



A JOURNEY FROM SIN TO WIN

- The success factors of the SIN List

 chemsec
INTERNATIONAL CHEMICAL SECRETARIAT

Jerker Ligthart, October 8, 2025

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WHAT WE DO AT CHEMSEC

- Drive the political discussion on hazardous chemicals
- Challenge companies to improve their chemicals management
- Develop online tools to help companies switch to safer chemicals
- Inform investors about risks and opportunities in the chemical industry



A planet beyond chemical pollution, with responsible industries and healthy humans.

With ChemSec on a permanent vacation.

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CHEMSEC BUSINESS GROUP



Polestar

ShawContract®



Kingfisher

SKANSKA

adidas

H&M Group



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CHEMSEC TOOLS

chemsec
SIN LIST

chemsec
CHEMSCORE

chemsec
PFASGUIDE

chemsec
MARKETPLACE

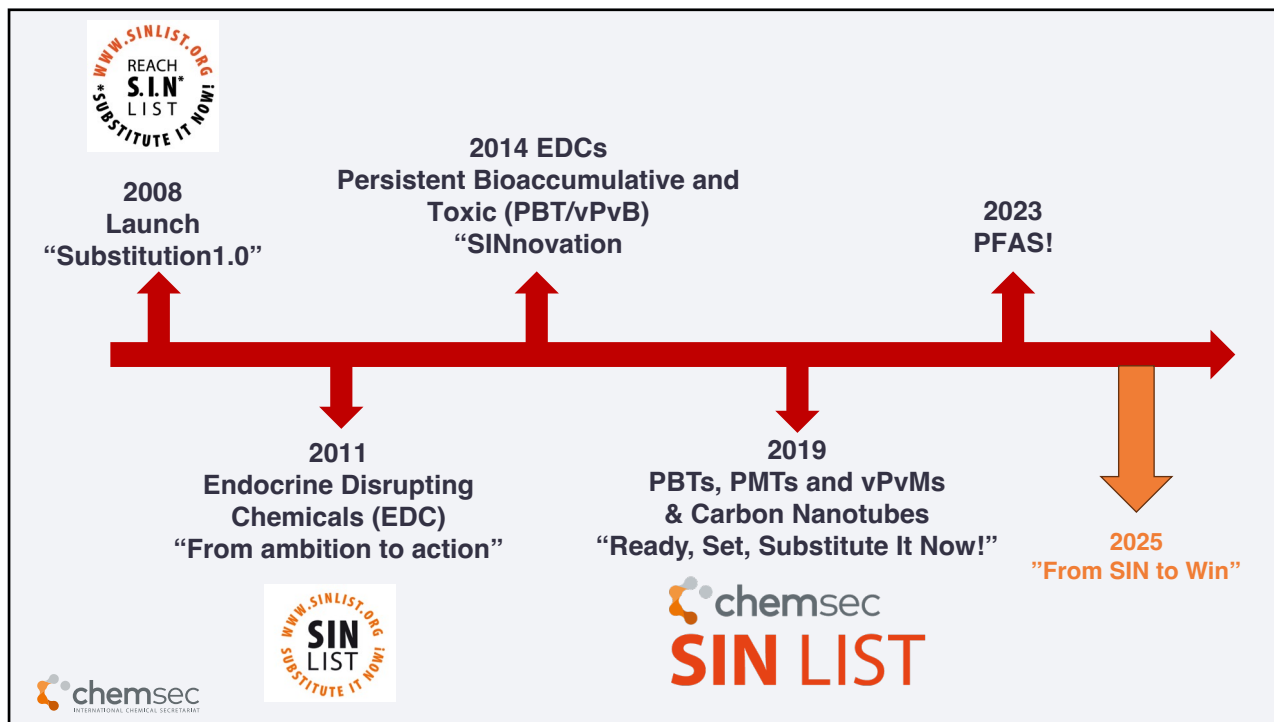
chemsec
SIN PRODUCERS



The ChemSec tools are part of the ZeroPM project and have been co-funded by the European Union's Horizon 2020 research and innovation programme under grant agreement No 101036756

<https://chemsec.org/tools/>

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SUCCESS FACTORS

- Clear strategy
- Scientific integrity and credibility
- Timing, connected to policy
- Building alliances
- Communication



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THE STRATEGY - SINLIST 1.0

To identify chemicals that meet the REACH criteria for SVHC

- ...to assist Candidate List process
- ...to prioritize chemicals for phaseout
- ...to offer guidance to companies, consumers, regulators
- ...to promote safer alternatives



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SCIENTIFIC INTEGRITY

- Experts performing the assessments
 - Toxicologists
 - Endocrinologists
 - Environmental fate experts
- Second opinion
 - Independent reviewers
- ChemSec takes the final decision



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TIMING, CONNECTION TO POLICY

- Methodology used is based on REACH criteria - All substances are SVHCs
- Article 57, definition of SVHCs – Hazard only
- Official Guidance documents
- Relevant but not restricted to REACH
- Can be used world wide



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BUILDING ALLIANCES

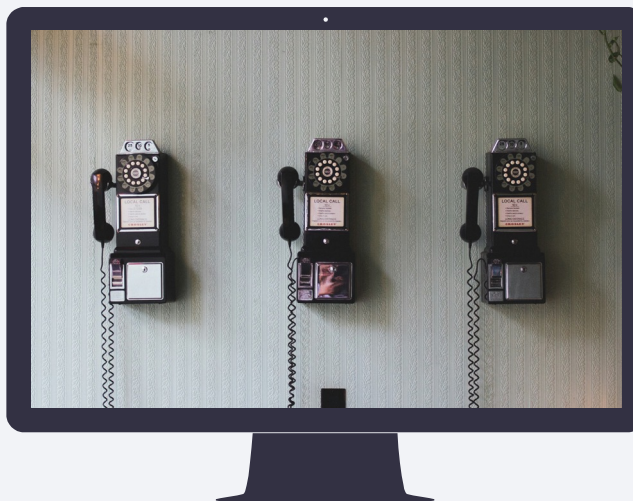
- Industry
 - Downstream users
- NGOs
- Policy makers
- Authorities
- Investors



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COMMUNICATION

- Positive, solution oriented
- Simple, but still factual
- Humor!



COMMUNICATION – SOLUTION ORIENTED

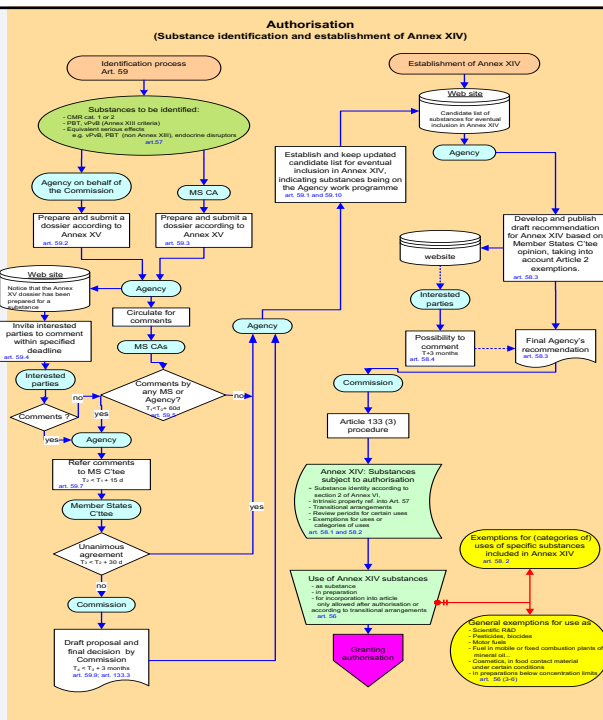
SIN List helps you identify the most relevant PFAS to start substituting

PFAS is a large group of several thousands of similar compounds, all being very persistent and thus called “forever chemicals”. While all PFAS chemicals should be phased out, the SIN List identifies a relevant subset to start with. On the SIN List you now find all PFAS chemicals that are registered for being produced or imported to the EU or the USA.



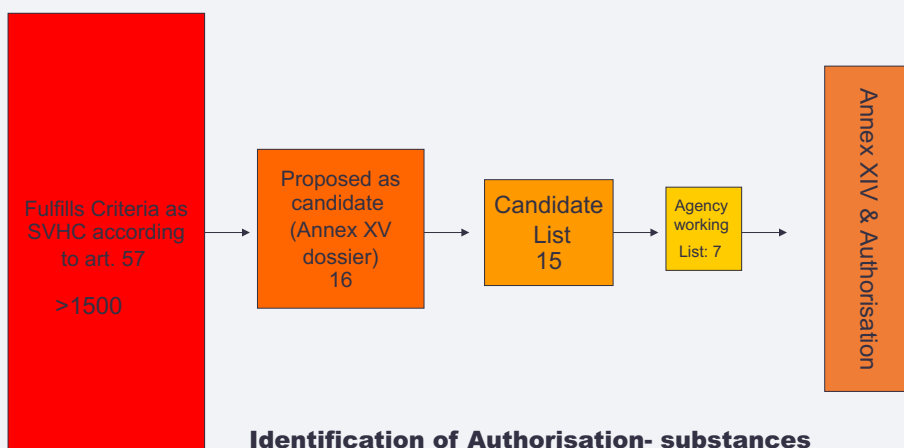
COMMUNICATION - SIMPLICITY

- Move away from complexity
- Stay factual!



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COMMUNICATION - SIMPLICITY



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COMMUNICATION - HUMOR



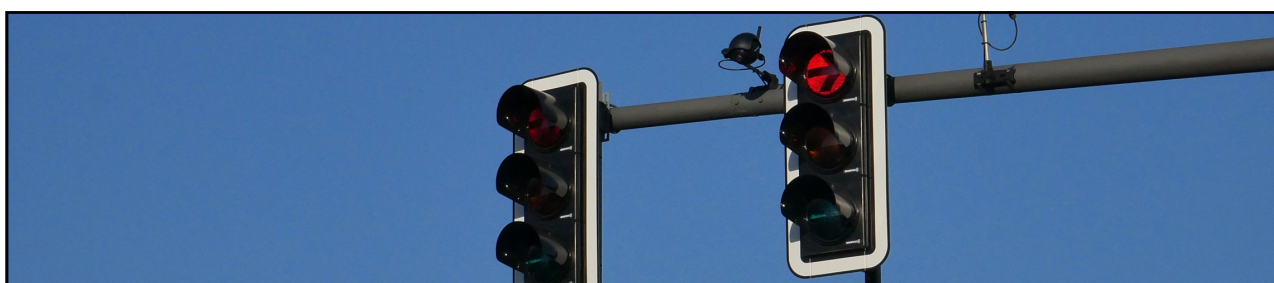
The Product - SIN List

- <https://www.youtube.com/watch?v=iZqrrgDldQc>

Rap battle against PFAS

- https://youtu.be/1q06fUMT_U4

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EARLY SINNERS

- Thiram, Benzophenone-2, 3-BC,
- Resorcinol, 4-nitrophenol, Diethyl phthalate
- BHA, Metam sodium, MTBE, DnHP, Zineb,
- butylparaben, propylparaben, PCP
- Perchloroethylene, DCHP
- DEHP, DBP, BBP
- HBCDD, Deca-BDE, TBBPA
- PFOA, PFOS
- Nonylphenol, Formaldehyde,
- Musk Xylene

94% accuracy!

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WHERE WE ARE TODAY

- 1452 entries
- 13,000 registered users
- SIN List had 135,000 visits last year
- Global outreach, majority from **USA**, Sweden, Germany, France, United Kingdoms, Netherlands, India, China, Denmark and Japan.
- Mainly from the chemical industry or downstream users



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FROM SIN TO WIN: A POLICY COMPASS FOR A CLEAN AND COMPETITIVE EUROPE

📍 Brussels 📅 October 14, 2025 🕒 10:00–17:00

How do we strengthen EU competitiveness, build a circular economy and protect people and planet at the same time?

The answer starts with safer chemicals — and the SIN List.

At the event, you'll hear directly from:

- Policymakers shaping the future of chemical policy
- Investors and companies pushing for stricter legislation
- Leading scientists explaining the next big chemical risks



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THANKS FOR LISTENING!

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