**Appendix D: Constructs Used in the Questionnaire**

|  |  |  |
| --- | --- | --- |
| Construct | Measure | Time of measurement |
| Ingroup Identification  | We are all members of different groups and categories. For the following statements, please indicate how you subjectively feel about being a member of Precycling-HomeLabs. We use "Precycling-HomeLabs" here to refer to all participants\* in the Precycling-HomeLabs study. There are no right or wrong answers to this question; we are only interested in your personal, honest assessment. To what extent do you agree with the following statements?ingroupidentification\_01\_cen: I often think about the fact that I am a member of the Precycling-HomeLabs.ingroupidentification\_02\_cen: The fact that I am a member of the Precycling-HomeLabs is an important part of my identity. ingroupidentification\_03\_cen: Being a member of the Precycling-HomeLabs is an important part of how I see myself.ingroupidentification\_04\_sol: I feel a bond with members of the Precycling-HomeLabs.ingroupidentification\_05\_sol: I feel solidarity with members of the Precycling-HomeLabs.ingroupidentification\_06\_sol: I feel committed to the members of the Precycling-HomeLabs.ingroupidentification\_07\_sat: I am glad to be a member of the Precycling-HomeLabs.ingroupidentification\_08\_sat: It is pleasant to be a member of the Precycling-HomeLabs.ingroupidentification\_09\_sat: Being a member of the Precycling-HomeLabs gives me a good feeling.ingroupidentification\_10\_ste: I have a lot in common with the average member of the Precycling-HomeLabs.ingroupidentification\_11\_ste: I am similar to the average member of the Precycling-HomeLabs.ingroupidentification\_12\_ste: I am a typical member of the Precycling-HomeLabs.ingroupidentification\_13\_hom: Members of the Precycling-HomeLabs have a lot in common with each other.ingroupidentification\_14\_hom: Members of the Precycling-HomeLabs are very similar to each other.ingroupidentification\_15\_hom: Members of the Precycling HomeLabs share many characteristics in common.(1 = ‘strongly disagree’ to 5 = ‘strongly agree’) | t0, t1, t1b, t2 |
| Precycling behavior  | How much do you agree with the following statements?precyclingbehavior1: I consciously buy unpacked food.precyclingbehavior2: I buy sustainably produced food.precyclingbehavior3: I try to avoid food packaging waste at all.precyclingbehavior4: Compared to others I cause little food packaging waste.precyclingbehavior5: I strictly reject superfluous food packaging waste.(1 = ’completely disagree’ to 7 = ’completely agree’) | t0, t1, t1b, t2 |
| Reuse behavior | Please indicate how often you engage in these behaviors.reuse1: I use my grocery bags multiple times.reuse2: I reuse food packaging for the same purpose (e.g. paper bags for bread). reuse3: I reuse food packaging for other purposes (e.g. tetra pack for crafting).reuse4: I use reusable eating utensils when I am on the road (e.g. travel coffee mug, water bottle, reusable containers).reuse5: To bring my shopping home, I use my own bag, not a store-provided one. reuse6: I use my own containers to buy unpackaged food products.(1 = ‘never’ to 5 = ‘very often’) | t0, t1, t1b, t2 |
| Goal | ‘To what extent do you agree with the following statement?’Survey T0: goal\_precycling: I plan to avoid food packaging wasteSurvey T1: goal\_precycling: During the last five weeks I have been trying to avoid food packaging waste.Survey T2: goal\_precycling: During the last three month I have been trying to avoid food packaging waste(1 = ‘strongly disagree’ to 5 = ‘strongly agree’) | t0, t1, t1b, t2 |
| Descriptive social norms | DesNorms: ‘Please estimate the frequency with which the HomeLab participants try to minimize packaging waste when shopping food’(1 = ‘never’ to 5 = ‘very often’) | t0, t1, t1b, t2 |
| Injunctive social norms | Please give your rating for the following statements.InjNorms01: ‘If I reduced plastic while shopping, the HomeLab participants would …’ (1 = ‘approve’ to 7 = ‘disapprove’)InjNorms02: ‘The HomeLab participants consider minimization of packaging waste while shopping food as (1 = ‘irrelevant’ to 7 = ‘very relevant’)’ | t0, t1, t1b, t2 |
| Collective efficacy beliefs | ‘This is about the collective impact of all participants during the Precycling-HomeLabs and of you as a participant in the Precycling-HomeLabs. How much do you agree with the following statements?’collefficacybeliefs0:1 I believe that we, as members of the HomeLabs, can drive precycling. collefficacybeliefs02: I believe that we, as members of the HomeLabs, can contribute to solve the environmental crisis through joint actions. (1 = ‘totally disagree’ to 7 = ‘totally agree’) | t0, t1, t1b, t2 |
| Appraisal of the crisis | ‘Please rate the following aspects. Do you consider the following aspects as no problem, rather no problem, rather big problem, or very big problem?’appraisal\_aesthetic: aesthetic burden through packaging waste in the environmentappraisal\_health: health impairment caused by packagingappraisal\_energy: energy and resource use of packaging productionappraisal\_ocean: packaging waste in the oceanappraisal\_soil: packaging waste in soil appraisal\_extinction: species extinction through packaging in the environmentappraisal\_cliamte: increase of climate change from packaging waste(1 = ‘no problem’ to 5 = ‘very big problem’) | t0 |
| Sufficiency attitude | ‘Below you will read a series of statements. How much do you agree with the following statements?sufficiency01: I find it desirable to possess few things only.’sufficiency02 My comfort is more important than a frugal way of life.sufficiency03: I think it is unnecessary to have this affluence of different products in our supermarkets.sufficiency04: Through my lifestyle I want to use as few resources as possible.sufficiency05: All the new things that are sold all the time are a big waste of resources to me sufficiency06: I find it appealing to grow or produce as much food by myself as possible.  (1 = ‘strongly disagree’, 6 = ‘strongly agree’) | t0 |
| *Note.* t0 = pre, t1 = post (IG1 and IG2), t1b = post (WCG), t2 = follow-up. |