

FINAL ONLINE CONFERENCE Darmstadt Leather Project More Sustainable Chemistry Along the Leather Supply Chains

Conclusions ... and Outlook:

Guiding principles towards "More Sustainable Leather Chemistry"

Dr. Julian Schenten

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HOCHSCHULE DARMSTADT UNIVERSITY OF APPLIED SCIENCES

s:ne

SYSTEM INNOVATION FOR SUSTAINABLE DEVELOPMENT





s:ne Conclusion



Harmonisation of Standards



Traceability: Pilots show proof of concept, but rulebook is missing. Investigate chances and engage!



Chemical and Process Innovations: Assessment tool pilot, ongoing research on CMF



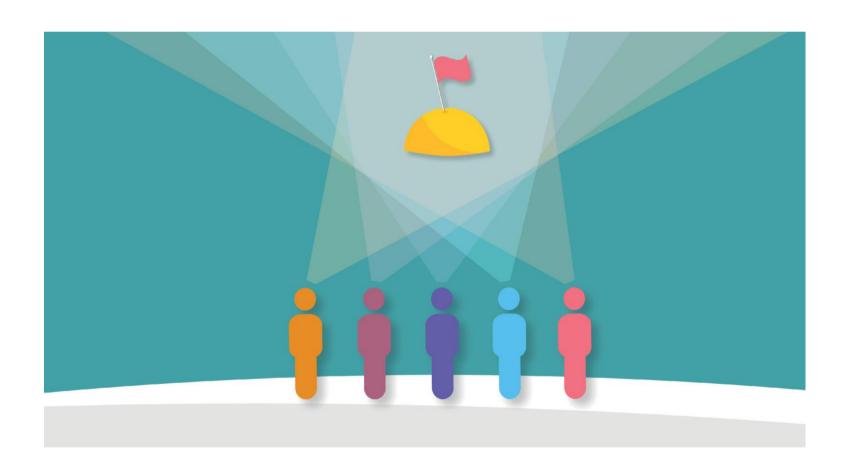
Design Guidelines: Handbook released - ready for roll-out



1	Outcomes 2	Impact
mative impulses	Improved working conditions in third countries Enforcement	
Inctural system optimization and corresponding business models cess innovations Ustry-wide governance structures for traceability tical and horizontal cooperation acity building	Cultural change" in the supply chains More sustainable production methods	Establishing a "more sustainable" chemistry in the leather supply chains
nged product development processes (towards SD) nged purchasing behaviour (sourcing towards SD)	A More sustainable products	
sing consumer awareness duct and information services at the point of sale	Changing consumption patterns	



But this does not have to be the end of the story....



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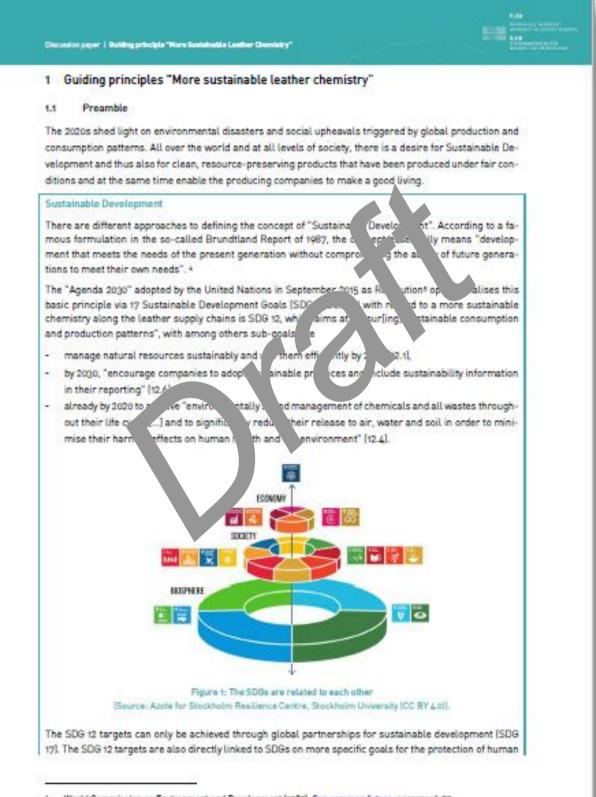
- Capturing 5 year project experience
- Created by industry (chemicals, leather, brands), and (leather) research
- 15 Principles (procedural + substantive)
- Context: Preamble and background paper
- Current status: Finalization (today: Draft)

Discussion paper Building principle "Hore Sustainable Leather Chemistry"		
3	Sustainable Economic activity	A More Sustainable Leather Chemistry strives to resolve the trade-offs often associated with a sustainable economy. It enables companies to op- erate under fair competitive conditions while building resilience and gen- erating profits. At the same time, business models are based on more sustainable production methods [No. 6].
4	Fulfilment of legal obligations	A More Sustainable Leather Chemistry defines the fulfilment of local (pro- duction or marketing) legal requirements in the areas of environment, oc- cupational health and safety, and social welfare as a minimum qualitative requirement.
5	Legal developments	For a More Sustainable Leather Chronist contranies need to respond to regulatory developments and poare with necessary to ensure that they comply with future legislation
6	More sustainable production methods	A More Sustainable Leather Chemin s based the iterative review of more sustainable production methods that he less or no negative impacts of processes and protons (through ut the line cle) in terms of environment, health an utery social social socts.
7	Life cycle approach and prod- uct ecosystems	A More Sustainable Lowher Choose we mean wat all impacts related to functionality to fort durately, etconvironment, health and safety, social and the omic aspect - as we have their interactions - are consid- need through the life of on outs within their product ecosystem.
8	Chemicals Management (CM)	 I.A. The Sus is able Leather-onemistry requires that companies adopt and in a ment incrive chemical management that ensures that risks identified using standardised procedures (e.g. OECD) are (1) adequately controlled with regard to human health and the environment throughout the life count, and at the same time (2) measures are taken to avoid risks (risk production). The following also applies to the CM: II. The LM must at least refer to all substances for which the respective uscable law (No. 4) standardises requirements. III. CM is also a learning process (No. 1). CM must therefore refer to all substances that (may) be identified as problematic in the foreseeable future due to legal developments (No. 6). IV. The CM basically examines the particularly effective and at the same time costly "hazard-based" approach, i.e. the aim is to substitute substances on the basis of the known problematic properties, provided that preferable alternatives are available.
9	Environmental management	I. A More Sustainable Leather Chemistry requires, as far as not covered by <u>No. 8. to</u> ensure through appropriate environmental management that, as far as possible, no or only minor negative impacts on the environment (resources) occur, taking into account: ⁸ II. Use of pesticides and fertilisers

Overview according to UNECE 2021, <u>Business Process Analysis for Sustainability and Circularity in the Leather</u> <u>Value Chain</u>, 15 [adapted; see further references op. cit.].

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- Goal: International level playing field
- Can be used as a mission statement
- Guidance for companies: Benchmark and advance business models, operations and strategies
- Benchmark and advance standards
- Work towards alignment with target scenario
- Framework to further develop and roll-out subproject solution approaches
- Official launch soon



⁴ World Commission on Environment and Development (1987), <u>Dur common future</u>, paragraph 27.

I United Nations 2015, <u>Transforming our world: the 2030 Agenda for Sustainable Development</u>, New York.



More Sustainable Chemistry in the Leather Supply Chains We can work it out!



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/// FINAL OUTPUT /// TOOLS /// RESULTS /// MORE ///

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