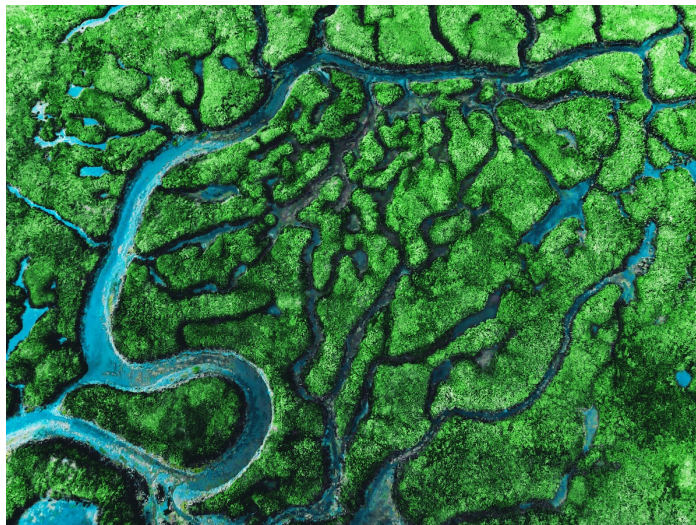# Safer Materials Summit: How can AI help address PFAS challenges?

April 3, 2025
10am – 4pm CET (followed by cocktail reception)
IBM Research Europe — Zürich

IBM Research is pleased to invite you to participate in this exclusive event where we are bringing together leading researchers, industry experts and corporate stakeholders to explore how new AI-based solutions can help resolve PFAS (per or poly) fluoroalkyl substances (also known as "forever chemicals") challenges.

From electronics, cosmetics and clothing to manufacturing, automotive and construction, the risk of PFAS contamination is undeniable. News headlines seem to highlight new health risks and litigation actions on an almost daily basis, increasing public awareness of the hazards.

Evolving regulations, inconsistent definitions, limited data availability, litigation risk, toxicity & bioaccumulation, changing consumer expectations and the vast variety of PFAS compounds make this a particularly difficult problem.

The Summit will feature interactive roundtable discussions and presentations on topics such as:
- Rapidly evolving global regulatory landscape
- Best-in-class approaches to assess PFAS liability exposure
- How to avoid regrettable substitutions
- IBM Research perspective on how AI can help

IBM Research has long-standing, deep expertise in AI and materials science. We will share our view on the role AI can play to address PFAS-related challenges on three fronts:
- Identification: What PFAS exposure do I have in my products, processes and supply chain?
- Substitution: Are there existing, suitable "safe" alternatives?
- Discovery: If no substitutes exist, how can I develop new replacements?

If you have any questions, please contact Phil Vogel at pwvogel@us.ibm.com.

Building AI solutions for each stage of the journey
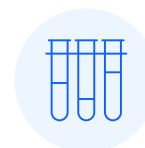

Identification → Knowledge integration → Transformation and hazard prediction → Alternatives assessment → New materials discovery

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