BIOTEXFUTURE

ACCESS TO TRANSITIONLAB STUDIES AND THEIR RESULTS

HOW TO BEST MAKE OUR INSIGHTS AVAILABLE

DANIEL BAIER, ANDREAS KARASENKO, UNIVERSITY OF BAYREUTH (TRANSITIONLAB, TP C) OCTOBER 18, 2024

TRANSITIONLAB, TP C: THE TEAM OF THE BAYREUTH WORKSTREAM A PROJECT WITHIN BIOTEXFUTURE



TRANSITIONLAB ——

WHY? Tackle the societal challenges for the transformation of the textile industry

HOW? Create knowledge about

- success factors as well as
- ethical, legal and social implications (ELSI) of this transformation

TP C (THE BAYREUTH WORKSTREAM)

Success factors of bio-based textile product innovations

Acceptance and communication of bio-based textile product innovations (work in progress)

Communication guideline (work in progress)

DANIEL BAIER, ANDREAS KARASENKO: ACCESS TO TRANSITIONLAB STUDIES AND THEIR RESULTS 2

CONTENTS OF THIS INSIGHTS SESSION

_BIOTEXFUTURE[¬]

- 1 Motivation: Many Results from TransitionLab-Studies are Available
- 2 The Idea: A Database of TransitionLab Studies and Results as a Knowledge Base
- **3 Overview of the Database Structure and its User Interface**
- 4 Overview of the Studies and Results in the Database
- **5** Sample Application



1 MOTIVATION: MANY RESULTS FROM TRANSITION-LAB STUDIES ARE AVAILABLE

THERE ARE 59 TRANSITIONLAB STUDIES WITH 152 RESULTS AVAILABLE

STUDIES PERFORMED BY THE BAYREUTH TEAM (SECONDARY AND PRIMARY RESEARCH), BUT ALSO BY OTHER TRANSITIONLAB PARTNERS (RWTH, ADIDAS, FAU, DUISBURG)

- BT1 (2019/20): 40 master students in 13 teams; e.g., 3 Kano surveys; presentation in Herzogenaurach
 - How can we distinguish successful from less successful developments?
 - How do consumers rate bio-based in textiles and sporting goods? How is their willingness-to-pay?
- BT2 (2020/21): 35 master students in 10 teams; target segments: representative (panels), pupils+students, football clubs
 - What do consumers understand by bio-based? What expectations and, above all, fears are associated?
 - How could the return of bio-based and other textiles be promoted (circular economy)?
- BT3 (2021/22): 30 master students in 10 teams; "purchases" instead of "attitudes/buying intentions"
 - What motivates and inhibits consumers to buy bio-based products?
 - How much derating would be acceptable? How should this be communicated?
- BT4 (2022/23): 9 master students in 2 teams; other branches and offers (automotive, home textile, tech textile)
 - How should New Cotton products be communicated in an online shop to attract Generation Z?
 - What motivates and inhibits automotive customers to buy pomace-based leather?
- BT5 (2023/24): 13 master students in 4 teams
 - How to communicate bio-based to consumers (story telling, dealing with deficits)?
- BT6 (2024/25): 12 master students in 4 teams, kick-off was today
 - How important is regulation for the success of bio-based (EU: Circular Economy Action Plan)?
 - Which measures are accepted by consumers (e.g., return policies, share of recycled fibres, range limitations)?

THERE ARE 59 TRANSITIONLAB STUDIES WITH 152 RESULTS AVAILABLE

SAMPLE STUDY: HOW SHOULD WE COMMUNICATE BIO-BASED TO INCREASE PURCHASES?

Research questions and survey

- n=800 respondents were confronted with choice decisions among T-shirts with three different materials: petroleum-based fibers (polyester), bio-based fibers (algae, cellulose, or mushroom), and natural fibers (cotton).
- Randomly they were divided into three blocks with different selling propositions for bio-based
 - Basic info (scenario 1)
 - Additional hint to sustainability aspects (scenario 2)
 - Additional hint to functional advantages (scenario 3)
- The basic info and the additional aspects were discussed with Joe Meakin (BIOTEXFUTUREproject ALGAE).
- A representative sample of customers was interviewed (female 50%, male 50%, 16-27 years old: 65%, 28-45: years old: 35%) using random sampling from an online access panel.

	Scenario/block	Explanation for the visitors of a fictive shop
	Basic info (scenario 1)	Bio-based fibers are plastics that are made from rapidly renewable raw materials such as algae, cellulose, fungi.
	Additional hint to sustaina- bility aspects (scenario 2)	Compared to natural fibers, significantly less water and space is required for raw material extraction and fiber production. Compared to petroleum-based fibers, the (scarce) petroleum resources of the earth are spared during the extraction of raw materials. In addition, significantly less water is required for fiber production and significantly less CO_2 is emitted.
•	Additional hint to functional advantages (scenario 3)	 Compared to clothing made from natural fibers or from petroleum-based fibers, clothing made from bio-based fibers has a number of advantages: It feels softer and is lighter. It also cools better when it's hot. It dries faster when it's wet.

INSIGHTS SESSIONS DEALING WITH ACCEPTANCE & COMMUNICATION BIOTEXFUTURE

INSIGHT SESSIONS SUMMARIZE TRANSITIONLAB RESULTS FOR BIOTEXFUTURE MEMBERS

- IS2021#1 (Adidas, 02/2021):
- IS2021#2 (BT, 07/2021):
- IS2021#3 (BT, 10/2021):
- IS2022#1 (Adidas/Akin, 03/2022):
- IS2022#2 (BT, 04/2022):
- IS2022#3 (Adidas/FSI, 05/2022):
- IS2022#4 (DUE, 06/2022):
- IS2022#6 (FAU, 09/2022):
- IS2022#7 (DUE, 10/2022):
- IS2022#8 (FAU/Symanto, 11/2022):
- IS2022#9 (RWTH, 12/2022):
- IS2023#2 (BT, 02/2023):
- IS2023#4 (DUE/P, 05/2023):
- IS2023#5 (BT, 06/2023):
- **IS2024#5** (BT, 05/2024):
- **IS2024#10** (BT, 10/2024):

Consumer Perceptions of Bio-based Products – Review of 16 papers **Consumer Perceptions of Bio-based Garments** – 5 quantitative studies Success Factors in Sustainable Textile Innovations – Comparisons (n=176) Cultural Expectations on Bio-based Materials – Qualitative study **Communication Strategies for Bio-based Products** – 6 online experiments **Consumer Perceptions of Bio-based Textiles** – Quantitative study **Understanding Bioeconomy on Twitter** – Social media analysis All Eyes on Algae: What We Know so Far – 3 qualitative studies Stakeholder Groups and Key Actors of the Bioeconomy - Social Media Analysis **Consumer Insights on Bio-based Products** – Social media analysis Expert Perspectives on Bottlenecks and Barriers to a Bio-Based Future How to Successfully Communicate Sustainability Information? - Lab Experim. **Comparing Markets: Communication on Twitter** – Social Media Analysis Acceptance and Communication of Bio-based Textiles – Summary Further Application Areas: Automotive, Technical, Home Textiles – Summary Access to TransitionLab studies and Results – Summary

RECENT PAPERS DEALING WITH ACCEPTANCE & COMMUNICATION

BIOTEXFUTURE

A SELECTION FROM 27+ JOURNAL PUBLICATIONS AND 5+ DISSERTATIONS

- Baier, D.; Rausch, T.; Wagner, T. (2020): The Drivers of Sustainable Apparel and Sportswear Consumption: A Segmented Kano Perspective. In: Sustainability, Vol. 12, No. 7.
- Brand, B.; Rausch, T. (2021): Examining Sustainability Surcharges for Outdoor Apparel Using Adaptive Choice-Based Conjoint Analysis. In: Journal of Cleaner Production, Vol. 289.
- Brand, B.; Rausch, T.; Brandel, J. (2022): The Importance of Sustainability Aspects When Purchasing Online : Comparing Generation X and Generation Z. In: Sustainability. Vol. 14, No. 9.
- Brand, B.; Kopplin, C. (2023): Effective Return Prevention Measures in the Post-purchase Stage : A Best-Worst Scaling Approach, In: Marketing : ZFP Vol. 45, No. 1, pp. 30-47.
- Kopplin, C.; Rösch, S. (2021): Equifinal Causes of Sustainable Clothing Purchase Behavior: An fsQCA Analysis Among Generation Y. In: Journal of Retailing and Consumer Services, Vol. 63.
- Kullak, F.; Baier, D.; Woratschek, H. (2023): How Do Customers Meet Their Needs in In-store and Online Fashion Shopping? A Comparative Study Based on Jobs-To-Be-Done Theory. In: Journal of Retailing and Consumer Services. Vol. 71.
- Rausch, T.; Baier, D.; Wening, S. (2021): Does Sustainability Really Matter to Consumers? Assessing the Importance of Online Shop and Apparel Product Attributes. In: Journal of Retailing and Consumer Services Vol. 63.
- Rausch, T.; Kopplin, C. (2021): Bridge the Gap: Consumers' Purchase Intention and Behavior Regarding Sustainable Clothing. In: Journal of Cleaner Production, Vol. 278.
- Rese, A.; Baier, D.; Rausch, T. (2021): Success Factors in Sustainable Textile Product Innovation: An Empirical Investigation. In: Journal of Cleaner Production, Vol. 331.
- Schreiner, T.; Baier, D. (2022): Consumer Preferences for Marketing Actions with Consumer Self-Benefits Versus Other-Benefit Components. In: Journal of Marketing Management, Vol. 37, No. 17-18.

HOW TO MAKE THEM AVAILABLE FOR DESIGN AND COMMUNICATION?

THE IDEA: ALLOCATING THEM TO ANSWER SHIFT GUIDELINE QUESTIONS (WHITE ET AL. 2019)



	Social Influence	Habit Formation	The Individual Self	Feelings & Cognition	Tangibility
Drivers	Social normsSocial identitiesSocial desirability	 Discontinuity to change bad habits Implementation intentions Making it easy, Prompts Feedback, Penalties Incentives 	 The self-concept Self-consistency Self-interest Self-efficacy Individual differences 	 Negative emotions Positive emotions Information, learning, and knowledge Eco-labeling Framing 	 Matching temporal focus Communicate local and proximal impacts Concrete communications Encourage the desire for intangibles
	COMMUNICATION GUIDELINE BIOTEXFUTURE'	 ✓ How do consumers perceive different sustainability concepts? What are their preferences? ✓ What is a consumer's motivation to buy a (sustainable) product? ✓ How does consumers' willingness to pay change for different sustainability concepts (e.g. bio-based)? ✓ Which factors influence the attitude behavior gap? 	 ✓ Which factors influence the attitude behavior gap? ✓ How can/must we inform the consumer to use a product in a sustainable manner? 	 What do consumers believe to know? What do they need to know? What do consumers know about conse- quences of processes, feedstocks, materials, usage, and different sustainab. concepts? Which communication strategies and terms are currently used and successful? Why? How can/must we inform the consumer to use a product in a sustainable manner? 	 Which factors influence the attitude behavior gap? Which communication strategies and terms are currently used and successful? Why? How can/must we inform the consumer to use a product in a sustainable manner?

2 THE IDEA: A DATABASE OF TRANSITIONLAB STUDIES AND RESULTS AS A KNOWLEDGE BASE

DATABASE AND USER INTERFACE IDEA (USING MS ACCESS)

Result

"Additional hints (functionality, less water and less petroleum waste) increase purchase shares of algae-based t-shirts (from 36 % to 51 % if three alternative t-shirts are offered)."

1:n

Study

"Discrete choice experiment among three t-shirts with varying prices and materials (algae, cotton, polyester) among a respesentative sample of Generation Y and Generation Z consumers."

User selects results and/or studies according to the following searchable fields (with flexible access):

BIOTEXFUTURE

- research area, research question, SHIFT driver,
- product, material, target group, target country,
- methodology, sampling process,
- start and end date of data collection,
- presentation date.

Selected results are summarized (results, impact) and the above information is additionally available.

Moreover, access to the reports and slides of the underlying study is made available (hyperlinks).

📙 🤌 < 🖓 - Results_DB_TransitionLab_241010 : Database- C:\Users\bt303\Documents\Results_DB_TransitionLab_241010.accdb (Access 2007 - 2016 file format) - Access

ew ews Ac \odot	te	Cut Copy Fil Format Painter board IS	P Ascending Image: Selection > Image: Selection >		$ \begin{array}{c c} & & & & \\ \hline & & & \\ \hline & & & \\ \hline \\ \\ \\ & \\ \hline \\ \\ \\ \hline \\ \\ \\ \\$	
h		Results of	TransitionLab within BioTex			
les Results Study ns	^	 Research area: Research question: Result: 	Communication Which communication strategies and terms are currently used and successful? Why? Additional hints (functionality, less water and petroleum waste)	Methodology:	Discrete Choice Experiment (CBC) with respect to a t-shirt with varying attributes: material (bio-based, petroleum-based, cotton), design, price Randomly, three explanations of bio-based were presented (text	
Formular Re Formular St			increase purchase shares of sustainable t-shirts (from 36 % to 51 % if three alternative t-shirts are offered).	gical details: Data	confirmed by project ALGAE): (1) basic explanation, (2) with a focus on sustainable production (less water, resources), (3) with a focus on better functionality (between subjects design) Online questionnaire (Sawtooth Software), interviews	
		Impact: Samplin		collection: Sampling process:	Random sampling (online panel)	
Result		SHIFT driver:	Feelings & cognition (positive emotions, negative emotions, framing, eco-labeling, information, learning, and knowledge)		Quotas with respect to gender (50% male, 50% female) and age (2/3 Generation Z 1995-2010, 1/3 Generation Y 1975-1994)	
Study Con-		ResultsID: 25 from study 25 by University of Bayreuth		Sample size:	n=791	
nec-		Studyname:	How to communicate algae-based to consumers (Harnisch 2022)	Sample cha- racteristics:	18.2% 16-20 years, 26.6% 21-24 years, 20.5% 25-27, 11.5% 28-34, 10.1% 35-40, 13.1% 41-47 years	
tion		Study research question:	Can we improve sales of bio-based t-shirts by additional hints to advantages (sustainable production, functional advantages)? Is there money plus for t-shirts made of algae?	a Start collection: Dissemination:	Insights Session und Report in June 2023 (sample study B); presentation	
		Product:	t-shirt		at the BioTexFuture project Biobase in November 2022	
		Material:	bio-based, algae	-		
		Target group:	Generation Y and Generation Z		References\Insights_Report_22_2023_06_BTpdf References\Harnisch_2022.pdf	
		Target country:	Germany	Link3		

D

_

 \times

3 OVERVIEW OF THE DATABASE STRUCTURE AND ITS USER INTERFACE

RESULTS TABLE WITH FIELDS AND POSSIBLE CONTENTS



Table	Field	Possible contents	
	StudyID	AutoNumber (identifies a result)	
	Studyname	Text	
	Organization	Adidas RWTH University of Bayreuth University of Duisburg-Essen University of Heidelberg	
StudyID	Study research question	Text	
	Product	t-shirt sneaker hoody jacket apparel shoes material car textiles home textiles (or a combination)	
	Material	algae bio-based cellulose mushroom recycled (or a combination)	
	Target group	Generation X Generation Y Generation Z Companies (or a combination)	
	Target country	China Germany EU France UK USA (or a combination)	
Methodology Text (e.g., Discrete Choice Analysis, Kano, Regre		Text (e.g., Discrete Choice Analysis, Kano, Regression Analysis, PLS, experiment with details)	
	Methodological details	Text (e.g., main dependent and independent variables/constructs)	
	Data collection	online questionnaire expert interviews focus groups (or a combination)	
	Sampling process	convenience sampling random sampling	
	Sampling details	online panel students blogs and social media friends and family	
	Sample size	n=	
	Sample characteristics	Text (e.g., age and gender distribution)	
	Start, end, presentation	Three dates	
	Dissemination	Text and hyperlinks to presentations, reports, journal papers with detailed descriptions and results	

RESULTS TABLE WITH FIELDS AND POSSIBLE CONTENTS



Table	Field	Possible contents	
	Research area	Product expectations & desire Knowledge & perception Communication Buying behavior Use & end-of-life Cooperation & foresight	
	Research question	e.g. for Product expectations & desire: "How do consumers perceive different sustainability concepts? What do they believe to know? What do they need to know?"	
	Result	Text (short summary of the result that comes from a TransitionLab study)	
	Impact	Text (short summary of the impact of the result that comes from a TransitionLab study)	
Results	SHIFT driver	Social influence (social norms, social identities, social desirability) Habit (Discontinuity to change bad habits, incentives, penalties, impl. intentions, making it easy, prompts, feedback) Individual self (self-concept, self-consistency, self-interest, self-efficacy, individual differences) Feelings & cognition (positive emotions, negative emotions, framing, eco-labeling, information, learning, and knowledge) Tangibility (Matching temporal focus, communicate local impacts, concrete communications, encourage desire for intangibles)	
	Result ID	AutoNumber (identifies a result)	
	Study ID	Number (relates to the study where the results comes from with identifying product, target group, .methodology,)	

4 OVERVIEW OF THE STUDIES AND RESULTS IN THE DATABASE

DISTRIBUTION OF THE 59 STUDYS AND 152 RESULTS

54

4

38

61

8

1

9

BIOTEXFUTURE

3

Results

SHIFT drivers results

•	Social	influence:	1
---	--------	------------	---

- Habit:
- Individual self:
- Feelings & cognition: 77
- Tangibility: 3

Research areas

- Buying behavior:
- Communication:
- Cooperation&foresight:
- Knowledge&perception: 17
- Product expectations: 18
- Regulation:
- Use&end-of-life:

<u>Studies</u>

Target groups investigated

٠	Companies:	6
•	Generation X:	20
•	Generation Y:	47

Generation Z: 47

• ...

Products investigated

•	t-shirt:	28
•	sneaker:	24
•	home textiles:	3
•	jacket:	12

• ...

Materials investigated

- algae: 59 bio-based: 50
- mushroom: 30

20

6

- recycled:
- leather:

Data collection

- online questionnaires: 43
- expert interviews: 11
- focus groups:
- secondary research: 9
- web mining:
- laboratory experiments: 3

• ...

Sampling process

- random sampling: 13
- students: 20
- convenience sampling: 29
- total sampling: 18
- ...

5 SAMPLE APPLICATION

SHOW ME RESULTS ON (BEST) COMMUNICATION OF ALGAE-BASED

L ۷ C4 ~ A Results DB TransitionLab 241010 : Database- C:\Users\bt303\Documents\Results DB TransitionLab 241010.accdb (Access 2007 - 2016 file format) - Access n × ÷ Fields are used to P Tell me what you want to do File Home Create External Data Database Tools Help find all results where X Cut 🗔 New . Ascendina 77 Selection \sum Totals C Replace ✓ III 1/2 → E ← > M ✓ research area contains Copy Z Descending Advanced ` 🕞 Save abc Spelling → Go To ~ Filtor Find Refresh View B I U A ~ *P* ~ A A v 🖽 I Format Painter All ~ 🗙 Delete 🗸 🔛 More ~ 🛠 Remove Sort Togale Filter Select ~ "Communication" and Clipboard Ŀ. Find Views Sort & Filter Records Text Formatting material "algae". Eormular Study × Formular Results X All Ac... 🕤 BIOTEXFUTURE **Results of TransitionLab within BioTexFuture** ρ Search... Tables ^ 52 (of 155) results Buying behavior Research area: Methodology: Success factor analysis: Empirical comparison of successful and less Results successful sustainable textile innovations based on assumed product. Which product, process, and organizational factors make Research were found and can process and cooperation success factors Study auestion: sustainable textile innovations successful? Methodolo-(1) Secondary research: more than 2,000 articles, studies, press be checked w.r.t. ~ Result: Forms Product managers tend to overestimate the new product success gical details: releases of companies on successful/less successful sustainable textile across success aspects (economic, image, environmental). Formular Res. Results, investigated innovations. (2) interviews with responsible product managers (inside Formular Stu.. and outside) and experts (industry, research) products, material, ... Data (1) Secondary research (more than 2,000 articles, studies, press collection: releases), (2) survey among product managers and experts Impact: Be careful concerning inhouse evaluations and predictions of new Sampling (2) Relevant innovations and responsible managers were selected product performance! External expert or customer evaluations in process: according to secondary research ("sustainable textile innovations") early development phases are necessary. The hyperlinks allow Sampling (2) Three rounds of collecting data from product managers and experts SHIFT driver: Habit (discontinuity to change bad habits, incentives, penalties, to read the full reports. details: implementation intentions, making it easy, prompts, feedback) Sample size: (1) n=176 sustainable textile innovations, (2) n=32 respondents ResultsID: 1 from study 1 by University of Bayreuth Sample cha-Total sample approach: All "innovative" developments discussed in Sustainable innovation success factors (BT1-2abd, Rese et al. 2021) Studyname: racteristics: literature and all responsible managers (18% response rate): Study research How can we distinguish successful from less successful sustainable additionally three experts were interviewed w.r.t. all developments question: textile innovations (e.g., shoes, t-shirts, jackets based on new Start collection: 01.10.2019 End collection: 31.12.2019 Presentation: 17.01.2020 materials & new materials themselves) via product, process, and Dissemination: Insights Session und Report: Presentation at Adidas 01/2021: Rese. A.: cooperation success factors? Baier, D.: Rausch, T. (2021): Success Factors in Sustainable Textile Product Product: t-shirt, sneaker, jacket, apparel, shoes, material Innovation: An Empirical Investigation, In: Journal of Cleaner Production, Material: recycled, bio-based, algae, cellulose, mushroom, organic Link1: References\Rese et al 2021.pdf Target group: Companies (Sporting goods and materials industry interested in Link2 References\Insights Report 03 2021 10 BT.pdf developing new sustainable products and materials) Target country: Link3 References\BT1-2abd.pdf Germany, France, UK, US, China Record: I + 1 of 152 + H + SQUnfiltered Search - --8

BIOTEXFUTURE

Form View

SHOW ME RESULTS ON (BEST) COMMUNICATION OF ALGAE-BASED

日 $\square \vee \square \vee$ Results DB TransitionLab 241010 : Database- C:\Users\bt303\Documents\Results DB TransitionLab 241010.accdb (Access 2007 - 2016 file format) - Access n × A Ŧ Fields are used to P Tell me what you want to do File Create External Data Database Tools Help Home find all results where X Cut - New . Ascendina 77 Selection ` \sum Totals 🔆 Replace Δ ✓ III 1 → E ← > M ✓ research area contains Copy E Save abc Spelling Z Descending Advanced > → Go To ∽ Filtor Find View Refresh BIUA D 2 A ~ I Format Painter Togale Filter All ~ X Delete V 🔛 More ~ ↔ Remove Sort Select ~ "Communication" and Clipboard Views Sort & Filter Records Find Text Formatting material "algae". Eormular Study × E Formular Results All Ac... ⊙ X Cut BIOTEXFUTURE **Results of TransitionLab within BioTexFutu** ρ Search... Copy Tables ~ 52 (of 155) results Research area: Communication ledge, expected quality, durability, comfort, Results Paste ctural equation model) What are the consumers' preferences with respect to Research were found and can Study auestion: communication? (2) manufacturing, (3) product property, (4) be checked w.r.t. ~ Result: Explanation of "bio-based" increases attitude and purchase Forms zed allocation intention (in each case: focus on recyclability, focus on susta Formular Res. Results, investigated production, focus on better functionality). Sort A to Z Formular Stu. products, material, ... Z. Sort Z to A ualtrics), interviews Impact: Bio-based must be explained in communication. Clear filter from Material e panel) > Text Filters Equals... The hyperlinks allow vears) SHIFT driver: Feelings & cognition (positive emotions, negative emotions, Equals "bio-based, algae, cellulose, m..." Does Not Equal... to read the full reports. framing, eco-labeling, information, learning, and knowledge Does Not Equal "bio-based, algae, cellulose, m..." Begins With... ResultsID: 5 from study 5 by University of Bayreuth years (average Contains "bio-based, algae, cellulose, m..." Does Not Begin With. Consumers' knowledge of and expectations vs. bio-based (B Studyname: r as highest Study research How to communicate bio-based? A comparison of aspects: Does Not Contain "bio-based, algae, cellulose, m..." Contains.. auestion: new material, functionality, control (no explanation) tion: 31.01.2021 × Delete Does Not Contain.. Ends With... Product: t-shirt Does Not End With... Form Properties Material: bio-based, algae, cellulose, mushroom Link1 References\BT2-1c.pdf Target group: Generation Y and Generation Z link2 Target country: Link3 Germany Record: I 4 1 of 52 + +I + TFiltered Search - -M Form View Filtered -=

BIOTEXFUTURE

SHOW ME RESULTS ON (BEST) COMMUNICATION OF ALGAE-BASED

Fields are used to find all results where research area contains "Communication" and material "algae".

52 (of 155) results were found and can be checked w.r.t. Results, investigated products, material, ...

The hyperlinks allow to read the full reports.

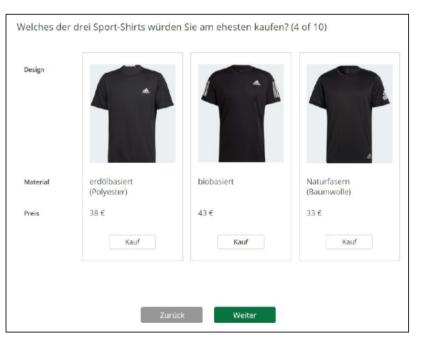
ACCEPTANCE AND COMMUNICATION OF BIO-BASED SAMPLE STUDY B: CAN WE IMPROVE THE IMPORTANCE OF BIO-BASED?

Methodology

• The main part in each block consisted of 8 choice tasks among three T-shirts with varying forms/colors, materials, and prices.

Results (here: shares of counts)

	Petro- leum- based (Polyester)	Bio-ba- sed fibre (algae,…)	Natural fibre (cotton)
Scenario 1 (basic)	19,8%	36,8%	43.4%
Scenario 2 (sus- tainable)	15,9%	50,2%	33,9%
Scenario 3 (func- tional)	17,1%	50,9%	32,0%



BIOTEXFUTURE

 Also: Bio-based shares are higher for female and elder respondents across all scenarios.

THANK YOU FOR YOUR ATTENTION!

DANIEL BAIER, ANDREAS KARASENKO UNIVERSITY OF BAYREUTH (TRANSITIONLAB, TP C) OCTOBER 18, 2024