<https://echa.europa.eu/-/five-european-states-call-for-evidence-on-broad-pfas-restriction>



Concern

Despite considerable differences in structure and properties there is an underlying concern for all members of the PFAS group:

- Persistence as main common concern

Supporting concerns:

- Bioaccumulation and mobility
- (Eco)toxicity



Chemical scope

> OECD 2021 definition

PFASs are defined as fluorinated substances that contain at least one **fully fluorinated methyl or methylene carbon atom (without any H/Cl/Br/I atom attached to it)**, i.e. with a few noted exceptions, any chemical with at least a perfluorinated methyl group ($-\text{CF}_3$) or a perfluorinated methylene group ($-\text{CF}_2-$) is a PFAS.

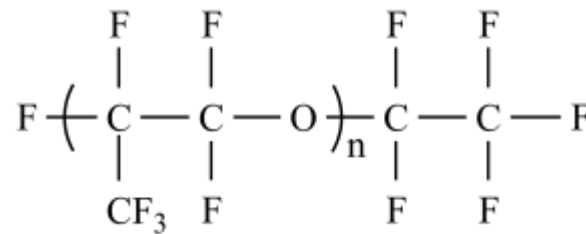
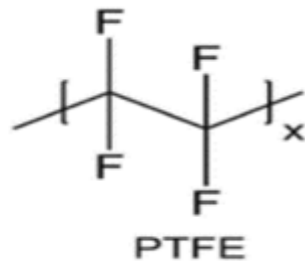
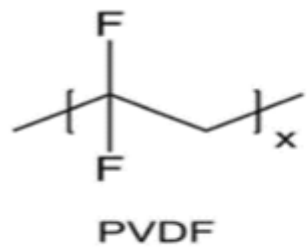
- CF_2- or $-\text{CF}_3$

Includes fluoropolymers, side-chain fluorinated polymers, F-gasses

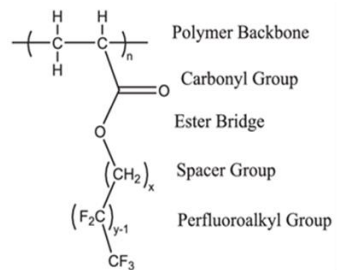


Some examples

> Fluoropolymers



> Side chain fluorinated polymers





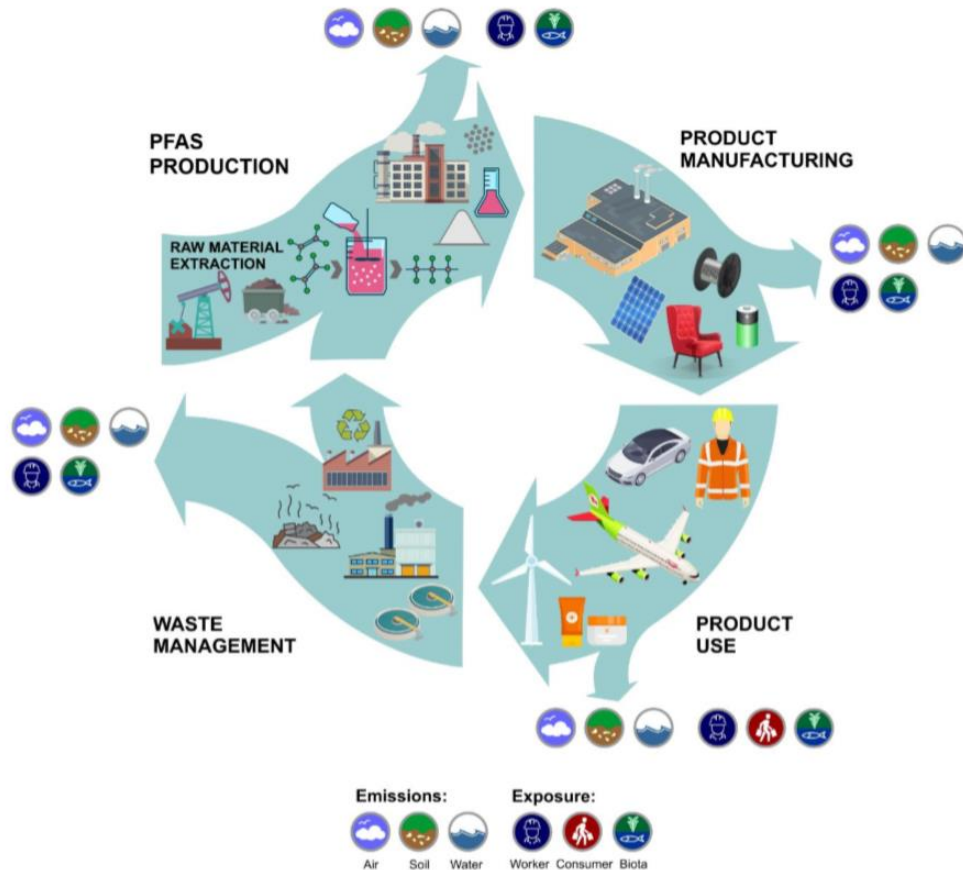
PFAS uses



But many more,
especially
fluoropolymers



PFAS uses



- fire fighting foams*
- transport
- textile (TULAC)
- medical devices
- construction
- f-gas uses
- electronics
- food contact material
- medicinal products
- lubricants
- metal plating
- cosmetics
- petroleum and mining
- ski wax
- consumer mixtures (cleaning, polish)

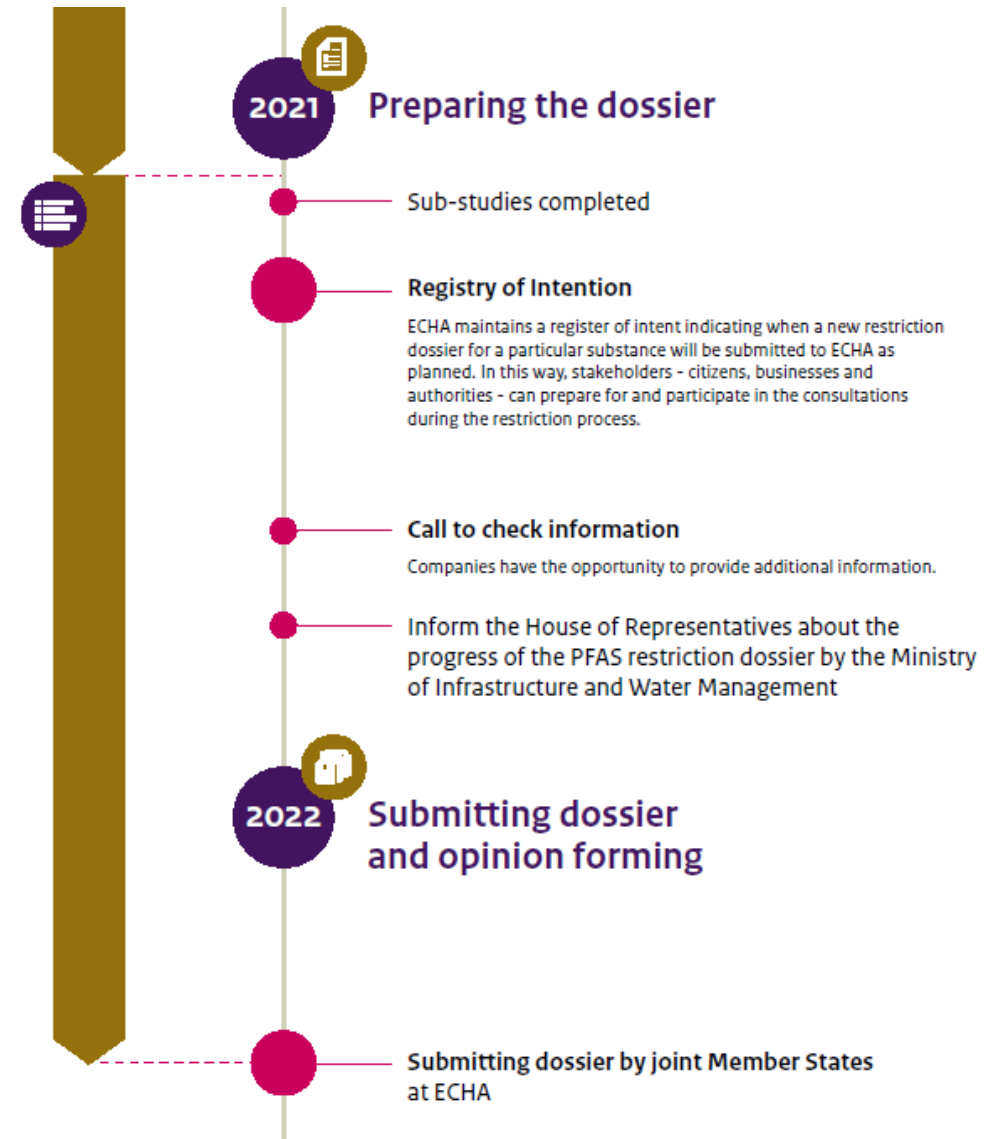


| Major use category | Subcategory-uses with examples included | Technical function claimed by PFAS (e.g. oil repellence, water repellence, stain-resistance, soil protection) |
|---|--|---|
| Home textiles | Carpets and rugs | Water repellence, Oil repellence |
| | | Water repellence, Oil repellence |
| | Curtains and blinds | Water repellence, Oil repellence |
| | Textile based coverings e.g. fabrics for soft-furnishings, tablecloths, bedding etc | Water repellence, Oil repellence |
| Consumer apparel and accessories | Indoor and Outdoor wear | Water repellence |
| | Sports wear | Water repellence, Oil repellence |
| | Footwear | Water repellence, Oil repellence |
| | Accessories e.g. umbrellas, bags, wallets | Water repellence |
| Professional apparel | Professional sports wear and footwear | Water repellence, Oil repellence |
| | PPE for industrial applications e.g. for chemical workers, fire-fighters, O&G workers, law enforcement and military forces | Water repellence, Oil repellence, Stain-resistance, Soil protection |
| Technical textiles | Outdoor technical textiles e.g. canvas, awnings, tarps, tents, sails, rope | Water repellence, Oil repellence, Stain-resistance, Soil protection |
| | Medical applications e.g. surgical drapes, gowns, curtains | Water repellence, Oil repellence, Stain-resistance |
| | High performance membranes e.g. automotive and medical | Water repellence, Oil repellence, Stain-resistance, Thermal stability |
| Leather | Leather based goods (i.e. leather bags, wallets, belts etc) | Water repellence, Oil repellence |
| | Indoor and Outdoor wear | Water repellence, Oil repellence |
| | Footwear | Water repellence, Oil repellence |
| | Professional sports wear and footwear | Water repellence, Oil repellence |
| Other | Home fabric treatments (sprays) for leather/textiles | Water repellence, Oil repellence, Stain-resistance, Soil protection |



Timing

- > May-July 2020: call for evidence
- > July-Oct 2021: 2nd consultation round
- > July 2021: Registry of Intention
- > July 2022: Submission dossier
- > 2025?: Entry into force



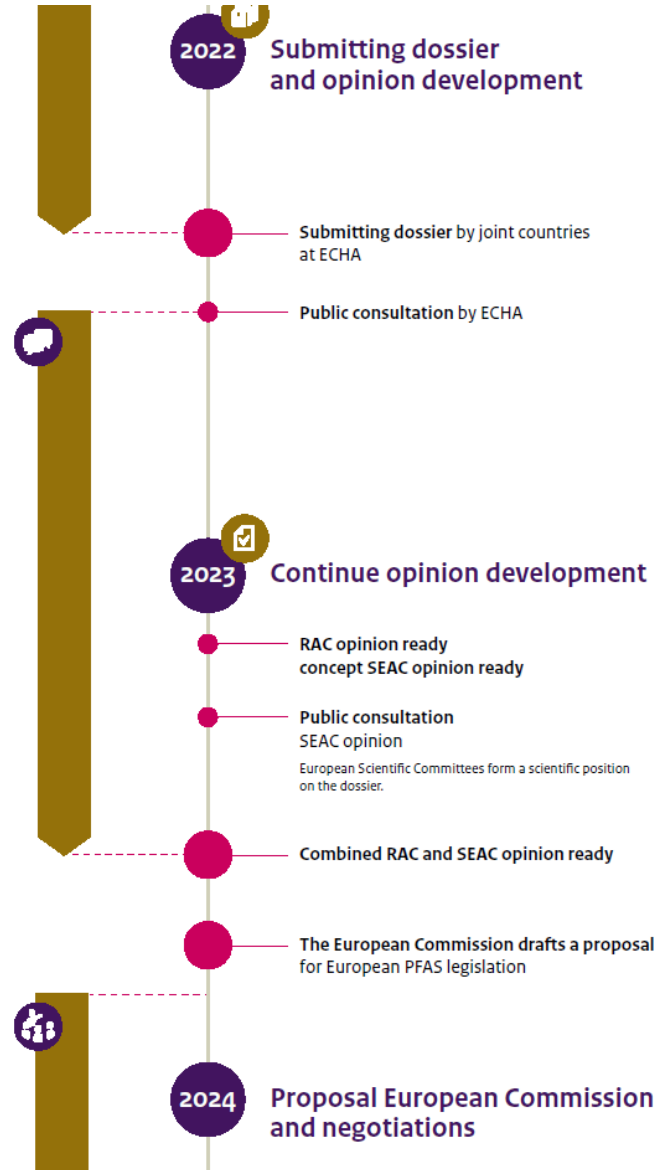


Public consultation

- > Important that stakeholders provide additional information during public consultation (also on alternatives!)

Opinion development
Everyone can now have a say about the dossier and provide information.

Negotiations in Brussels





01 | PFAS (rivmmagazines.nl)

