

Traceability of chemicals along (circular) supply chains

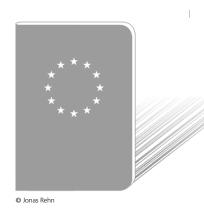
Insights from transformative research

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Societal and normative requirements for industries



Green Deal and "Zero pollution" Circular Economies Digital Product Passport

Increasing number of chemical regulations (restrictions, information obligations) world wide

Complex global supply chains



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Transformative research with industry shows way to traceability



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Scenario building processes with textile (2016-17) and leather sectors (2019): Traceability (FMD) enabler to increase control and move towards more sustainable chemistry

Study with Furniture sector (2018-19) shows benefits / business cases of traceability beyond end-of-life

LIFE AskREACH launched first feasibility studies (2020) with SMEs marketing electronics and children's footwear

Solutions for chemicals present in articles, research needs for process chemicals



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Horizontal and vertical cooperation is imperative



Cross-sectoral solutions enhance effectivity and efficiency

Proactive Alliance vision: standardize data structure and information requirements across sectors, support FMD

Trust enabled by **governance mechanisms** is key to leverage benefits

Cooperation with suppliers: continuous improvement processes in a learning system



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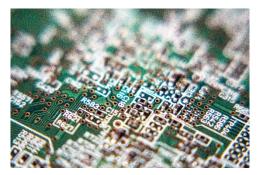
Legal challenges and prerequisites (1)

Industry

Create framework conditions ensuring compliance REACH "article" definition (O5A) as yardstick



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Avoid exemptions diluting effectiveness and compliance, example of ("historic") REC 19 in IMDS

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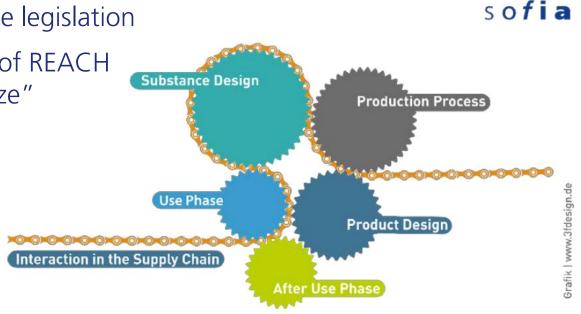
Legal challenges and prerequisites (2)

Legislators

Fix design flaws and advance legislation

 Proactive implementation of REACH Art. 33(1) "duty to organize"

- Provide SVHC info when "making available" in (online) catalogue
- Legal Frameworks:
 Advance incentives,
 reduce impediments



Conclusions

- 1. "Zero pollution" Circular Economy vision leaves **no way around IT enabled chemical traceability** (perspective: FMD)
- 2. Advance incentives for (cross-) sector solutions
- 3. REACH re-opening anticipated for 2022 is **an opportunity** to enhance the legal framework(s)
- 4. Research and IT development needed on **process chemicals'**"traceability" tech neutral; focus on actor's needs



Thank you for the Attention

www.sofia-research.com

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