



Collective action for scaleable innovations on safer chemistry

 **ZDHC**

Dr. Christina Raab
Global Implementation Director, ZDHC

OUR VISION is widespread implementation of sustainable chemistry, driving innovations and best practices in the textile, apparel, leather and footwear industries to protect consumers, workers and the environment.

Ø ZDHC

Signatory Brands:



Value Chain Affiliates:



Associates:



The ZDHC Foundation

An integral setup to environmental improvements

The Roadmap to Zero Programme



Developing guidelines and tools for the industry

www.roadmaptozero.com

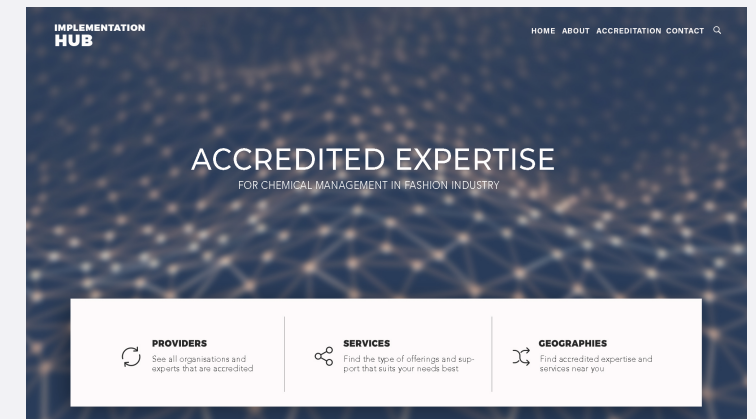
The ZDHC Academy



Building capacity of the value chains

<https://academy.roadmaptozero.com>

The Implementation HUB

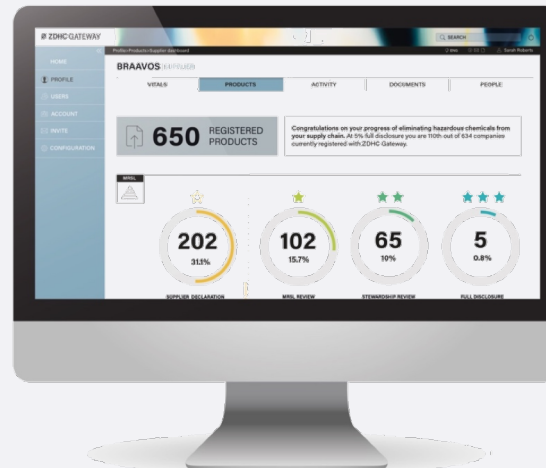


Scaling adoption and innovation

www.implementation-hub.org



Driving and scaling safer chemistry innovations



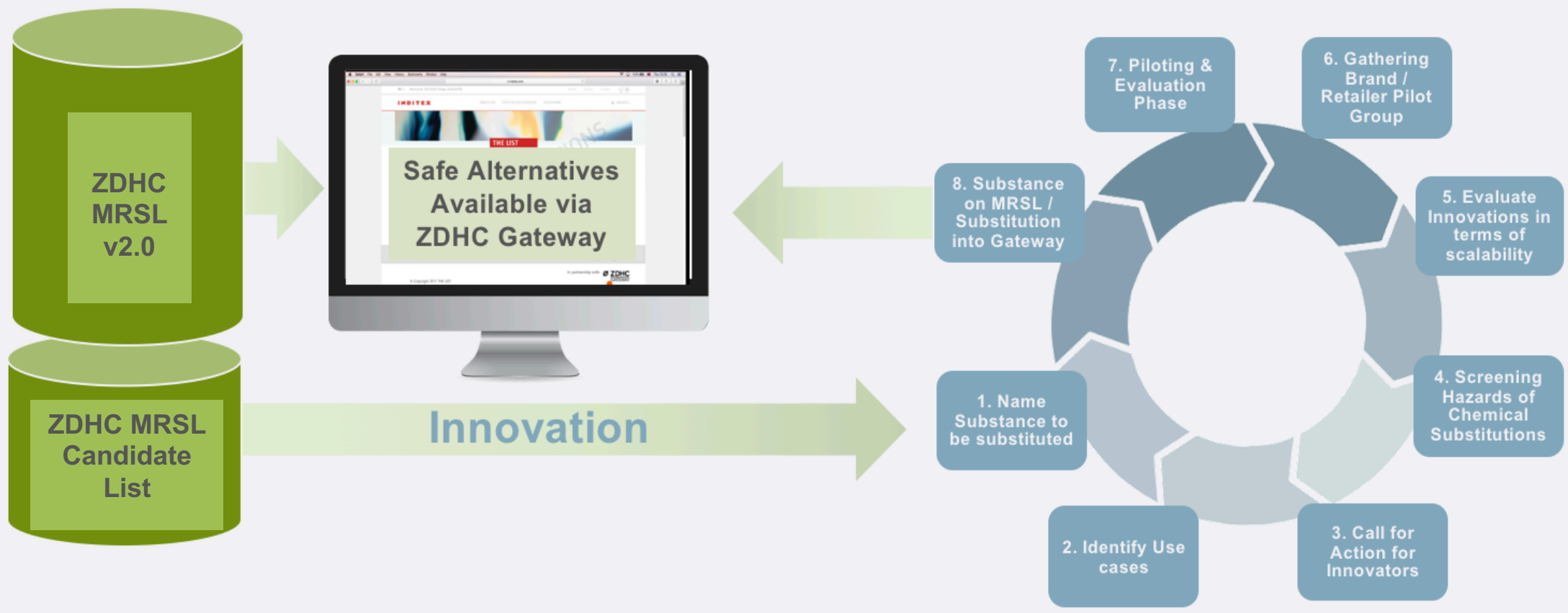
ZDHC MRSL and Candidate List (formerly Research List) are updated on an annual basis; ZDHC MRSL 2.0 to be released in June 2019

- **ZDHC MRSL:** technically feasible and economically viable alternatives exist for substances on the ZDHC MRSL
- **ZDHC Candidate List** includes high-priority chemical substances lacking viable, safer, widely/readily available alternative chemicals or processes
- **ZDHC Gateway – Chemical Module** with innovation section for safer chemical alternatives



Safer alternatives and chemistry innovations

Driven by MRSL update process and ZDHC Gateway



Example: DMF phase-out in China for coated fabrics

Effective mechanism for faster scaling

Bundling expertise across the supply chain

- **Brands and retailers** (international and domestic)
- **Manufacturers** (chemical companies, PU fabric mills, product manufacturers)
- **Industry Association**
- **Local government**
- **Research institutions**



Addressing barriers to scaling

- Tackling **technical, quality and performance issues**
- **Safer alternatives assessment**
- Setting up **scaleable showcases**
- Connecting to **purchasing decisions** of brands

Transforming the sector

- **Significant increase in DMF-free output**, e.g. increased 80% (from 2017 to 2018); compared with 2015, water-based PU output increased ca. 300%
- Project influences **China policy making and group standard setting on national level**

Collaboration opportunities between GC3 and ZDHC

- Applying of ZDHC MRSL concept / tools to sectors beyond ZDHC with GC3 as connection point for MRSL management across these sectors
- Partnering for building the innovation section of the ZDHC Gateway (from demand identification to review to scaling)
- Setting up demonstration projects around the ZDHC Candidate List
- Leveraging mutually enhancing geographical reach and sector scope
- Considering funding and organisational synergies

