INSIGHTS REPORT





ASSOCIATIONS **TOWARDS AEROGELS**

EXPLORATORY RESEARCH @HERZO OUTLET

February 2024

adidas & FAU

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CONTENT 1. EXECUTIVE SUMMARY

- 2. METHODOLOGY
- 3. RESULTS
- 4. IMPLICATIONS FOR BTF



EXECUTIVE SUMMARY







IMPRESSIONS OF THE DAY





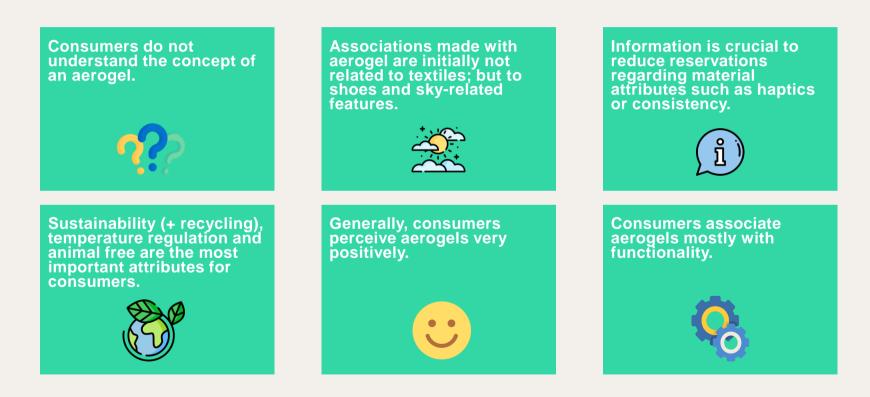
BIOTEXFUTURE' TAKE PART IN SHAPING THE FUTURE

KEN AUSGANG NO EXT

KEY INSIGHTS

6

What we know now...



METHODOLOGY

TRANSITIONLAB INTERACTIVE RESEARCH CONCEPT & AIM OF FORMAT

Based on the *AlgaeTex-TransitionLab Consumer Workshop @ the* GreenLab adidas Flagship Store Workshop last year we want to extend the format to a BIOTEXFUTURE research format exhibition to gain knowledge on the consumers associations and validate our concepts/ narratives and storylines.



GAIN INSIGHTS Associations

<u>Baseline research</u> to understand current stakeholder landscape and first associations of consumers to material, feedstock, process.



<u>Hypothesis testing</u> and validation of initial concept / story / approach.

AIM & OBJECTIVE

REALIZATION

What: Test consumer associations towards LightLining (Aerogels)

Objective: Gain understanding of consumers associations towards Aerogels so that we know how to best communicate and bring the material innovation into market.

When: 1 Day (04.12)

How: open questions Survey + Smoothie as incentive

Space 2,5x4x2,5 m @Outlet Herzogenaurach

WHAT WE ASKED

PRE

• What are the first four words, thoughts, images, etc. that come to mind when you think of aerogels? 1) Please write down the four terms. You can also draw something to go with them. 2) Please rate and mark the terms as positive (+) or negative (-).

POST

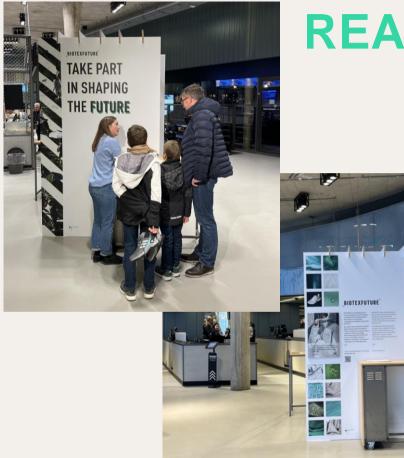
- What are the first four words, thoughts, images, etc. that come to mind when you think of aerogels, now? 1) Please write down the four terms. You can also draw something to go with them. 2) Please rate and mark the terms as positive (+) or negative (-).
- In the future, the aerogel will be used as insulation for an outdoor textile product. How would you feel about this? 1) Please briefly describe your thoughts and feelings.



DATA COLLECTION: QUESTIONNAIRE

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What are the first four words, thoughts, images, etc. that come to mind when you think of aerogels?	1		
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1	1	1	In the future, the aerogel will be used as insulation for an outdoor textile product. How would you feel about this?
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TRANSITION LAB BIOTEXFUTURE	7		1) Prease unerty describe your throughts and reedings.
Survey LightLining Part 1 - PRE - 04.12.2023			

TRANSITION LAB Survey LightLining Part 2 - POST - 04.12.2023 BIOTEXFUTURE



REALIZATION













RESULTS



1. RESULTS ASSOCIATIONS

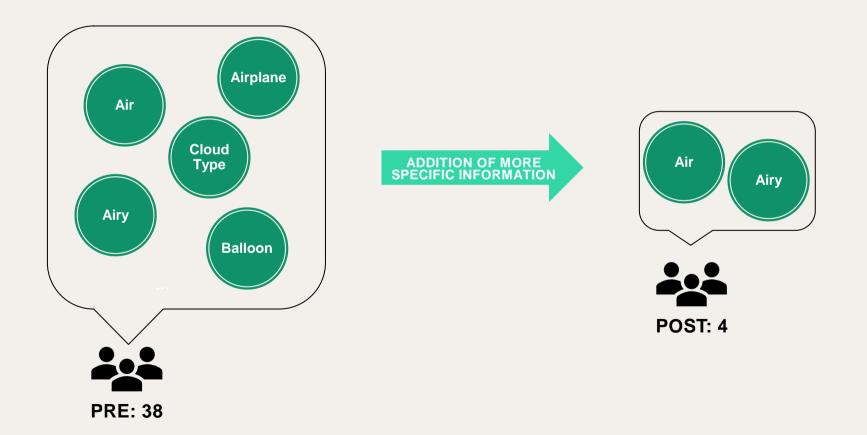


RESULTS ASSOCIATIONS

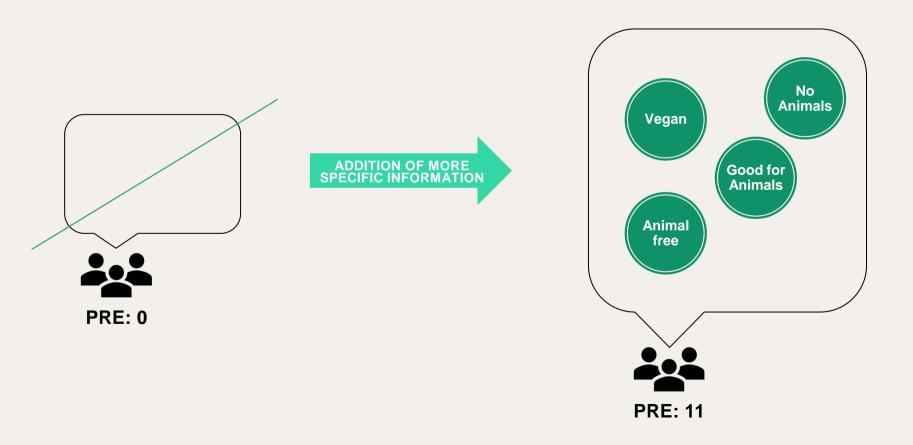
THEMES	ANZAHL PRE	MEAN VALENCE PRE	ANZAHL POST	MEAN VALENCE POST	x	p-value
Air & Sky related						
Features	38	1	4	1	41.97	<.001
Animal Free	0		11	1	12.09	<.001
Artificial	2	1	2	0	.00	1.00
Body & Health	11	0	1	1	9.24	.002
Brand	2	1	2	0,5	.00	1.00
Clothing	2	0,5	7	0,79	3.00	.083
Color	3	0,79	0		3.08	.079
Consistency	29	0,75	0		38.04	<.001
Economy	0		4	0,75	4.14	.042
Feeling & Opinion	16	0,8	25	0,8	2.32	.127
Footwear	23	0,75	2	0,75	22.19	<.001
Form	3	1	0		3.08	.079
Future	2	1	7	1	3.00	.083
Haptics	15	0,97	0		17.10	<.001
Innovation	3	0,92	8	1	2.50	.114
Material Attributes	47	1	57	0,97	4.54	.019
Nature	10	1	6	0,92	1.15	.283
Other	1	1	1	1	.00	1.00
Recycling	1	1	12	1	10.42	.001
Science	0		1	1	1.01	.315
Sport	0		1	1	1.01	.315
Sustainability	0		42	0,95	64.05	<.001
Temperature	0		31	1	41.56	<.001
Type of Material	0		2	1	2.03	.154



AIR & SKY RELATED FEATURES

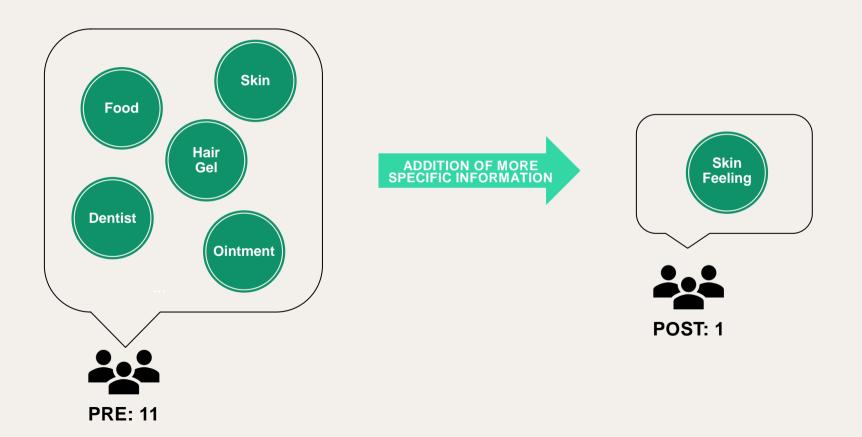


ANIMAL FREE



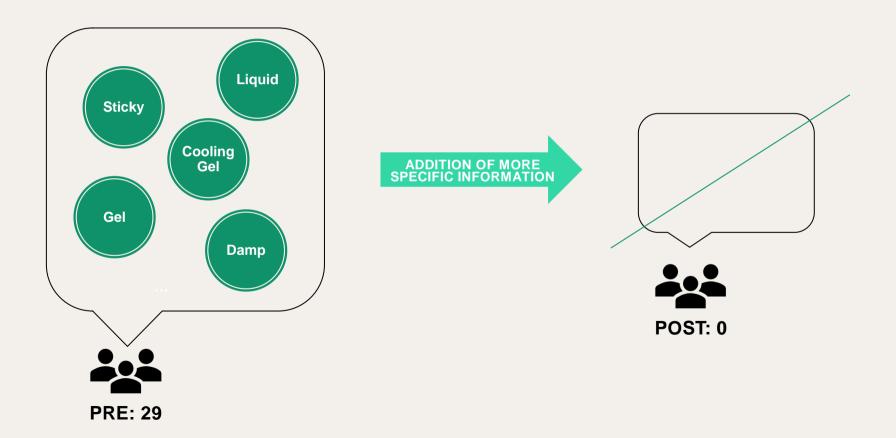


BODY AND HEALTH



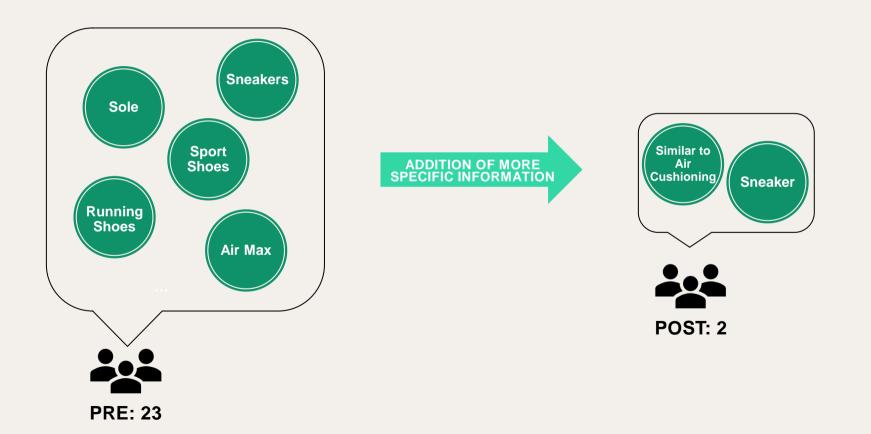


CONSISTENCY

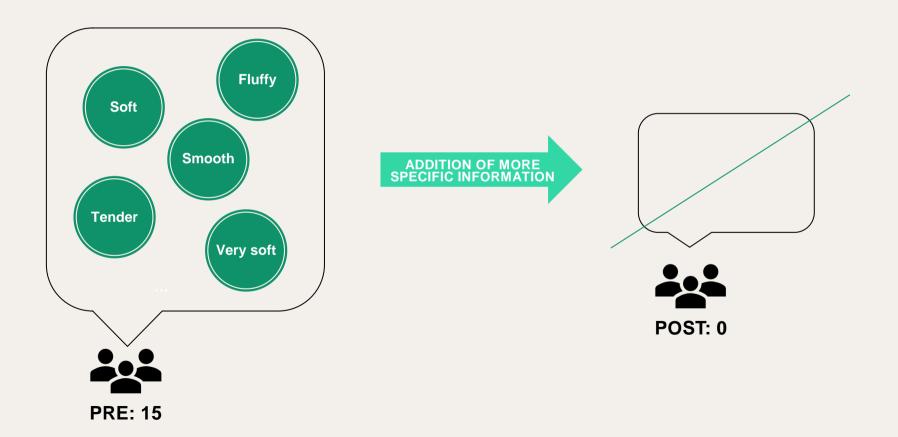


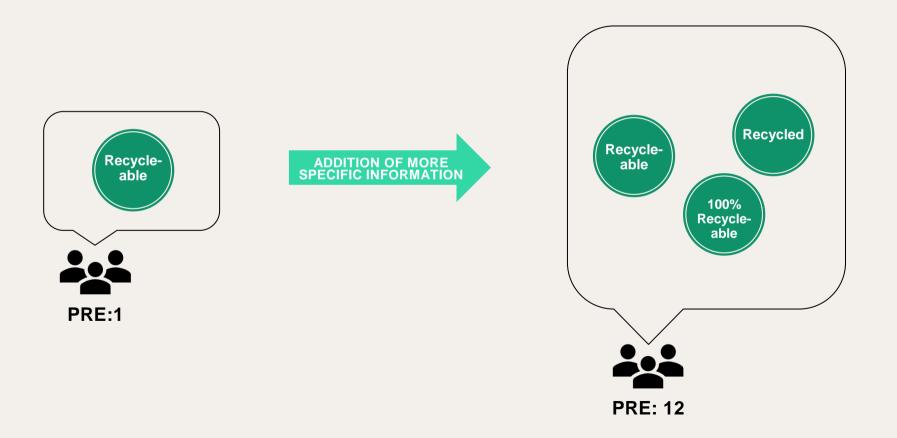
BIOTEXFUTURE TRANSITION LAB

FOODWEAR

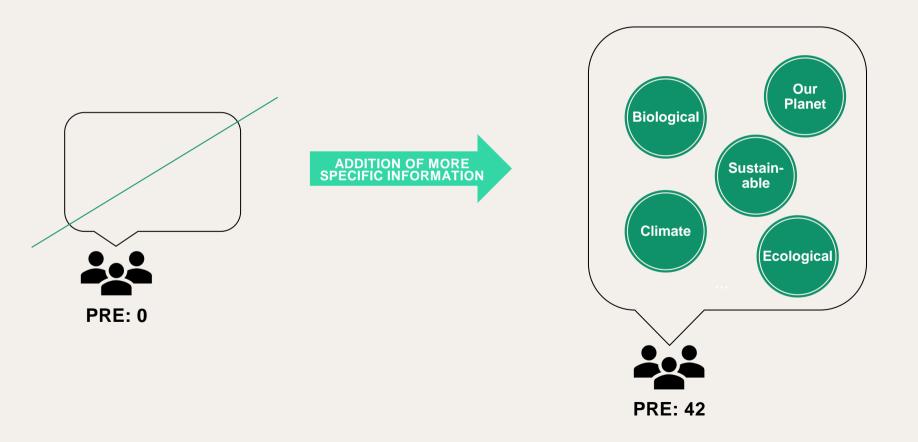


HAPTICS

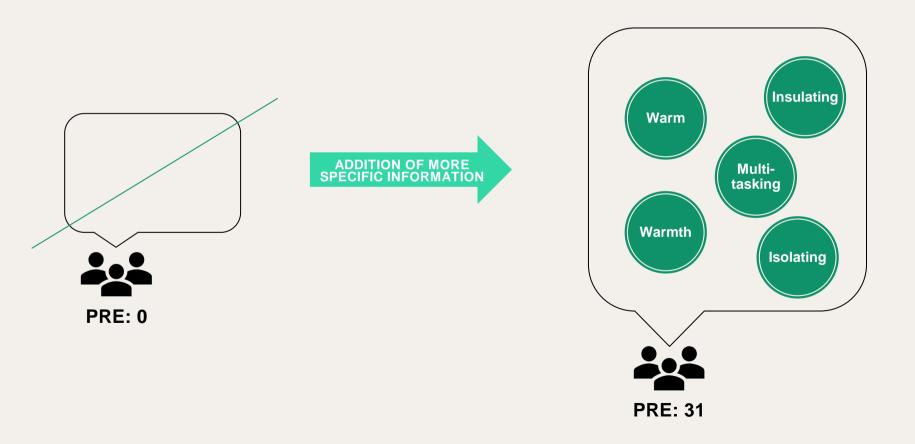




SUSTAINABILITY



TEMPERATURE



1. RESULTS OPEN QUESTION



OVERVIEW OF RESULTS

Category	Mentions	Key Insights
Alternative	3	Seen as a good alternative for polyester
Availability	3	Concerns about availability of material
Functionality	13	Material considered highly functional, e.g., warming and breathable
Future	3	Futuristic material
Good	10	Good idea and excitment to try it out
Innovation	4	Promising and innovative material
Price	3	Concerns about price
Purchase	2	Higher willingness to pay
Scepticism	3	Skeptical about type of material
Smell	1	Concerned about smell
Specific Usecase	2	Traveling, winter (sports)
Sustainability	8	More sustainable / recyclable than other materials
Wear	7	General interest in wearing material

FUNCTIONALITY

"Definitely positive, if the function is as good as clothes that are worn nowadays."

"It is great that it is light and easily washable, it feels soft, more space in the wardrobe." "Easy to transport: you can just scrunch it together and take it with you, easily washable which is important for sports/outdoor."

"I am sure it feels good, is comfortable and functional "

GOOD (POSITIVE FEELINGS)



SUSTAINABILTY

"Very good as it is an important step towards sustainability."

"I think it is a very good idea to bring a product like this to the market that is based on **sustainable principles**, esp. With the attributes, **I would buy it**."

"Good possibility to **buy** sustainable clothing."

"I would like it if there were sustainable materials like this."

"Good idea, save the planet."

IMPLICATIONS

IMPLICATIONS FOR LIGHTLINING

- 1. Consumers consider the material to be highly functional
- 2. Functionality of the material is they key aspect to focus on e.g., warming and breathable
- \rightarrow Test hypotheses on exact communication strategies in the future

Examples for possible future communication strategies to test:

Example 1: Communicate the warming qualities of the material (i. e. in combination with vegan/animal free properties)

Example 2: Communicate the breathable qualities of the material (i. e. in combination with activities)

IMPLICATIONS FOR BIOTEXFUTURE

- 1. Setup and realization very easily doable
- 2. Pre / post design good for early stage research and to validate whether right information about material is being given

Examples for possible future usage:

- Lange Nacht der Wissenschaften (FAU)
- Pre / post designs with actual BIOTEXFUTURE Demonstrators



LIGHTLINING CONSUMER ASSOCIATIONS

Please reach out for feedback and questions to:

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Bundesministerium für Bildung und Forschung The innovation space BIOTEXFUTURE is funded by the BMBF

Further information can be found here: www.biotexfuture.de