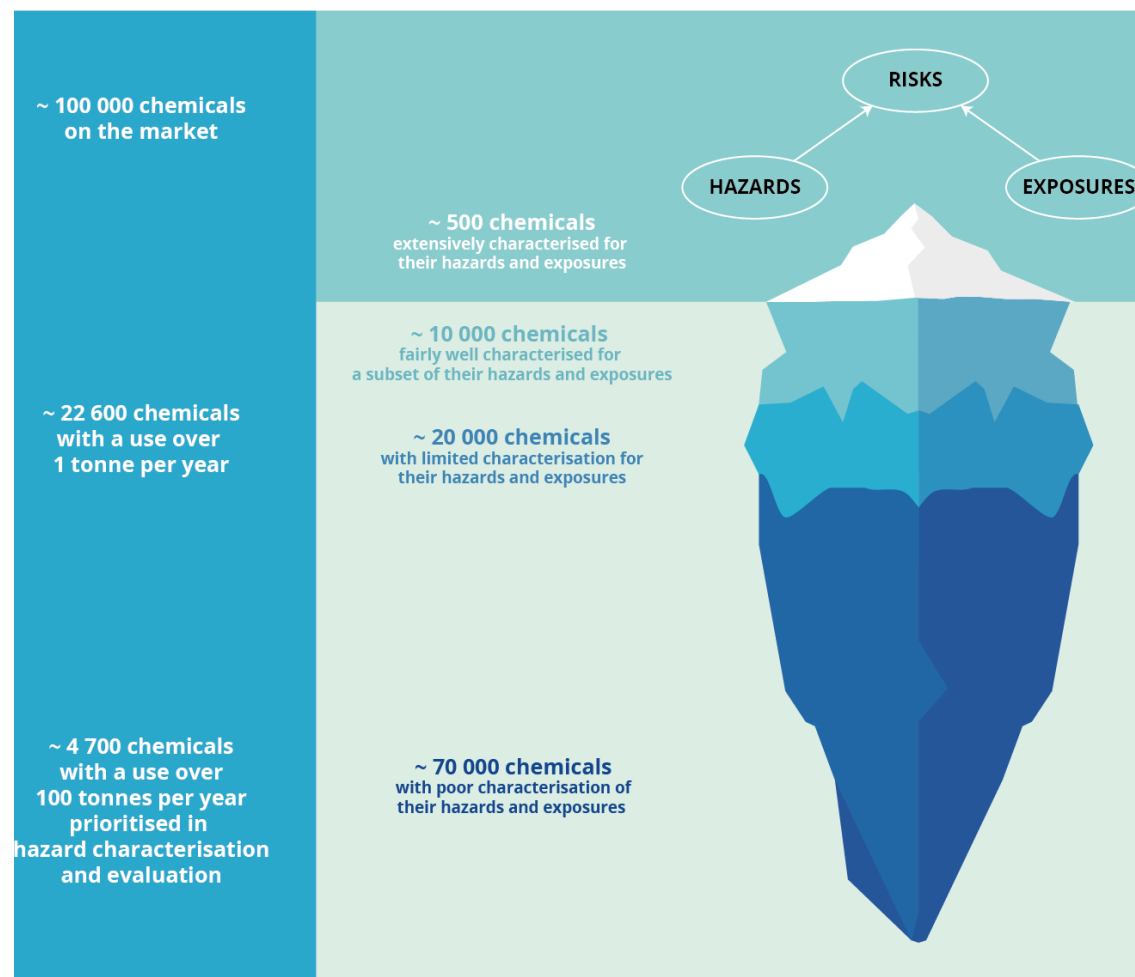


We enable your Way to Substitution

May 10, 2023 | CLEPA MRS Event 2023 | Dr. Angelika Steinbrecher

Substitution Driver:

EU Chemicals Strategy for Sustainability (CSS)



- Over 50 measures
- Goal: toxic-free environment
- All users of substances and materials effected
- Increasing number of restrictions
- Impacts on future product composition
- Driver for substitution

The unknown territory of chemical risk; 2019, European Environmental Agency, The European environment — state and outlook 2020; Knowledge for transition to a sustainable Europe

EU and Global Initiatives Restricting 1000's of PFAS

TSCA

2020 LC-PFAC (SNUR)
2023 PFAS SNUR Proposal
April 2023: Advance Notice
of Proposed Rulemaking
Planned:
PFAS & Fluoropolymers
reporting obligation
EPA and Biden
administration roadmaps

US Federal States

2021 PFOA CP65
2021 PFAS Maine
Further:
Minnesota, California, NY,
Massachusetts

Stockholm Convention

2009 PFOSs
2019 PFOAs
2022 PFHxS
In preparation:
C9-14 PFCAs

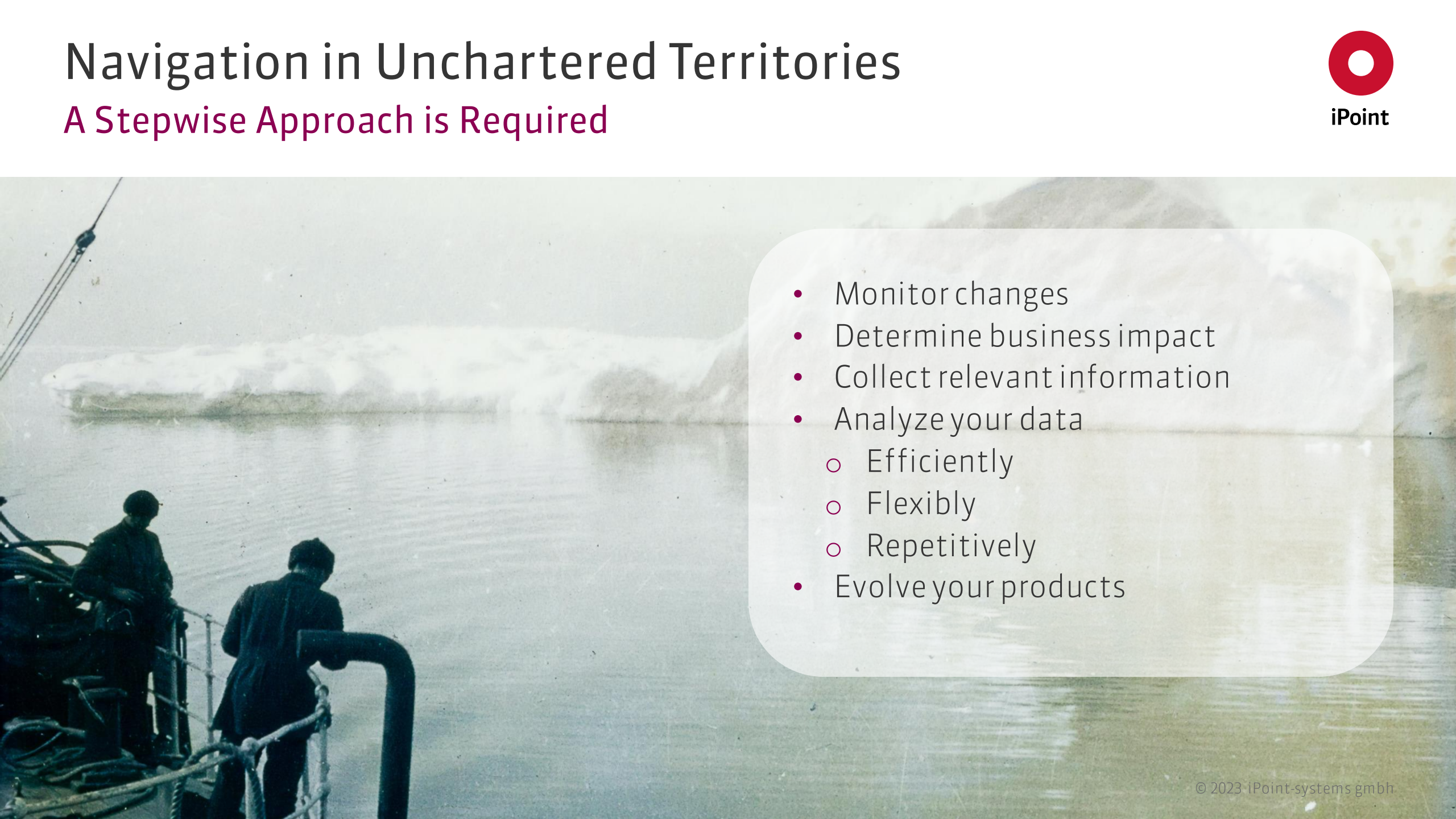
EU

2006 PFOSs
2012 C11-C14 ; PFAC
2013 PFOAs
2015 C9 PFACs
2017 C10 PFACs; PFHxS
2019 HFPO-DAs (GENX)
2020 PFBS
2023 C9-14 PFCAs
In Preparation:
PFHxS; PFHxA
Broad restriction for all PFAS

High Level of Uncertainty

Navigation in Uncharted Territories

A Stepwise Approach is Required

- 
- Monitor changes
 - Determine business impact
 - Collect relevant information
 - Analyze your data
 - Efficiently
 - Flexibly
 - Repetitively
 - Evolve your products



Know your Materials!

Key Success Factors

Flexibility and Awareness

- 
- Start with the data you have
 - in one place
 - Tailor your analyses
 - find hotspots
 - Fill (major) data gaps
 - Know your key issues
 - before restriction
 - Get on the Path to Substitution

The PFAS Expedition

Take it Step by Step

- Identify your potential uses
- Determine key impacts on business
- Analyze Data
 - Where-used analysis
 - Substance lists in iPoint Compliance
 - New PFAS Rule Group (Release: Q2/2023)
- Identify affected products and materials
 - Determine key suppliers
 - Request and map additional data
- Easily Create Virtual Product of affected parts
 - Track PFAS use and substitution

Typical PFAS Uses

- Gaskets
- Hoses
- Insulation
- Sliding bushings
- Membranes
- Coatings
- Contact lubrication
- Electrode material
- Textiles

Tackle your Compliance Challenges

With iPoint



Integration and Collection

- All relevant data in one place
- Request and mapping of additional data

Analysis

- Of materials and substance use
- Adaptable to your questions

Report

- Critical topics and improvement progress
- Relevant customer information

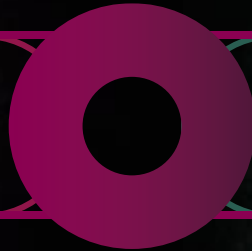
Evolve

- Data driven decisions
- Trigger and Track substitution processes
- Maximize of Data Utilization (IMDS data for PCF calculation)



Single Point of Information

Product Compliance



Product Sustainability

Automate your Processes

Thank you for your Attention!



Let's Talk

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