

Swiss Household Energy Demand Survey (SHEDS), Wave 2017

Questionnaire and codes

Last update: 25.01.2019

Preliminary notes

This document contains all questions and codes for wave 2017 of the Swiss Household Energy Demand Survey (SHEDS). The related datasets are named SHEDS2017.xyz.

Conventions:

- Variable names are written in **bold**.
- For questions coded in several variables, a suffix **_n** (n = 1, 2, ..., N) is appended to differentiate items. Suffixes are indicated in brackets [].
- Response codes are indicated in parentheses ().
- In questions where a single answer is possible, choices appear with a circle "O".
- In questions where multiple answers are possible, choices appear with a square "□".
- Text **shaded in grey** provides additional indications that were not shown to the respondents.
- Negative values indicate special types of missing values. In particular:
 - -1 = does not know (labelled dnk)
 - -2 = does not apply (labelled dna): the question is irrelevant (and hence not displayed) for some reason
- Compared to previous wave, questions that have changed marginally are appended with a final letter to emphasize the change and prevent any unnoticed mistake when merging different waves. For example, **accom2** has been changed to **accom2a** because house (**accom2** = 1) has been split to detached house (**accom2a** = 5), semi-detached house (**accom2a** = 6) and terraced house (**accom2a** = 7). In the same spirit, codes of the old variable that were changed (e.g., 1 in **accom2**) are not reused in the new variable.
- Returning respondents (i.e., those who already answered SHEDS 2016, thereafter: "old") are identified by the value 1 in variable **old**. The new respondents (thereafter "fresh") are identified by the value 0 in **old**.
- Five different choice experiments were conducted on returning respondents. Each respondent was assigned a single choice experiment, as indicated by the variable **group_ce**:
 1. Owners DCE (ODCE, responsible group: UniNe)
 2. Tenants MPL (TMPL, responsible group: UniNe)
 3. Vignettes (VB, responsible group: UniBas)
 4. Energy saving tariffs CBC (ES, responsible group: UniSG) + Status quo (SQ, responsible group: UniGe)
 5. Effort and climate (EFF, responsible group: UniNe)

The data relative to the choice experiments are excluded from the main database and provided in secondary databases, as indicated at the beginning of each dedicated section. The link between the main database and the secondary databases can be done using the respondents' **id**.

- In the secondary databases, the variables are sometimes grouped in order to avoid unnecessarily large datasets. Typically, when there are several treatment groups, different versions of the same question were asked to each group. For instance, say groups A and B have been asked two different version of **q1**. The original data will look like this:

id	q1_A	q1_B
1	1	
2		1
3	2	

The final data is then provided as follows:

id	treatment	q1
1	A	1
2	B	1
3	A	2

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Interview data (from Qualtrics)

id	Respondent's ID number (from 1 to 8296)
q_language	Language used by respondent during the questionnaire (DE = German, EN = English, FR = French)
q_totalduration	Duration of questionnaire (in minutes)
start	Date and time when questionnaire was started by respondent (format: DDMMYYYY hh:mm:ss)
end	Date and time when questionnaire was ended by respondent (format: DDMMYYYY hh:mm:ss)
time1	Date and time recorded after Introduction (format DD.MM.YYYY hh:mm:ss)
time2	Date and time recorded after Accommodation (format DD.MM.YYYY hh:mm:ss)
time3	Date and time recorded after Heating (format DD.MM.YYYY hh:mm:ss)
time_odce	Date and time recorded after ODCE (format DD.MM.YYYY hh:mm:ss) (only for group_ce=1)
duration_odce	Duration of ODCE (minutes) (only for group_ce=1)
time_tmpl	Date and time recorded after TMPL (format DD.MM.YYYY hh:mm:ss) (only for group_ce=2)
duration_tmpl	Duration of TMPL (minutes) (only for group_ce=2)
time_tr	Date and time recorded after Time and risk MPL (format DD.MM.YYYY hh:mm:ss) (only for group_ce=1/2)
duration_tr	Duration of Time and risk MPL (minutes) (only for group_ce=1/2)
time4	Date and time recorded after Electricity (format DD.MM.YYYY hh:mm:ss)
time_vb	Date and time recorded after VB (format DD.MM.YYYY hh:mm:ss) (only for group_ce=3)
duration_vb	Duration of VB (minutes) (only for group_ce=3)
time_es	Date and time recorded after ES (format DD.MM.YYYY hh:mm:ss) (only for group_ce=4)
duration_es	Duration of ES (minutes) (only for group_ce=4)
time_sq	Date and time recorded after SQ (format DD.MM.YYYY hh:mm:ss) (only for group_ce=4)
duration_sq	Duration of SQ (minutes) (only for group_ce=4)
time5	Date and time recorded after Mobility (format DD.MM.YYYY hh:mm:ss)
time6	Date and time recorded after Psychological attitudes (format DD.MM.YYYY hh:mm:ss)
time7	Date and time recorded after Social performance (format DD.MM.YYYY hh:mm:ss)
time8	Date and time recorded after Habits and routines (format DD.MM.YYYY hh:mm:ss)
time9	Date and time recorded after Social context (format DD.MM.YYYY hh:mm:ss)
time10	Date and time recorded after Energy literacy (format DD.MM.YYYY hh:mm:ss)
time11	Date and time recorded after Socio-economics (format DD.MM.YYYY hh:mm:ss)
time_eff	Date and time recorded after EFF (format DD.MM.YYYY hh:mm:ss) (only for group_ce=5)
duration_eff	Duration of EFF (minutes) (only for group_ce=5)

Master data (from Intervista)

These variables are available for respondents who were not screened out (**screen** ≠ 3)

age	<p>Respondent's age (in years, Intervista)</p> <p>Because the evolution of age is not always consistent across waves, one might want to correct age and enforce consistency. This seems particularly important for longitudinal analyses. To this end, variable age_corr has been created as follows:</p> <ol style="list-style-type: none"> 1. For respondents with more than two waves: we check if two observations are consistent and adapt the other observations accordingly (if more than 3 waves, there might be several pairs of consistent observations; in such cases, the most recent pair is considered as being correct) 2. For respondents with two waves only or for respondents with more than two waves but rule 1 does not apply: we consider the most recent observation as being correct and adapt the other observations accordingly
agegr	<p>Age groups, used for quotas (Intervista)</p> <ol style="list-style-type: none"> 1 18-34 (target quota: 30%) 2 35-54 (target quota: 40%) 3 55+ (target quota: 30%) <p>Variable agegr_corr (based on age_corr; see above) is also provided.</p>
sex	<p>Sex, used for quotas (Intervista)</p> <ol style="list-style-type: none"> 0 Male (target quota: 49%) 1 Female (target quota: 51%)
zip	<p>ZIP code at home (Intervista)</p>
region	<p>Region, used for quotas (Intervista)</p> <ol style="list-style-type: none"> 1 Suisse romande (target quota: 25%) 2 Alpen und Voralpen 3 Westmittelland 4 Ostmittelland <p>} (target quota: 75%)</p>
flat_rented	<p>Living situation: flat rented (Intervista)</p> <ol style="list-style-type: none"> 0 no 1 yes
house_rented	<p>Living situation: house rented (Intervista)</p> <ol style="list-style-type: none"> 0 no 1 yes
flat_owned	<p>Living situation: flat owned (Intervista)</p> <ol style="list-style-type: none"> 0 no 1 yes
house_owned	<p>Living situation: house owned (Intervista)</p> <ol style="list-style-type: none"> 0 no 1 yes
residtype	<p>Living situation, used for quotas (Intervista)</p> <ol style="list-style-type: none"> 1 Tenant (target quota: 62.5%) 2 Owner (target quota: 37.5%) <p>Variable constructed as follows: 1 if flat_owned = 0 and house_owned = 0, 2 if flat_owned = 1 or house_owned = 1.</p>
duration	<p>Duration of questionnaire (in minutes, Intervista)</p>

md_bildung	Education (Intervista) <ol style="list-style-type: none"> 1 Less than compulsory school 2 Compulsory school 3 Domestic school 4 Basic vocational school 5 Vocational/general school 6 Apprenticeship 7 Full-time vocational school 8 High school 9 University, ETH, university of applied sciences
md_beruf	Occupation status (Intervista) <ol style="list-style-type: none"> 1 School student 2 Student 3 Apprentice 4 Homemaker 5 Employee 6 Self-employed 7 Entrepreneur 8 Farmer 9 Retired 10 Unemployed 11 Other

md_branche	Sector (Intervista) <ul style="list-style-type: none"> 1 Elektrotechnik, Elektronik, Uhren 2 Bank, Finanzen 3 Baugewerbe, Architektur 4 Chemie, Pharma 5 Consulting, persönliche Dienstleistungen 6 E-Commerce 7 Einzelhandel, Grosshandel, Reparaturen 8 Energiewirtschaft, Versorgung 9 Lebensmittelherstellung/-verarbeitung, Tabak 10 Erziehung, Bildung, Unterricht 11 Gastronomie, Hotellerie, Tourismus 12 Gemeinnützige Unternehmen, Sozialwesen, Kirche 13 Gesundheitswesen / Medizin 14 Sport 15 Immobilienwirtschaft 16 IT / Informatik 17 Kultur (Kunst, Literatur, Theater, Musik, Kino) 18 Landwirtschaft, Gartenbau, Forstwirtschaft, Fischerei 19 Markt- und Meinungsforschung 20 Ingenieurwesen, Metallverarbeitung, Maschinenbau, Fahrzeugbau 21 Medien, Verlag 22 Militär 23 Öffentliche Verwaltung 24 Papier, Druck 25 Rechtswesen / Justiz 26 Personenverkehr, Mobilität 27 Sicherheit 28 Telekommunikation 29 Textil, Bekleidung, Leder 30 Logistik, Post, Gütertransport 31 Versicherungen 32 Werbung, Graphik, Kommunikation, Marketing, PR 33 Wissenschaft 34 Andere Branche
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md_standort	Unternehmensstandort (Intervista) 1 ZH 2 BE 3 LU 4 UR 5 SZ 6 OW 7 NW 8 GL 9 ZG 10 FR 11 SO 12 BS 13 BL 14 SH 15 AR 16 AI 17 SG 18 GR 19 AR 20 TG 21 TI 22 VD 23 VS 24 NE 25 GE 26 JU 27 Liechtenstein 28 Abroad
md_zivil	Civil status (Intervista) 1 Single 2 Married 3 Divorced 4 Widowed
md_ek	Household gross income per month (Intervista) 1 Less than 3,000 2 3,000-4,500 3 4,501-6,000 4 6,001-9,000 5 9,001-12,000 6 More than 12,000 -1 no answer/does not know
md_schweiz	Nationality: Switzerland (Intervista) 0 no 1 yes
md_italien	Nationality: Italy (Intervista) 0 no 1 yes
md_deutschland	Nationality: Germany (Intervista) 0 no 1 yes
md_spanien	Nationality: Spain (Intervista) 0 no 1 yes

md_portugal	Nationality: Portugal (Intervista) 0 no 1 yes
md_kroatien	Nationality: Croatia (Intervista) 0 no 1 yes
md_serbien	Nationality: Serbia (Intervista) 0 no 1 yes
md_frankreich	Nationality: France (Intervista) 0 no 1 yes
md_tuerkei	Nationality: Turkey (Intervista) 0 no 1 yes
md_oesterreich	Nationality: Austria (Intervista) 0 no 1 yes
md_uk	Nationality: UK (Intervista) 0 no 1 yes
md_usa	Nationality: USA (Intervista) 0 no 1 yes
md_niederlande	Nationality: Netherlands (Intervista) 0 no 1 yes
md_natandere	Nationality: other (Intervista) 0 no 1 yes
md_wohntyp3_alt	Type of living area (Intervista) 1 City 2 Agglomeration 3 Countryside

md_kanton	Canton of residence (Intervista) 1 ZH 2 BE 3 LU 4 UR 5 SZ 6 OW 7 NW 8 GL 9 ZG 10 FR 11 SO 12 BS 13 BL 14 SH 15 AR 16 AI 17 SG 18 GR 19 AR 20 TG 21 TI 22 VD 23 VS 24 NE 25 GE 26 JU 27 Liechtenstein 28 Abroad
md_hhgr	Household size (Intervista)
md_hh_agep1 to md_hh_agep14	Age of additional person 1 to 14 in HH (in years, Intervista)
md_204	Abo-Besitz: GA 1. Klasse (Intervista)
md_205	Abo-Besitz: GA 2. Klasse (Intervista)
md_205a	Abo-Besitz: GA FVP (Intervista)
md_206	Abo-Besitz: 1/2-Tax-Abonnement (Intervista)
md_207	Abo-Besitz: Gleis 7 (Intervista)
md_208	Abo-Besitz: Streckenabonnement (Intervista)
md_209	Abo-Besitz: Verbundabonnement (Intervista)
md_210	Abo-Besitz: Inter-Abonnement (Intervista)
md_211	Abo-Besitz: Sonstiges (Intervista)
md_211txt	Abo-Besitz: Sonstiges (Textfeld) (Intervista)
md_212	Abo-Besitz: Keines (Intervista)
md_213	Train ticket (Intervista)
md_214	Train usage (Intervista)
md_220	Number of cars in household (Intervista)
md_230	Alfa Romeo (Intervista)
md_231	Audi (Intervista)
md_232	BMW (Intervista)
md_233	Chevrolet (Intervista)

md_234	Chrysler (Intervista)
md_235	Citroën (Intervista)
md_236	Dacia (Intervista)
md_237	Daihatsu (Intervista)
md_239	Dodge (Intervista)
md_240	Fiat (Intervista)
md_241	Ford (Intervista)
md_242	Honda (Intervista)
md_243	Hyundai (Intervista)
md_244	Jaguar (Intervista)
md_245	Jeep (Intervista)
md_246	Kia Motors (Intervista)
md_247	Lancia (Intervista)
md_248	Land Rover (Intervista)
md_249	Lexus (Intervista)
md_250	Mazda (Intervista)
md_251	Mercedes-Benz (Intervista)
md_252	Mini (Intervista)
md_253	Mitsubishi (Intervista)
md_254	Nissan (Intervista)
md_255	Opel (Intervista)
md_260	Peugeot (Intervista)
md_261	Porsche (Intervista)
md_262	Range Rover (Intervista)
md_263	Renault (Intervista)
md_264	Saab (Intervista)
md_265	Seat (Intervista)
md_291	Plane trips: last 12 months (Intervista)
md_292	Plane trips: Business Class/First Class (Intervista)
md_301	MF Postpaid: OrangeSalt (Intervista)
md_302	MF Postpaid: Sunrise (Intervista)
md_303	MF Postpaid: Swisscom (Intervista)
md_304	MF Postpaid: Tele 2 (Intervista)
md_305	MF Postpaid: Cablecom (Intervista)
md_306	MF Postpaid: Mobilezone net (Intervista)
md_307	MF Postpaid: Quickline (Intervista)
md_308	MF Postpaid: Migros Mobile (Intervista)
md_312	MF Postpaid: Anderer Anbieter (Intervista)
md_312txt	MF Postpaid: Anderer Anbieter (Textfeld) (Intervista)
md_315	MF Prepaid: Swisscom (Intervista)
md_316	MF Prepaid: Sunrise (Intervista)
md_317	MF Prepaid: Orange/Salt (Intervista)
md_318	MF Prepaid: M-Budget Mobile (Intervista)
md_319	MF Prepaid: Lycamobile (Intervista)
md_320	MF Prepaid: Lebara Mobile (Intervista)

md_321	MF Prepaid: Coop Mobile (Intervista)
md_322	MF Prepaid: Cablecom (Intervista)
md_323	MF Prepaid: Talk Talk Mobile (Intervista)
md_324	MF Prepaid: Tele 2 (Intervista)
md_325	MF Prepaid: yallo (Intervista)
md_326	MF Prepaid: Mobilezone net (Intervista)
md_327	MF Prepaid: Salut! Mobile (Aldi) (Intervista)
md_335	MF Prepaid: Anderer Anbieter (Textfeld) (Intervista)
md_335txt	MF Prepaid: Anderer Anbieter (Intervista)
md_336	kein Mobiltelefon (Intervista)
md_350	FX: Swisscom (Intervista)
md_351	FX: Sunrise (Intervista)
md_352	FX: Cablecom (Intervista)
md_353	FX: Econophone (Intervista)
md_354	FX: Tele 2 (Intervista)
md_355	FX: Quickline (Intervista)
md_360	FX: Anderer Anbieter (Intervista)
md_360txt	FX: Anderer Anbieter (Textfeld) (Intervista)
md_361	FX: Anschlussart (Intervista)
md_371	Nutzung Tablet (Intervista)
md_372	Nutzung Smartphone (Intervista)
md_373	Nutzung normales Handy (Intervista)
md_380	Number of TV(s) in household (Intervista)
md_381	TV: Cablecom (Intervista)
md_382	TV: Swisscom TV (Intervista)
md_383	TV: Regionaler/lokaler Kabelnetzanbieter (Intervista)
md_383a	TV: Details lokaler/regionaler TV-Kabelanbieter (Intervista)
md_384	TV: Satellitenempfänger (Intervista)
md_385	TV: Sunrise TV (Intervista)
md_390	TV: Sonstiger (Intervista)
md_390txt	TV: Sonstiger (Textfeld) (Intervista)
md_401	Internetanschluss (Intervista)
md_402	Internetzugang: Anschlussart (Intervista)
md_402txt	Internetzugang: Anschlussart - Sonstiges (Textfeld) (Intervista)
md_403	Internetanbieter (Intervista)
md_403txt	Internetanbieter: Anderer (Textfeld) (Intervista)
md_410	Internet usage (Intervista)
md_411	Internetnutzungsart: Kauf von Produkten (Intervista)
md_412	Internetnutzungsart: Online-Banking (Intervista)
md_413	Internetnutzungsart: Online-Auktionen (Intervista)
md_414	Internetnutzungsart: Soziale Netzwerke (Intervista)
md_415	Internetnutzungsart: Kommunikation (Intervista)
md_416	Internetnutzungsart: VPN (Intervista)
md_417	Internetnutzungsart: TV/Video (Intervista)
md_419	Internetnutzungsart: Upload (Intervista)

md_420	Internetnutzungsart: Recherche (Intervista)
md_421	Internetnutzungsart: Information (Intervista)
md_500	Zeitung: 20 Minuten / 20 minutes (Intervista)
md_501	Zeitung: Blick (Intervista)
md_502	Zeitung: Tages-Anzeiger (Intervista)
md_503	Zeitung: Mittelland Zeitung (Intervista)
md_504	Zeitung: Berner Zeitung (Intervista)
md_505	Zeitung: Blick am Abend (Intervista)
md_506	Zeitung: Neue Zürcher Zeitung (Intervista)
md_507	Zeitung: Aargauer Zeitung (Intervista)
md_508	Zeitung: Die Südostschweiz (Intervista)
md_515	Zeitung: Le Matin (Intervista)
md_516	Zeitung: 24 heures (Intervista)
md_517	Zeitung: La Liberté (Intervista)
md_518	Zeitung: Le Temps (Intervista)
md_519	Zeitung: Le Nouvelliste (Intervista)
md_520	Zeitung: Tribune de Genève (Intervista)
md_530	Zeitung: Il caffè della domenica (Intervista)
md_531	Zeitung: Corriere del Ticino (Intervista)
md_532	Zeitung: laRegion Ticino (Intervista)
md_533	Zeitung: Il Mattino della Domenica (Intervista)
md_534	Zeitung: Rivista di Lugano (Intervista)
md_535	Zeitung: Giornale del Popolo (Intervista)
md_550	TV-Sender: SRF 1 (Intervista)
md_551	TV-Sender: SRF 2 (Intervista)
md_552	TV-Sender: ARD (Intervista)
md_553	TV-Sender: RTL (Intervista)
md_554	TV-Sender: ZDF (Intervista)
md_555	TV-Sender: VOX (Intervista)
md_556	TV-Sender: ProSieben (Intervista)
md_557	TV-Sender: RTL II (Intervista)
md_558	TV-Sender: kabel eins (Intervista)
md_559	TV-Sender: Sat 1 (Intervista)
md_560	TV-Sender: 3+ (Intervista)
md_561	TV-Sender: SRF Info (Intervista)
md_562	TV-Sender: ORF eins (Intervista)
md_563	TV-Sender: ORF 2 (Intervista)
md_564	TV-Sender: SUPER RTL (Intervista)
md_565	TV-Sender: TeleZüri (Intervista)
md_566	TV-Sender: 3sat (Intervista)
md_575	TV-Sender: RTS Un (Intervista)
md_576	TV-Sender: TF1 CH (Intervista)
md_577	TV-Sender: M6 CH (Intervista)
md_578	TV-Sender: RTS Deux (Intervista)
md_579	TV-Sender: France 2 (Intervista)

md_580	TV-Sender: France 3 (Intervista)
md_581	TV-Sender: RTL9 CH (Intervista)
md_582	TV-Sender: Arte (Intervista)
md_583	TV-Sender: W9 CH (Intervista)
md_584	TV-Sender: TV5 Monde (Intervista)
md_585	TV-Sender: Rouge TV (Intervista)
md_590	TV-Sender: Italia 1 (Intervista)
md_591	TV-Sender: Rai2 (Intervista)
md_592	TV-Sender: Rai3 (Intervista)
md_593	TV-Sender: teleticino (Intervista)
md_594	TV-Sender: Videitalia (Intervista)
md_595	TV-Sender: Rai1 (Intervista)
md_596	TV-Sender: Canale 5 (Intervista)
md_597	TV-Sender: RSI LA 2 (Intervista)
md_598	TV-Sender: RSI LA 1 (Intervista)
md_601	Bank: PostFinance / Die Post (Intervista)
md_602	Bank: Credit Suisse (Intervista)
md_603	Bank: UBS (Intervista)
md_604	Bank: Zürcher Kantonalbank (Intervista)
md_605	Bank: Banque Cantonale Vaudoise (Intervista)
md_606	Bank: Andere Kantonalbank (Intervista)
md_607	Bank: Raiffeisenbank (Intervista)
md_608	Bank: Valiant (Intervista)
md_609	Bank: Migros Bank (Intervista)
md_610	Bank: Bank Coop (Intervista)
md_611	Bank: Regionalbank (Intervista)
md_615	Bank: Andere Bank(en) (Intervista)
md_630	Insurance: Accident (Intervista)
md_631	Insurance: Auto (Intervista)
md_632	Insurance: Legal expenses (Intervista)
md_633	Insurance: Household (Intervista)
md_634	Insurance: Personal liability (Intervista)
md_635	Insurance: Building (Intervista)
md_637	Insurance: Life (Intervista)
md_638	Insurance: Disability (Intervista)
md_639	Insurance: 3a pillar (private pensions) (Intervista)
md_640	Insurance: Pet (Intervista)
md_650	Versicherungsanbieter: Zurich (Intervista)
md_651	Versicherungsanbieter: Swiss Life (Intervista)
md_652	Versicherungsanbieter: AXA Winterthur (Intervista)
md_653	Versicherungsanbieter: Basler Versicherungen / Bâloise (Intervista)
md_654	Versicherungsanbieter: Helvetia (Intervista)
md_655	Versicherungsanbieter: Allianz Suisse (Intervista)
md_656	Versicherungsanbieter: Die Mobiliar (Intervista)
md_657	Versicherungsanbieter: Generali (Intervista)

md_658	Versicherungsanbieter: Groupe Mutuel (Intervista)
md_659	Versicherungsanbieter: Vaudoise (Intervista)
md_663	Versicherungsanbieter: Nationale Suisse (Intervista)
md_680	Krankenversicherung (Grundversicherung) (Intervista)
md_700	Electricity bill in CHF/year (Intervista)
md_701	Eigene Photovoltaik-Anlage im HH (Intervista)
md_702	Eigene Wärmepumpe im HH (Intervista)
md_703	Elektroboiler im HH (Intervista)
md_704	Elektroheizung im HH (Intervista)
md_705	Ölheizung im HH (Intervista)
md_706	Gasheizung im HH (Intervista)
md_707	E-Bike im HH (Intervista)
md_708	Elektroauto im HH (Intervista)
md_709	Ökostrom - Nutzung letzte 12 Monate (Intervista)
md_710	Energieeffizienzberatung - Nutzung letzte 12 Monate (Intervista)
md_712	Energiesparportal - Nutzung letzte 12 Monate (Intervista)
md_870	Inaktiv: Freizeit: klassische Konzerte, Opern (Intervista)
md_871	Inaktiv: Freizeit: Kino (Intervista)
md_872	Inaktiv: Freizeit: Sportveranstaltungen (Intervista)
md_873	Inaktiv: Freizeit: Discos, Clubs (Intervista)
md_874	Inaktiv: Freizeit: Bars, Kneipen, Cafés (Intervista)
md_875	Inaktiv: Freizeit: Shopping, Schaufensterbummel (Intervista)
md_876	Inaktiv: Freizeit: Theater, Museen, Galerien (Intervista)
md_877	Inaktiv: Freizeit: Besuch von Pop-, Rockkonzerten (Intervista)
md_830	Inaktiv: Sport: Badminton (Intervista)
md_801	Inaktiv: Sport: Basketball, Streetball (Intervista)
md_802	Inaktiv: Sport: Eishockey (Intervista)
md_803	Inaktiv: Sport: Eislaufen (Intervista)
md_804	Inaktiv: Sport: Fitnesstraining (Intervista)
md_805	Inaktiv: Sport: Fussball (Intervista)
md_832	Inaktiv: Sport: Golf (Intervista)
md_806	Inaktiv: Sport: Handball (Intervista)
md_807	Inaktiv: Sport: Inline-Skating (Intervista)
md_808	Inaktiv: Sport: Jogging (Intervista)
md_809	Inaktiv: Sport: Kampfsportarten (Intervista)
md_810	Inaktiv: Sport: Kanu, Kajak (Intervista)
md_811	Inaktiv: Sport: Kegeln, Bowling (Intervista)
md_812	Inaktiv: Sport: Klettern, Bergsteigen (Intervista)
md_813	Inaktiv: Sport: Krafttraining, Bodybuilding (Intervista)
md_814	Inaktiv: Sport: Leichtathletik (Intervista)
md_831	Inaktiv: Sport: Radfahren, Mountainbike (Intervista)
md_833	Inaktiv: Sport: Reiten (Intervista)
md_815	Inaktiv: Sport: Rudern (Intervista)
md_816	Inaktiv: Sport: Schiessen (Intervista)
md_817	Inaktiv: Sport: Schneesport (Intervista)

md_818	Inaktiv: Sport: Schwimmen (Intervista)
md_819	Inaktiv: Sport: Segeln (Intervista)
md_820	Inaktiv: Sport: Squash (Intervista)
md_821	Inaktiv: Sport: Tanzen (Intervista)
md_822	Inaktiv: Sport: Tauchen (Intervista)
md_823	Inaktiv: Sport: Tennis (Intervista)
md_824	Inaktiv: Sport: Turnen, Gymnastik (Intervista)
md_825	Inaktiv: Sport: Unihockey, Feldhockey, Rollhockey (Intervista)
md_827	Inaktiv: Sport: Wandern, Walking, Bergwandern (Intervista)
md_828	Inaktiv: Sport: Windsurfen, Surfen, Kitesurfen (Intervista)
md_829	Inaktiv: Sport: Yoga, Tai Chi, Qi Gong o.ä. (Intervista)
md_826	Inaktiv: Sport: Volleyball, Beachvolleyball (Intervista)
md_850	Inaktiv: Hobby: Basteln, Heimwerken (Intervista)
md_851	Inaktiv: Hobby: Fotografieren, Videos aufnehmen (Intervista)
md_852	Inaktiv: Hobby: Handarbeiten (Intervista)
md_853	Inaktiv: Hobby: Karten- / Brettspiele (Intervista)
md_854	Inaktiv: Hobby: Kochen (Intervista)
md_855	Inaktiv: Hobby: Kosmetik/Styling (Intervista)
md_856	Inaktiv: Hobby: Musizieren (Intervista)
md_857	Inaktiv: Hobby: Pflanzen, Gartenarbeit (Intervista)
md_858	Inaktiv: Hobby: Spaziergehen, Wandern, Ausflüge (Intervista)
md_859	Inaktiv: Hobby: Spiele mit Computer, Playstation, Smartphone. (Intervista)
md_860	Inaktiv: Hobby: Vereinsarbeit (Intervista)
md_861	Inaktiv: Hobby: Zeichnen, Malen (Intervista)
md_880	Parteipräferenz (Intervista)
md_901	Unternehmensgrösse (Intervista)
md_902	Verantwortlichkeit: Marketing (Intervista)
md_903	Verantwortlichkeit: IT (Intervista)
md_904	Verantwortlichkeit Versicherungen (Intervista)
md_905	Verantwortlichkeit: Personal (Intervista)
md_906	Verantwortlichkeit: Finanzen (Intervista)
md_907	Verantwortlichkeit techn. Leitung (Intervista)
md_908	Verantwortlichkeit: Vertrieb/ Sales (Intervista)
md_909	Verantwortlichkeit: Telekommunikation (Intervista)
md_910	Verantwortlichkeit: Logistik/ Post (Intervista)
md_920	Inhaber (Intervista)
md_921	Mitglied des Verwaltungsrats (Intervista)
md_922	Mitglied der Geschäftsleitung (Intervista)
md_923	Oberes Management (Intervista)
md_924	Mittleres Management (Intervista)
md_925	Abteilungs-/Teamleitung (Intervista)

Introduction

Intro

Only displayed to “fresh” respondents (**old = 0**).

Welcome to the SCCER-CREST questionnaire.

The complete questionnaire should take about 30 minutes. It is possible to quit the survey and resume later. All your answers will be treated anonymously and confidentially. They will only be used for scientific analyses by academic researchers.

It is possible that you already participated in a similar survey over the last couple of years. Some questions are intentionally repeated. However, please answer all the questions as accurately and truthfully as possible, thinking about your current situation.

Your participation is highly appreciated.

intro_old

Only displayed to “old” respondents (**old = 1**).

Welcome to the SCCER-CREST questionnaire.

The complete questionnaire should take about 30 minutes. It is possible to quit the survey and resume later. All your answers will be treated anonymously and confidentially. They will only be used for scientific analyses by academic researchers.

You have already participated in a similar survey last year. Some questions are intentionally repeated. However, please answer all the questions as accurately and truthfully as possible, thinking about your current situation.

Your participation is highly appreciated.

screen

Only displayed to “fresh” respondents (**old = 0**).

Are you the responsible person in your household?

For example: you take care of expenses, and/or invoices, ...

- Yes, I am the only responsible person. (1)
- Yes, I am partly responsible. (2)
- No, I am not the responsible person, even partially. (3) → end of survey

Accommodation (accom_change to accom15)

accom_change

Only displayed to “old” respondents (**old = 1**).

Within the last 12 months, has your living situation changed, i.e., have you moved or bought the accommodation you live in?

- Yes (1)
- No (0)

accom1

Regarding your accommodation, you are...

- Owner (1)
- Tenant (2)
- Living in a cooperative (3)

accom2a

What type is your accommodation?

- Flat in a building with less than 5 flats (2)
- Flat in a building with 5 to 10 flats (3)
- Flat in a building with more than 10 flats (4)
- Detached house (5) **New item in SHEDS 2017**
- Semi-detached house (6) **New item in SHEDS 2017**
- Terraced house (7) **New item in SHEDS 2017**

accom2b

Only displayed if the respondent indicated living in a flat in **accom2a**.

How many floors are there in your building? (Only integers, no decimals)

_____ **accepted range: 1-40 (no decimals).**

accom2c

Only displayed if the respondent indicated living in a house in **accom2a**.

How many floors are there in your house? (Only integers, no decimals)

_____ **accepted range: 1-9 (no decimals).**

accom2d

Only displayed if the respondent indicated living in a house in **accom2a**.

Does your house have a flat or a gable roof?

- Flat roof (1)
- Gable roof (2)

accom3

Only displayed to “fresh” respondents (**old = 0**) or if the respondent ticked “Yes” in **accom_change**.

Since when do you live in your current accommodation?

- yyyy (year if ≥ 1970)
- Before 1970 (1969)
- I do not know (-1)

accom4a1

Can you please tell us the year of construction of your building?

(This value cannot be larger than the indicated year of entry in the accommodation.)

- Year of construction: _____ (yyyy) **accepted range: 1600-2017.**
- I do not know (-1)

accom4a2

Only displayed if the respondent ticked "I do not know" in **accom4a1**.

You said, you were not sure in which year your accommodation was constructed. Can you tell us an approximate time period?

- 2010 or later (1)
- 2005-2009 (2)
- 2000-2004 (3)
- 1995-1999 (4)
- 1990-1994 (5)
- 1985-1989 (6)
- 1980-1984 (7)
- 1975-1979 (8)
- 1970-1974 (9)
- 1965-1969 (10)
- 1960-1964 (11)
- Before 1960 (12)
- I do not know (-1)

accom5

What is the size of the living area in your accommodation?

m²: _____ **accepted range: 0-999 (at most 3 digits, no decimals).**

accom6

Your accommodation contains...

	0 (0)	1 (1)	2 (2)	3 (3)	4 (4)	5 or more (5)
Rooms (including kitchen) [_1]	<input type="radio"/>					
Bathrooms, toilets [_2]	<input type="radio"/>					
Other spaces (e.g., cellar, garage, winter garden) [_3]	<input type="radio"/>					

accom7

Does your accommodation conform with the Minergie standard or better standards?

- Yes (1)
 No (0)
 I do not know (-1)

accom8

Which of the following devices is your accommodation equipped with?

For each device 0 = no, 1 = yes.

- Photovoltaic solar panels (to produce electricity) [_1]
 Solar thermal panels (to produce hot water) [_2]
 Heat pump [_3]
 None [_4]
 I do not know [_5]

accom9a1

When were the following elements refurbished or renovated for the last time?

If provided, years have to be greater or equal to the stated year of construction.

If you experience problems in answering this question, detailed information is available [here \(in German\)](#) and [here \(in French\)](#). Should the problems persist, please send us a screenshot by e-mail.

accepted range: year of construction (if provided in **accom4a1** or **accom4a2**) – 2017.

	Year (yyyy)	No renovation took place since the construction (-4)	A renovation took place but I do not know when (-3)	I do not know (-1)
Windows [_1]		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heating system [_2]		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Façade [_3]		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roof [_4]		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Basement [_5] Only displayed to owners (accom1 = 1)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kitchen [_6] Only displayed to owners (accom1 = 1)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extension (please specify): [_7] Only displayed to owners (accom1 = 1; text in accom9a1_7_extension)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): [_8] (text in accom9a1_8_other)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

accom9a2

Only displayed if the respondent ticked at least one element in the column "A renovation took place but I do not know when" in **accom9a1**.

You said, you were not sure in which year exactly the following renovations have taken place. Can you tell us an approximate time period? If provided, years have to be greater or equal to the stated year of construction.

Only elements for which the respondent indicated "A renovation took place but I do not know when" in **accom9a1** are displayed.

	2010 or later (1)	2005-2009 (2)	2000-2004 (3)	1995-1999 (4)	1990-1994 (5)	1985-1989 (6)	1980-1984 (7)	1975-1979 (8)	1970-1974 (9)	1965-1969 (10)	1960-1964 (11)	Before 1960 (12)	I do not know (-1)
Windows [_1]	<input type="radio"/>												
Heating system [_2]	<input type="radio"/>												
Façade [_3]	<input type="radio"/>												
Roof [_4]	<input type="radio"/>												
Basement [_5]	<input type="radio"/>												
Kitchen [_6]	<input type="radio"/>												
Extension [_7]	<input type="radio"/>												
Other [_8]	<input type="radio"/>												

accom9b

Only displayed if the respondent indicated being owner in **accom1** and if "no renovation took place since the construction" has been indicated for all elements (optionally for extension and other) in **accom9a1**.

You said, no renovation took place in your accommodation since it was constructed. Do you plan anything related to the following elements for the next 2-3 years?

	Yes (1)	No (0)
Windows [_1]	<input type="radio"/>	<input type="radio"/>
Heating system [_2]	<input type="radio"/>	<input type="radio"/>
Façade [_3]	<input type="radio"/>	<input type="radio"/>
Roof [_4]	<input type="radio"/>	<input type="radio"/>
Basement [_5]	<input type="radio"/>	<input type="radio"/>
Kitchen [_6]	<input type="radio"/>	<input type="radio"/>
Extension [_7]	<input type="radio"/>	<input type="radio"/>
Other [_8]	<input type="radio"/>	<input type="radio"/>

accom9c1

Only displayed if the respondent indicated a year of renovation for at least one element in **accom9a1** or a range of years for at least one element in **accom9a2**.

You said, that the following renovations were done in your building. Can you tell us how old the replaced/renovated element was at the time of renovation? (Only integers, no decimals) Please click "The last renovation was the only one" if the old equipment dates from the construction of the building.

Only elements for which the respondent indicated a year of renovation in **accom9a1** or a range of years in **accom9a2** are displayed.

Accepted range: 0-99 years (no decimals)

	Age in years (yyyy)	The last renovation was the only one (-3)	I do not know the age of the old equipment when it was replaced (-1)
Windows [_1]		<input type="checkbox"/>	<input type="checkbox"/>
Heating system [_2]		<input type="checkbox"/>	<input type="checkbox"/>
Façade [_3]		<input type="checkbox"/>	<input type="checkbox"/>
Roof [_4]		<input type="checkbox"/>	<input type="checkbox"/>
Basement [_5]		<input type="checkbox"/>	<input type="checkbox"/>
Kitchen [_6]		<input type="checkbox"/>	<input type="checkbox"/>
Extension [_7]		<input type="checkbox"/>	<input type="checkbox"/>
Other [_8]		<input type="checkbox"/>	<input type="checkbox"/>

accom9c2

Only displayed if the respondent ticked at least one item in the column "I do not know the age of the old equipment when it was replaced" in **accom9c1**.

You said, you were not sure how old the replaced equipment was at the last renovation. Can you tell us an approximate age?

Only items for which the respondent ticked "I do not know the age of the old equipment when it was replaced" in **accom9c1** are displayed.

	0-4 years (1)	5-9 years (2)	10-14 years (3)	15-19 years (4)	20-24 years (5)	25-29 years (6)	30-34 years (7)	35-39 years (8)	40-44 years (9)	45-49 years (10)	50 years or older (11)	I do not know (-1)
Windows [_1]	<input type="radio"/>	<input type="radio"/>										
Heating system [_2]	<input type="radio"/>	<input type="radio"/>										
Façade [_3]	<input type="radio"/>	<input type="radio"/>										
Roof [_4]	<input type="radio"/>	<input type="radio"/>										
Basement [_5]	<input type="radio"/>	<input type="radio"/>										
Kitchen [_6]	<input type="radio"/>	<input type="radio"/>										
Extension [_7]	<input type="radio"/>	<input type="radio"/>										
Other [_8]	<input type="radio"/>	<input type="radio"/>										

accom9d

Only displayed if the respondent indicated being an owner in **accom1** and indicated a year of renovation for at least one element in **accom9a1** or a range of years for at least one element in **accom9a2**.

You have reported that the following element(s) were renovated. Can you please tell us the main reason for their last renovation or overhaul? Multiple answers possible.

Only elements for which the respondent indicated a year of renovation in **accom9a1** or a range of years in **accom9a2** are displayed.

	Saving Energy (1)	Reducing energy costs (2)	Rise in CO2 tax (3)	Benefitting from subsidies (4)	Improve comfort (5)	Aesthetics (6)	Equipment was outdated (7)	General maintenance (8)	Other (9)
Windows [_1]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heating system [_2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Façade [_3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roof [_4]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Basement [_5]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kitchen [_6]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

accom11

Only displayed to “fresh” respondents (**old** = 0) or if the respondent ticked “Yes” in **accom_change**.

How close is your home to the following places?

	< 0.5 km (1)	0.5 - 1 km (2)	1 - 2 km (3)	> 2 km (4)	I do not know (-1)
Grocery store [_1]	<input type="radio"/>				
Public transport stop [_2]	<input type="radio"/>				
Post office [_3]	<input type="radio"/>				
Daycare [_4]	<input type="radio"/>				
Kindergarten [_5]	<input type="radio"/>				
School [_6]	<input type="radio"/>				
Playground [_7]	<input type="radio"/>				
Sports field [_8]	<input type="radio"/>				

accom12

Only displayed to “fresh” respondents (**old = 0**) or if the respondent ticked “Yes” in **accom_change**.

How do you usually go to the following places?

	Car (1)	Public transportation (2)	Motorcycle (3)	Bike/foot (4)	I never go to such a place (5)
Grocery store [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public transport stop [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Post office [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Daycare [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kindergarten [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
School [_6]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Playground [_7]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sports field [_8]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

accom13

Do you have a second house or flat (owned or rented)?

	Yes (1)	No (0)
For work [_1]	<input type="radio"/>	<input type="radio"/>
For holidays [_2]	<input type="radio"/>	<input type="radio"/>

accom14

Only displayed is the respondent ticked "Yes" in **accom13_1**.

On average, for how many days per week do you use your second (work) residence?

Days per week: _____ accepted range: 0-7 (1 decimal)

accom15

Only displayed is the respondent ticked "Yes" in **accom13_2**.

On average, for how many weeks per year do you use your second (holiday) residence?

Weeks per year: _____ accepted range: 0-52 (1 decimal)

Heating (heat1 to heat10)

heat1

What energy source do you primarily rely on for ...?

	Oil (1)	Gas (2)	Electricity (3)	Wood (4)	Heat pump (5)	Solar (6)	District heating (7)	Other (8)	I do not know (-1)
heating [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>						
warm water [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>						
cooking [_3]: dropped									

heat2a

In addition to the main system, do you have a secondary system in your residence?

Examples:

- For heating: an electric storage heater or a small gas boiler in the kitchen or bathroom.
- For warm water: an electric or gas boiler in the kitchen or bathroom.

	Do you have a secondary system for ... ? [1]			If yes, what energy source does it use? [2]								
	Yes (1)	No (0)	I do not know (-1)	Oil (1)	Gas (2)	Electricity (3)	Wood (4)	Heat pump (5)	Solar (6)	District heating (7)	Other (8)	I do not know (-1)
heating [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
warm water [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Variable names: stub (**heat2a**) + column number (**1** or **2**) + row number (**_1** or **_2**).

heat4

Is your bill for heating and warm water based on your actual consumption or on the size of your residence?

- Based on actual consumption (1)
- Based on size of residence (2)
- A combination of size and actual consumption (3)
- Other (specify): (4) _____ (text in **heat4_other**)
- I do not know (-1)

heat5a

How much do you pay for heating and warm water during a one year period?

It is extremely important for us to have accurate numbers in this area. Therefore, if possible, please use your last annual heating and warm water bill(s) to answer this question.

	Amount [1]	Source of the amount provided [2]	
	(CHF) Accepted range: 0-9999.99 (at most four digits + two decimals).	Bill (1)	Estimation (2)
Heating + warm water (if not separated on your bill) [_1]	_____	<input type="radio"/>	<input type="radio"/>
Heating (if separated) [_2]	_____	<input type="radio"/>	<input type="radio"/>
Warm water (if separated) [_3]	_____	<input type="radio"/>	<input type="radio"/>

Variable names: stub (**heat5a**) + column number (1 or 2) + row number (_1, _2 or _3).

heat5b

Only displayed if the respondent indicated being an owner in **accom1**, living in a detached, semi-detached, or terraced house in **accom2a** and primarily relying on oil for heating and/or warm water in **heat1**.

How much heating oil did you consume over the last 12 months?

Please give an estimate if possible using your bills.

_____ liters accepted answer: > 0.

heat5c

Only displayed if the respondent indicated being an owner in **accom1**, living in a detached, semi-detached, or terraced house in **accom2a** and primarily relying on gas for heating and/or warm water in **heat1**.

How much natural gas did you consume over the last 12 months?

Please give an estimate if possible using your bills.

_____ m³ accepted answer: > 0.

heat6

Only displayed to "fresh" (**old** = 0) respondents.

Do you...

	Yes (1)	No (0)
...heat all rooms at the same temperature? [_1]	<input type="radio"/>	<input type="radio"/>
...set heating at a different temperature during day and night? [_2]	<input type="radio"/>	<input type="radio"/>
...turn down heating when you are away for some days (vacations, ...)? [_3]	<input type="radio"/>	<input type="radio"/>

heat7

Only displayed to “fresh” (**old** = 0) respondents.

At what average temperature (°C) do you heat your living room during the day?

°C: _____ Answer given using a slider ranging from 18 or less to 23 or more.

heat8

Only displayed to “fresh” (**old** = 0) respondents.

On average, how many showers and baths are taken per week in your household?

Please add up usages for all persons in the household.

Showers: _____ [**_1**] accepted range: 0-99.

Baths: _____ [**_2**] accepted range: 0-99.

heat10

Only displayed to “fresh” (**old** = 0) respondents.

When in need for fresh air in winter, what do you usually do?

- I open a hopper window for a few minutes. (1)
- I open a window for a few minutes. (2)
- I open several windows for a few minutes. (3)
- I always leave a hopper window open. (4)
- Other (specify): (5) _____ (text in **heat10_other**)

Owners DCE (ODCE)

Data relative to ODCE are in secondary databases SHEDS2017_ODCE (all variables concerning the choice experiment, reshaped as a panel) and SHEDS2017_ODCEpost (**odce_tX3** (X = a, b, c, d, e) and **odce_post1/2/3/4**).

odce_intro1

In this section of the survey, we will focus on the use of energy to heat and produce warm water for your dwelling, also called central heating system. We will focus on the dwelling you currently own and live in.

We want to understand your perceptions about alternative central heating choices. The information that we collect will be used to inform Swiss energy policy, and it is therefore important that your answers reflect your specific situation and your personal tastes.

In particular, some of the following questions will involve costs to your own household; please give careful consideration to how these costs would affect your financial budget.

odce_intro2

For the next set of questions, please imagine that the current appliance supplying heat to your dwelling has to be replaced. We will consider a set of replacement options, and these options are described by:

- The technology and associated fuel:
 - A boiler that burns either heating oil, natural gas, or wood pellets to warm the house
 - A heat pump that pulls heat from outside to warm the house, using electricity
- The one-off investment cost that has to be paid to install the new appliance, in Swiss Francs (Fr.)
- A standard label grading how efficient the appliance is at converting the energy in its fuel to heat. Energy efficiency is graded from G (very low) to A++ (very high), and the label for grade A looks like this:



odce_intro3

Here is an example of the choice we want you to consider. Each offer (I, II and III) describes an alternative central heating appliance that would fully replace your current one. They differ

in terms of the heating technology, its investment cost, and its energy efficiency, which is represented by the efficiency label.

	Offer I	Offer II	Offer III
Heating technology	Boiler with natural gas	Boiler with wood pellets	Boiler with heating oil
Investment cost	Fr. 10'160	Fr. 17'030	Fr. 13'010
Energy label			

I

II

III

Which offer do you prefer?

Aside from the specific characteristics of the appliances, please assume that they meet your general requirements, perform equally well, and are expected to have the same operating life of 15 years.

When making your choices, please assume that the change of appliance will necessarily take place in 2017. The selected heating appliance would fully replace your current central heating appliance, but the rest of your heating system, such as the radiators, would not need to be changed.

odce_intro4

You will now be asked to make 6 decisions. All decisions have the same format.

In making your choices, please remember that any money spent on your heating will not be available for other expenses by your household. The only right answer is what you would choose in reality.

The respondent is randomly assigned to 1 of the 6 blocks CE1.1 to CE1.6.

ODCE: CE1.1 to CE1.6

odce_ce1_1_1

	Offer I	Offer II	Offer III
Heating technology	Boiler with natural gas	Boiler with heating oil	Boiler with wood pellets
Investment cost	Fr. 13'010	Fr. 17'030	Fr. 30'140
Energy label			

	I (1)	II (2)	III (3)
Which offer do you prefer?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

... (in total 6 blocks of 6 choice tasks)

odce_ce1_6_36

	Offer I	Offer II	Offer III
Heating technology	Boiler with heating oil	Boiler with natural gas	Boiler with wood pellets
Investment cost	Fr. 17'030	Fr. 10'160	Fr. 17'030
Energy label			

	I (1)	II (2)	III (3)
Which offer do you prefer?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The respondent is randomly allocated to 1 of 5 treatments (A, B, C, D, or E). The treatment received is indicated in **odce_trt**.

ODCE: Treatment A

odce_ta1

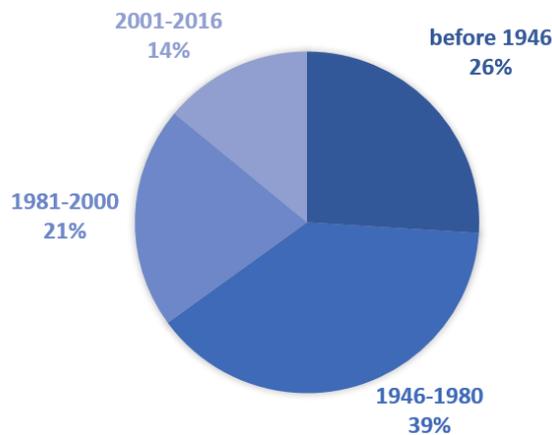
In the next part of the study, you will have the opportunity to learn more about the construction year of residential buildings.

The discussion will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

odce_ta2

Compared to other countries, Switzerland has a relatively old building stock. According to official estimates, two thirds of the dwellings in Switzerland were built before 1980 (65%), and 14% of today's apartments were built within the last 15 years.

AGE OF DWELLINGS IN SWITZERLAND BY CONSTRUCTION PERIOD



Switzerland's settlement and urban areas have grown rapidly in recent years. The reasons for this are fast population growth and increased demands for housing, leisure and mobility. The transformation of the built environment is a reflection of social change.

odce_ta3

How many % of Swiss apartments were built between 2001 and 2016?

To answer this question, you can only enter integers between 0 and 100. Type your answer below:

_____ %

odce_ta3correct

Only displayed if the respondent gave the correct answer (i.e. 14) in **odce_ta3**.

Your answer is correct.

odce_ta3incorrect

Only displayed if the respondent gave a wrong answer (i.e. not 14) in **odce_ta3**.

The correct answer was 14%.

odce_ta4

Now please consider again the possibility that your current primary heating appliance needs replacement, and that the installation will necessarily take place in 2017. You have a choice between three alternative replacement options, such as the ones presented below.

	Offer I	Offer II	Offer III
Heating technology	Boiler with natural gas	Boiler with wood pellets	Boiler with heating oil
Investment cost	Fr. 10'160	Fr. 17'030	Fr. 13'010
Energy label			

I

II

III

Which offer do you prefer?

odce_ta5

In the following 6 questions, please select the replacement option you prefer, keeping in mind that the money spent on heating will not be available for other expenses by your household.

As in the previous questions, the only right answer is what you would choose in reality. It is important that you consider options carefully, as this research will contribute to inform energy policy in Switzerland.

The respondent is randomly assigned to 1 of 6 blocks CE2A.1 to CE2A.6.

ODCE: Treatment B

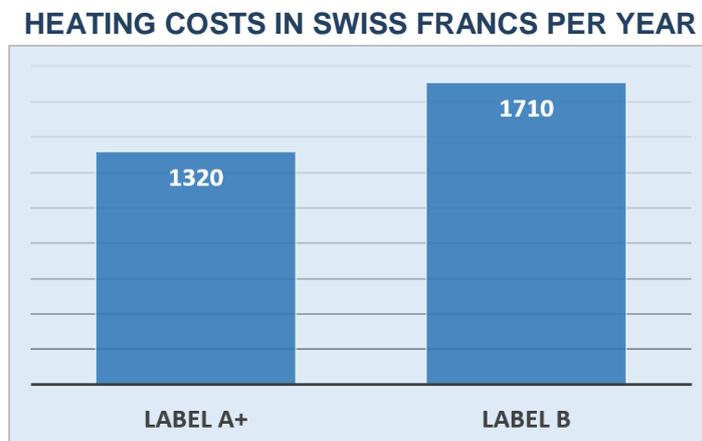
odce_tb1

In the next part of the study, you will have the opportunity to learn more about energy efficiency and heating costs.

The discussion will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

odce_tb2

Choosing an energy efficient heating appliance can lower your household's heating costs significantly: keeping everything else equal, switching from an appliance graded B to one graded A+ would decrease energy use by 25 percent on average. This implies that heating costs for a household who pays Fr. 1'710 per year with an appliance graded B could decline to Fr. 1'320 per year with an A+ appliance.



Therefore, while more energy efficient appliances are typically more expensive to purchase (the investment cost), over a 15-year lifetime the additional cost may be more than compensated by lower heating costs.

odce_tb3

Typically, if heating expenditures with an appliance graded A+ amount to Fr. 1'320 per year, how much would heating costs be with an appliance graded B?

To answer this question, you can only enter integers. Type your answer below:

odce_tb3correct

Only displayed if the respondent gave the correct answer (i.e. 1710) in **odce_tb3**.

Your answer is correct.

odce_tb3incorrect

Only displayed if the respondent gave a wrong answer (i.e. not 1710) in **odce_tb3**.

The correct answer was Fr. 1'710.

odce_tb4

Now please consider again the possibility that your current primary heating appliance needs replacement, and that the installation will necessarily take place in 2017. You have a choice between three alternative replacement options, such as the ones presented below.

	Offer I	Offer II	Offer III
Heating technology	Boiler with natural gas	Boiler with wood pellets	Boiler with heating oil
Investment cost	Fr. 10'160	Fr. 17'030	Fr. 13'010
Energy label			

I

II

III

Which offer do you prefer?

odce_tb5

In the following 6 questions, please select the replacement option you prefer, keeping in mind that the money spent on heating will not be available for other expenses by your household.

As in the previous questions, the only right answer is what you would choose in reality. It is important that you consider options carefully, as this research will contribute to inform energy policy in Switzerland.

The respondent is randomly assigned to 1 of 6 blocks CE2A.1 to CE2A.6.

ODCE: Treatment C

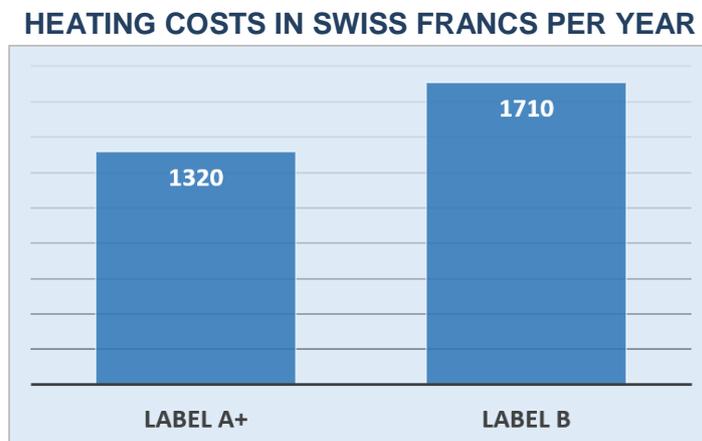
odce_tc1

In the next part of the study, you will have the opportunity to learn more about energy efficiency and heating costs.

The discussion will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

odce_tc2

Choosing an energy efficient heating appliance can lower your household's heating costs significantly: keeping everything else equal, switching from an appliance graded B to one graded A+ would decrease energy use by 25 percent on average. This implies that heating costs for a household who pays Fr. 1'710 per year with an appliance graded B could decline to Fr. 1'320 per year with an A+ appliance.



Therefore, while more energy efficient appliances are typically more expensive to purchase (the investment cost), over a 15-year lifetime the additional cost may be more than compensated by lower heating costs.

odce_tc3

Typically, if heating expenditures with an appliance graded A+ amount to Fr. 1'320 per year, how much would heating costs be with an appliance graded B?

To answer this question, you can only enter integers. Type your answer below:

odce_tc3correct

Only displayed if the respondent gave the correct answer (i.e. 1710) in **odce_tc3**.

Your answer is correct.

odce_tc3incorrect

Only displayed if the respondent gave a wrong answer (i.e. not 1710) in **odce_tc3**.

The correct answer was Fr. 1'710.

odce_tc4

Now please consider again the possibility that your current primary heating appliance needs replacement, and that the installation will necessarily take place in 2017. You have a choice between three alternative replacement options, such as the ones presented below. In addition, we now report an average total heating and warm water cost that you would have to pay. It is represented by the last row titled "yearly heating costs".

	Offer I	Offer II	Offer III
Heating technology	Boiler with natural gas	Boiler with wood pellets	Boiler with heating oil
Investment cost	Fr. 10'160	Fr. 17'030	Fr. 13'010
Energy label			
Annual heating costs	Fr. 1'710	Fr. 1'320	Fr. 1'530

I

II

III

Which offer do you prefer?

odce_tc5

In the following 6 questions, please select the replacement option you prefer, keeping in mind that the money spent on heating will not be available for other expenses by your household.

As in the previous questions, the only right answer is what you would choose in reality. It is important that you consider options carefully, as this research will contribute to inform energy policy in Switzerland.

The respondent is randomly assigned to 1 of 6 blocks CE2C.1 to CE2C.6.

ODCE: Treatment D

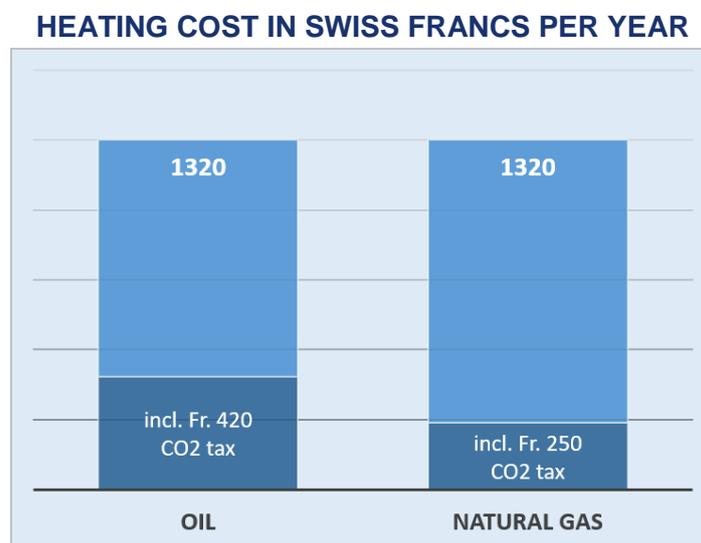
odce_td1

In the next part of the study, you will have the opportunity to learn more about the CO₂ tax on heating oil and natural gas.

The discussion will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

odce_td2

Switzerland participates in international efforts to reduce the risk of climate change, and the government has passed laws that require a reduction in CO₂ emissions of 20 percent from 1990 to 2020. Fossil fuels are important contributors to CO₂ emissions and, since 2008, in Switzerland heating oil and natural gas are taxed in proportion to the CO₂ emitted when they are used in heating systems.



This CO₂ tax has increased from Fr. 12 per ton of CO₂ emitted in 2008 to Fr. 84 per ton of CO₂ in 2016. At the current rate, this corresponds to a tax on heating oil of around Fr. 420 for an annual heating bill of Fr. 1'320, while the tax on natural gas amounts to Fr. 250 for an annual heating bill of Fr. 1'320. For other fuels, including wood and electricity, the CO₂ tax is nil.

odce_td3

If your heating system is operating on heating oil and your annual heating bill amounts to Fr. 1'320, how high is the associated CO₂ tax payment?

To answer this question, you can only enter integers. Type your answer below:

odce_td3correct

Only displayed if the respondent gave the correct answer (i.e. 420) in **odce_td3**.

Your answer is correct.

odce_td3incorrect

Only displayed if the respondent gave a wrong answer (i.e. not 420) in **odce_td3**.
The correct answer was Fr. 420.

odce_td4

Now please consider again the possibility that your current primary heating appliance needs replacement, and that the installation will necessarily take place in 2017. You have a choice between three alternative replacement options, such as the ones presented below.

	Offer I	Offer II	Offer III
Heating technology	Boiler with natural gas	Boiler with wood pellets	Boiler with heating oil
Investment cost	Fr. 10'160	Fr. 17'030	Fr. 13'010
Energy label			

I

II

III

Which offer do you prefer?

odce_td5

In the following 6 questions, please select the replacement option you prefer, keeping in mind that the money spent on heating will not be available for other expenses by your household.

As in the previous questions, the only right answer is what you would choose in reality. It is important that you consider options carefully, as this research will contribute to inform energy policy in Switzerland.

The respondent is randomly assigned to 1 of 6 blocks CE2A.1 to CE2A.6.

ODCE: Treatment E

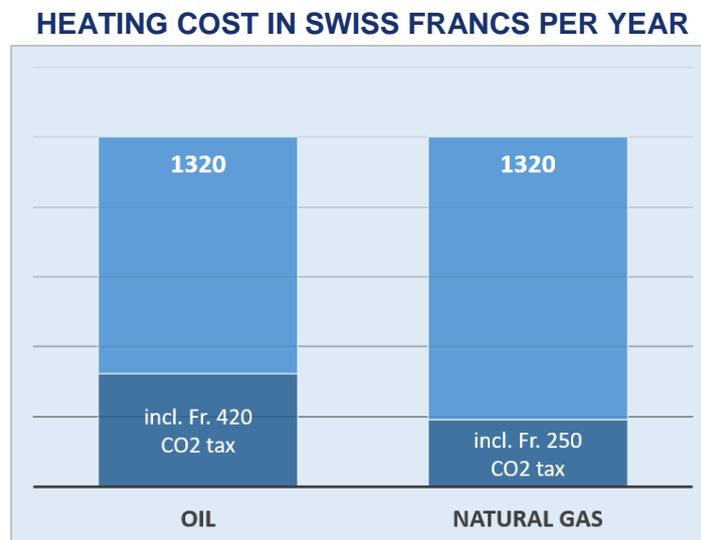
odce_te1

In the next part of the study, you will have the opportunity to learn more about the CO2 tax on heating oil and natural gas.

The discussion will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

odce_te2

Switzerland participates in international efforts to reduce the risk of climate change, and the government has passed laws that require a reduction in CO2 emissions of 20 percent from 1990 to 2020. Fossil fuels are important contributors to CO2 emissions and, since 2008, in Switzerland heating oil and natural gas are taxed in proportion to the CO2 emitted when they are used in heating systems.



This CO2 tax has increased from Fr. 12 per ton of CO2 emitted in 2008 to Fr. 84 per ton of CO2 in 2016. At the current rate, this corresponds to a tax on heating oil of around Fr. 420 for an annual heating bill of Fr. 1'320, while the tax on natural gas amounts to Fr. 250 for an annual heating bill of Fr. 1'320. For other fuels, including wood and electricity, the CO2 tax is nil.

odce_te3

If your heating system is operating on heating oil and your annual heating bill amounts to Fr. 1'320, how high is the associated CO2 tax payment?

To answer this question, you can only enter integers. Type your answer below:

odce_te3correct

Only displayed if the respondent gave the correct answer (i.e. 420) in **odce_te3**.

Your answer is correct.

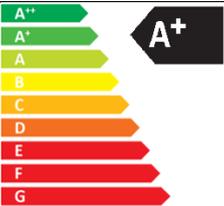
odce_te3incorrect

Only displayed if the respondent gave a wrong answer (i.e. not 420) in **odce_te3**.

The correct answer was Fr. 420.

odce_te4

Now please consider again the possibility that your current primary heating appliance needs replacement, and that the installation will necessarily take place in 2017. You have a choice between three alternative replacement options, such as the ones presented below. In addition, we now report an average total heating and warm water cost that you would have to pay, which includes the amount of CO₂ tax paid per year. It is represented by the last row titled "yearly heating costs".

	Offer I	Offer II	Offer III
Heating technology	Boiler with natural gas	Boiler with wood pellets	Boiler with heating oil
Investment cost	Fr. 10'160	Fr. 17'030	Fr. 13'010
Energy label			
Annual heating costs	Fr. 1'710 (incl. Fr. 320 CO ₂ tax)	Fr. 1'320 (no CO ₂ tax)	Fr. 1'530 (incl. Fr. 490 CO ₂ tax)

I

II

III

Which offer do you prefer?

odce_te5

In the following 6 questions, please select the replacement option you prefer, keeping in mind that the money spent on heating will not be available for other expenses by your household.

As in the previous questions, the only right answer is what you would choose in reality. It is important that you consider options carefully, as this research will contribute to inform energy policy in Switzerland.

The respondent is randomly assigned to 1 of 6 blocks CE2E.1 to CE2E.6.

ODCE: CE2A.1 to CE2A.6, CE2C.1 to CE2C.6, CE2E.1 to CE2E.6

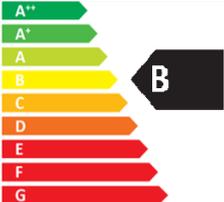
odce_ce2a_1_1

	Offer I	Offer II	Offer III
Heating technology	Boiler with natural gas	Boiler with heating oil	Boiler with wood pellets
Investment cost	Fr. 13'010	Fr. 17'030	Fr. 30'140
Energy label			

	I (1)	II (2)	III (3)
Which offer do you prefer?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

... (in total 3 groups of 6 blocks of 6 choice tasks)

odce_ce2e_6_36

	Offer I	Offer II	Offer III
Heating technology	Boiler with heating oil	Boiler with natural gas	Boiler with wood pellets
Investment cost	Fr. 17'030	Fr. 10'160	Fr. 17'030
Energy label			
Annual heating costs	Fr. 1'320 (incl. Fr. 420 CO ₂ tax)	Fr. 1'530 (no CO ₂ tax)	Fr. 1'710 (incl. Fr. 320 CO ₂ tax)

	I (1)	II (2)	III (3)
Which offer do you prefer?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

ODCE: Post-experiment

odce_post1

How important are the following factors for you when considering replacing your current heating technology?

	Not important (1)	Important (2)	Very important (3)
Type (technology) [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment cost [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy source [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heating cost [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CO ₂ tax [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify) [_6] (text in odce_post1_6_other)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

odce_post2

Do you think that the intent of the study was to...

(Multiple answers possible)

- Understand the effect of energy labels on investment in heating systems. [_1]
- Understand the effect of heating costs on investment in heating systems. [_2]
- Understand the effect of CO2 taxes on investment in heating systems. [_3] (only displayed to respondents assigned to treatments D or E)
- Understand why people invest in different types of heating systems. [_4]
- Persuade people to invest in energy efficient heating systems or heating systems operated with renewable energy. [_5]
- Persuade people to invest in standard heating systems. [_6]
- Other (please specify): [_7] _____ (text in **odce_post2_7_other**)

odce_post3

Only displayed if the respondent answered yes in **odce_post2_5**.

You said, you thought that we have tried to persuade you to invest in an efficient heating system or a heating system operated with renewable energy.

Did this affect your choices in this survey?

- No (0)
- Yes (how?) (1) _____ (text in **odce_post3_text**)

odce_post4

Only displayed if the respondent answered yes in **odce_post2_6**.

You said, you thought that we have tried to persuade you to invest in a standard heating system.

Did this affect your choices in this survey?

- No (0)
- Yes (how?) (1) _____ (text in **odce_post4_text**)

Tenants MPL (TMPL)

Data relative to TMPL are in secondary database SHEDS2017_TMPL.

tmpl_i1

In this part of the survey, we now focus on the use of energy to heat and produce warm water for your dwelling, also called central heating system. We will focus on the dwelling you currently rent and live in.

We want to understand your perceptions about alternative central heating choices. The information that we collect will be used to inform Swiss energy policy, and it is therefore important that your answers reflect your specific situation and your personal tastes.

In particular, some of the following questions will involve costs to your own household; please give careful consideration to how these costs would affect your financial budget.

tmpl_i2

For the next set of questions, please imagine that your landlord plans to replace your building's current heating system. Note that this choice could influence your rent, and we will imagine different scenarios about such a choice and seek to understand which alternative would be best for your household.

We will consider a choice between two alternative replacement options, and these options are described by a standard label grading how efficient the appliance is at converting the energy in its fuel to heat. Energy efficiency is graded from G (very low) to A++ (very high), and the label for grade A looks like this:

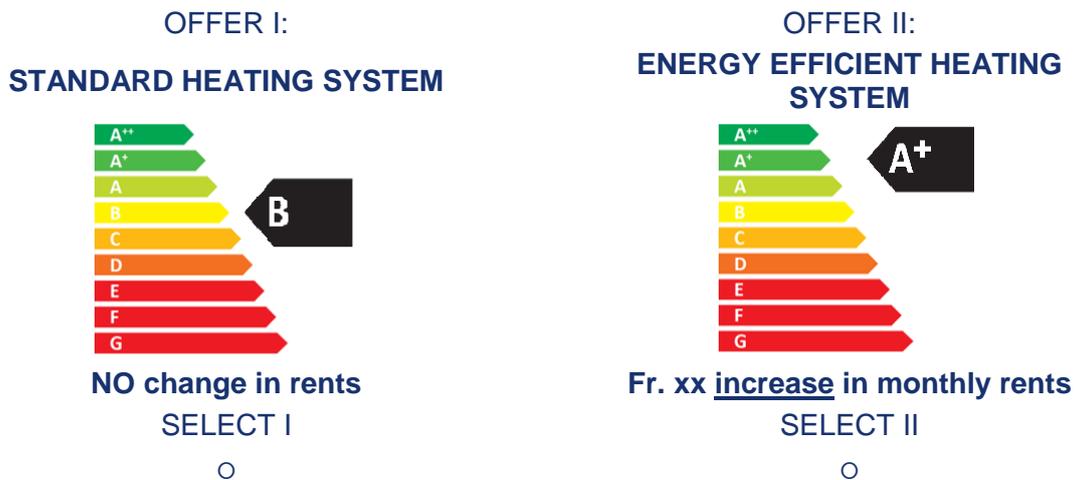


Imagine that your landlord may choose a standard heating appliance, graded B, or alternatively a more energy efficient option, graded A+. Selecting the appliance graded B is considered standard maintenance, so as a tenant your rents would not change. However, if your landlord decides to install a more costly and highly energy efficient (A+) appliance, she/he may ask for an increase in rents to cover some of the additional costs.

tmpl_i3

Here is an example of the choice we want you to consider. Each offer (I and II) describes an alternative central heating appliance that would fully replace your current one. Offer I has an energy efficiency label "B", and therefore this offer has no impact on the monthly rent you

pay. Offer II is graded “A+”, and this could mean that your rent would increase by a particular amount Fr. xx to cover the higher investment costs.



Besides the different energy efficiency grades, these two appliances are exactly similar. They meet your general requirements, perform equally well, and are expected to have the same operating life of 15 years.

When making your choices, please assume that the change of appliance will necessarily take place in 2017. The selected heating appliance would fully replace your current central heating appliance, but the rest of your heating system, such as the radiators, would not be changed.

tmp1_bc_i

You will now be asked to make a number of decisions such as the example displayed before. All decisions have the same format. In making your choices, please remember that any money spent on your dwelling will not be available for other expenses by your household. There is no right or wrong answer. It is important that your choices reflect your preferred situation, as this research will contribute to inform energy policy in Switzerland.

tmpl_bc1

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



NO change in rents

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

... **tmpl_bc2** ... **tmpl_bc9** displayed as long as respondent chooses answer 2. When respondent chooses answer 1, remaining **tmpl_bcX** questions are not displayed and the respondent skips to treatment.

tmpl_bc10

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



Fr. 200 increase in monthly rent

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

The monthly rent increase corresponding to the last choice accepted by the respondent is recorded in **tmpl_bc**.

The respondent is randomly allocated to 1 of 7 treatments (A to G). The treatment received is indicated in **tmpl_trt**.

TMPL: Treatment A

tmpl_ta1

For the next part of the study, you will have the opportunity to learn more about Swiss residential buildings and energy. We will show you information about:

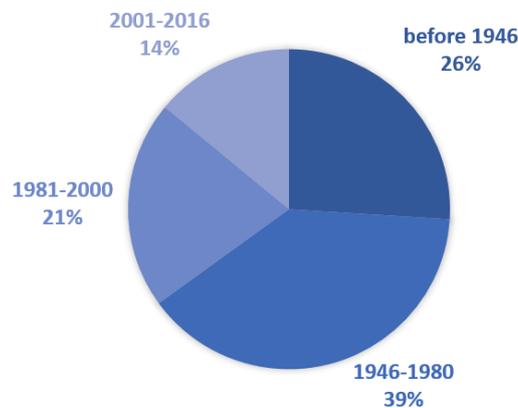
- The construction year of residential buildings
- Heating technologies and energy sources

The discussion of each issue will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

tmpl_ta2

Compared to other countries, Switzerland has a relatively old building stock. According to official estimates, two thirds of the dwellings in Switzerland were built before 1980 (65%), and 14% of today's apartments were built within the last 15 years.

AGE OF DWELLINGS IN SWITZERLAND BY CONSTRUCTION PERIOD



Switzerland's settlement and urban areas have grown rapidly in recent years. The reasons for this are fast population growth and increased demands for housing, leisure and mobility. The transformation of the built environment is a reflection of social change.

tmpl_ta3

How many % of Swiss apartments were built between 2001 and 2016?

To answer this question, you can only enter integers between 0 and 100. Type your answer below:

_____ %

tmpl_ta3a

Only displayed if the respondent gave the correct answer (i.e. 14) in **tmpl_ta3**.

Your answer is correct.

tmpl_ta3b

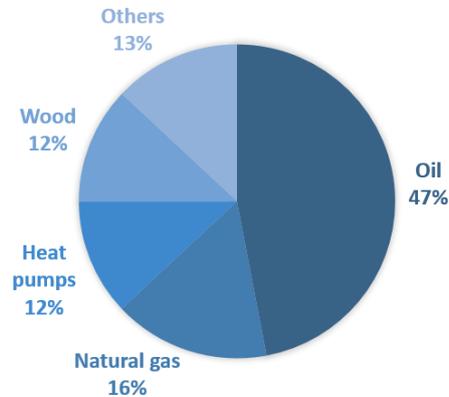
Only displayed if the respondent gave a wrong answer (i.e. not 14) in **tmpl_ta3**.

The correct answer was 14%.

tmpl_ta4

Swiss households use a variety of different heating technologies and energy sources to enjoy temperate dwellings and warm water. Official records show that heating oil is the most prevalent source of energy to produce residential heat (47%), followed by natural gas (16%).

HEATING SYSTEMS AND ENERGY SOURCES IN SWISS RESIDENTIAL BUILDINGS



Compared to 2009, there has been a 5% decline in the use of oil-based heating, and a 4% increase in the number of heat pumps installed.

tmpl_ta5

How many % of Swiss residential buildings are heated with natural gas today?

To answer this question, you can only enter integers between 0 and 100. Type your answer below:

_____ %

tmpl_ta5a

Only displayed if the respondent gave the correct answer (i.e. 16) in **tmpl_ta5**.

Your answer is correct.

tmpl_ta5b

Only displayed if the respondent gave a wrong answer (i.e. not 16) in **tmpl_ta5**.

The correct answer was 16%.

tmpl_ta_ec_i1

Now please consider again the possibility that the current primary heating appliance of your dwelling needs replacement. Imagine once again that your landlord may choose a standard heating appliance, graded B, or alternatively a more energy efficient option, graded A+.

tmpl_ta_ec_i2

You will now be asked to make further choices between pairs of offers. Here is an example of the choice we want you to consider:

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



Fr. xx increase in monthly rents

SELECT II

Besides the attributes described, these two appliances are again exactly similar and the change of appliance will again take place in 2017. All decisions have the same format. Please consider your choices carefully, and remember that expenses for your dwelling will not be available for other things. It is important that your choices reflect your preferred situation, as this research will contribute to inform energy policy in Switzerland. The only right answer is what you would choose in reality.

tmpl_ta_ec1

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



NO change in rents

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

... **tmpl_ta_ec2** ... **tmpl_ta_ec9** displayed as long as respondent chooses answer 2. When respondent chooses answer 1, remaining **tmpl_ta_ecX** questions are not displayed and the respondent skips to time and risk MPL.

tmpl_ta_ec10

Please make your choice below.

OFFER I: **STANDARD HEATING SYSTEM**



NO change in rents
SELECT I

OFFER II: **ENERGY EFFICIENT HEATING SYSTEM**



Fr. 200 increase in monthly rent
SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

The monthly rent increase corresponding to the last choice accepted by the respondent is recorded in **tmpl_ta_ec**.

TMPL: Treatment B

tmpl_tb1

For the next part of the study, you will have the opportunity to learn more about Swiss residential buildings and energy. We will show you information about:

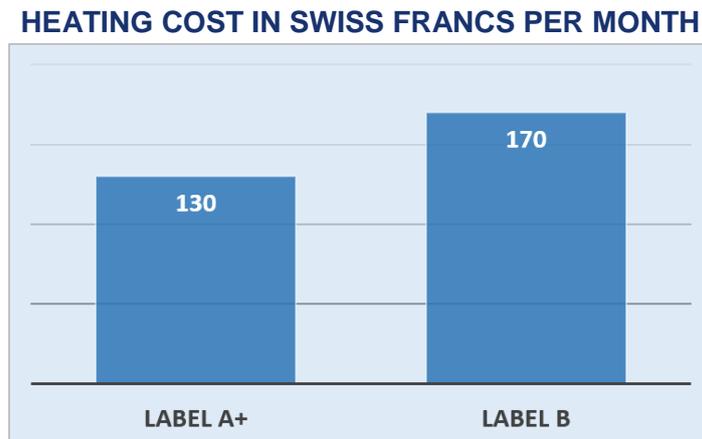
- Energy efficiency and heating costs
- The construction year of residential buildings

The discussion of each issue will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

tmpl_tb2

Choosing an energy efficient heating appliance can lower your household's heating costs significantly: keeping everything else equal, switching from an appliance graded B to one graded A+ would decrease energy use by 25 percent on average. This implies that heating

costs for a household who pays Fr. 170 per month with an appliance graded B could decline to Fr. 130 per month with an A+ appliance.



Therefore, while more energy efficient appliances are typically more expensive to purchase (the investment cost), over a 15-year lifetime the additional cost may be more than compensated by lower heating costs.

tmpl_tb3

Typically, if heating expenditures with an appliance graded A+ amount to Fr. 130 per month, how much would heating cost be with an appliance graded B?

To answer this question, you can only enter integers. Type your answer below:

tmpl_tb3a

Only displayed if the respondent gave the correct answer (i.e. 170) in **tmpl_tb3**.

Your answer is correct.

tmpl_tb3b

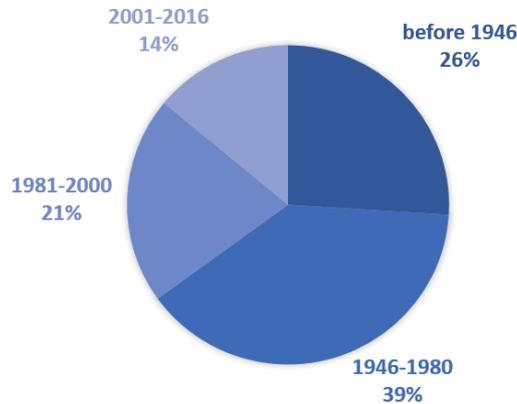
Only displayed if the respondent gave a wrong answer (i.e. not 170) in **tmpl_tb3**.

The correct answer was Fr. 170.

tmpl_tb4

Compared to other countries, Switzerland has a relatively old building stock. According to official estimates, two thirds of the dwellings in Switzerland were built before 1980 (65%), and 14% of today's apartments were built within the last 15 years.

AGE OF DWELLINGS IN SWITZERLAND BY CONSTRUCTION PERIOD



Switzerland's settlement and urban areas have grown rapidly in recent years. The reasons for this are fast population growth and increased demands for housing, leisure and mobility. The transformation of the built environment is a reflection of social change.

tmpl_tb5

How many % of Swiss apartments were built between 2001 and 2016?

To answer this question, you can only enter integers between 0 and 100. Type your answer below:

tmpl_tb5a

Only displayed if the respondent gave the correct answer (i.e. 14) in **tmpl_tb5**.

Your answer is correct.

tmpl_tb5b

Only displayed if the respondent gave a wrong answer (i.e. not 14) in **tmpl_tb5**.

The correct answer was 14%.

tmpl_tb_ec_i1

Now please consider again the possibility that the current primary heating appliance of your dwelling needs replacement. Imagine once again that your landlord may choose a standard heating appliance, graded B, or alternatively a more energy efficient option, graded A+.

tmpl_tb_ec_i2

You will now be asked to make further choices between pairs of offers. Here is an example of the choice we want you to consider:

OFFER I:

STANDARD HEATING SYSTEM

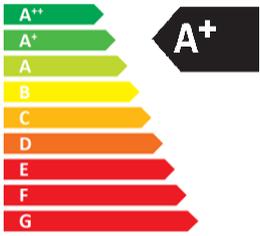


NO change in rents

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



Fr. xx increase in monthly rents

SELECT II

Besides the attributes described, these two appliances are again exactly similar and the change of appliance will again take place in 2017. All decisions have the same format. Please consider your choices carefully, and remember that expenses for your dwelling will not be available for other things. It is important that your choices reflect your preferred situation, as this research will contribute to inform energy policy in Switzerland. The only right answer is what you would choose in reality.

tmpl_tb_ec1

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



NO change in rents

SELECT II

SELECT I (1)	SELECT II (2)
<input type="radio"/>	<input type="radio"/>

... **tmpl_tb_ec2** ... **tmpl_tb_ec9** displayed as long as respondent chooses answer 2. When respondent chooses answer 1, remaining **tmpl_tb_ecX** questions are not displayed and the respondent skips to time and risk MPL.

tmpl_tb_ec10

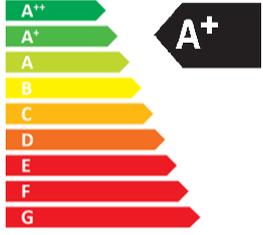
Please make your choice below.

OFFER I:
STANDARD HEATING SYSTEM



NO change in rents
SELECT I

OFFER II:
ENERGY EFFICIENT HEATING SYSTEM



Fr. 200 increase in monthly rent
SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

The monthly rent increase corresponding to the last choice accepted by the respondent is recorded in **tmpl_tb_ec**.

TMPL: Treatment C

tmpl_tc1

For the next part of the study, you will have the opportunity to learn more about Swiss residential buildings and energy. We will show you information about:

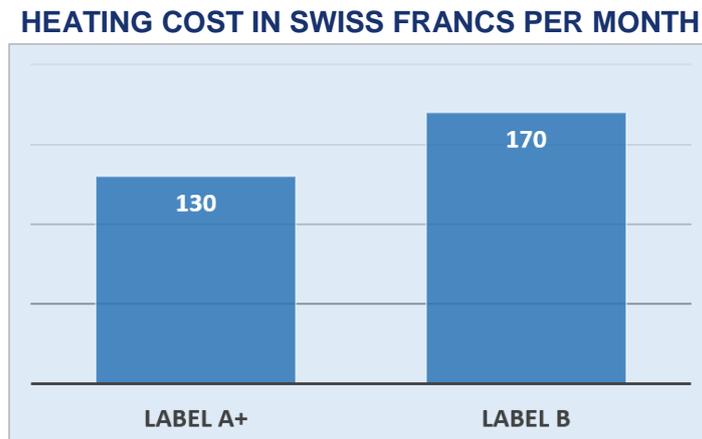
- Energy efficiency and heating costs
- The construction year of residential buildings

The discussion of each issue will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

tmpl_tc2

Choosing an energy efficient heating appliance can lower your household's heating costs significantly: keeping everything else equal, switching from an appliance graded B to one graded A+ would decrease energy use by 25 percent on average. This implies that heating

costs for a household who pays Fr. 170 per month with an appliance graded B could decline to Fr. 130 per month with an A+ appliance.



Therefore, while more energy efficient appliances are typically more expensive to purchase (the investment cost), over a 15-year lifetime the additional cost may be more than compensated by lower heating costs.

tmpl_tc3

Typically, if heating expenditures with an appliance graded A+ amount to Fr. 130 per month, how much would heating cost be with an appliance graded B?

To answer this question, you can only enter integers. Type your answer below:

tmpl_tc3a

Only displayed if the respondent gave the correct answer (i.e. 170) in **tmpl_tc3**.

Your answer is correct.

tmpl_tc3b

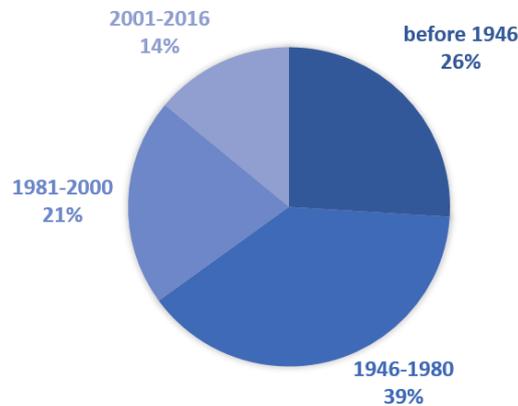
Only displayed if the respondent gave a wrong answer (i.e. not 170) in **tmpl_tc3**.

The correct answer was Fr. 170.

tmpl_tc4

Compared to other countries, Switzerland has a relatively old building stock. According to official estimates, two thirds of the dwellings in Switzerland were built before 1980 (65%), and 14% of today's apartments were built within the last 15 years.

AGE OF DWELLINGS IN SWITZERLAND BY CONSTRUCTION PERIOD



Switzerland's settlement and urban areas have grown rapidly in recent years. The reasons for this are fast population growth and increased demands for housing, leisure and mobility. The transformation of the built environment is a reflection of social change.

tmpl_tc5

How many % of Swiss apartments were built between 2001 and 2016?

To answer this question, you can only enter integers between 0 and 100. Type your answer below:

tmpl_tc5a

Only displayed if the respondent gave the correct answer (i.e. 14) in **tmpl_tc5**.

Your answer is correct.

tmpl_tc5b

Only displayed if the respondent gave a wrong answer (i.e. not 14) in **tmpl_tc5**.

The correct answer was 14%.

tmpl_tc_ec_i1

Now please consider again the possibility that the current primary heating appliance of your dwelling needs replacement. Imagine once again that your landlord may choose a standard heating appliance, graded B, or alternatively a more energy efficient option, graded A+.

tmpl_tc_ec_i2

You will now be asked to make further choices between pairs of offers. In addition, for each offer we now report approximate total heating and warm water cost for an average Swiss household:

OFFER I:

STANDARD HEATING SYSTEM

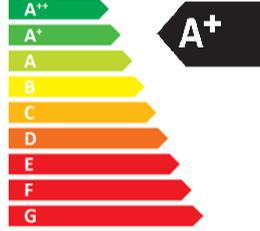


NO change in rents
Fr. 170 monthly heating costs

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



Fr. xx increase in monthly rents
Fr. 130 monthly heating costs

SELECT II

Besides the attributes described, these two appliances are again exactly similar and the change of appliance will again take place in 2017. All decisions have the same format. Please consider your choices carefully, and remember that expenses for your dwelling will not be available for other things. It is important that your choices reflect your preferred situation, as this research will contribute to inform energy policy in Switzerland. The only right answer is what you would choose in reality.

tmpl_tc_ec1

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents
Fr. 170 monthly heating costs

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



NO change in rents
Fr. 130 monthly heating costs

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

... **tmpl_tc_ec2** ... **tmpl_tc_ec9** displayed as long as respondent chooses answer 2. When respondent chooses answer 1, remaining **tmpl_tc_ecX** questions are not displayed and the respondent skips to time and risk MPL.

tmpl_tc_ec10

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents
Fr. 170 monthly heating costs

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



Fr. 200 increase in monthly rent
Fr. 130 monthly heating costs

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

The monthly rent increase corresponding to the last choice accepted by the respondent is recorded in **tmpl_tc_ec**.

TMPL: Treatment D

tmpl_td1

For the next part of the study, you will have the opportunity to learn more about Swiss residential buildings and energy. We will show you information about:

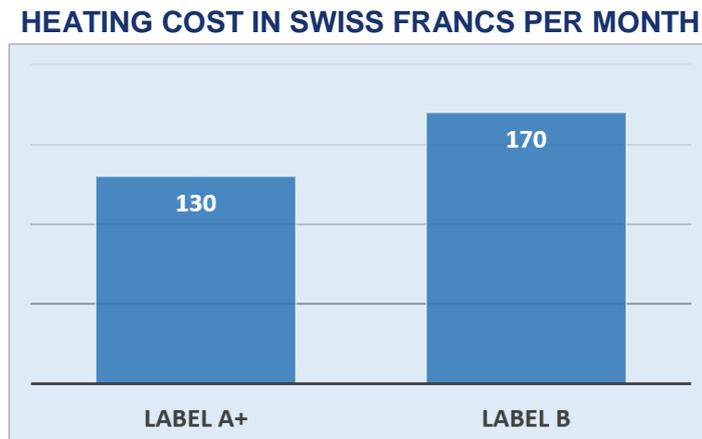
- Energy efficiency and heating costs
- How heating costs can vary from year to year

The discussion of each issue will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

tmpl_td2

Choosing an energy efficient heating appliance can lower your household's heating costs significantly: keeping everything else equal, switching from an appliance graded B to one graded A+ would decrease energy use by 25 percent on average. This implies that heating

costs for a household who pays Fr. 170 per month with an appliance graded B could decline to Fr. 130 per month with an A+ appliance.



Therefore, while more energy efficient appliances are typically more expensive to purchase (the investment cost), over a 15-year lifetime the additional cost may be more than compensated by lower heating costs.

tmpl_td3

Typically, if heating expenditures with an appliance graded A+ amount to Fr. 130 per month, how much would heating cost be with an appliance graded B?

To answer this question, you can only enter integers. Type your answer below:

tmpl_td3a

Only displayed if the respondent gave the correct answer (i.e. 170) in **tmpl_td3**.

Your answer is correct.

tmpl_td3b

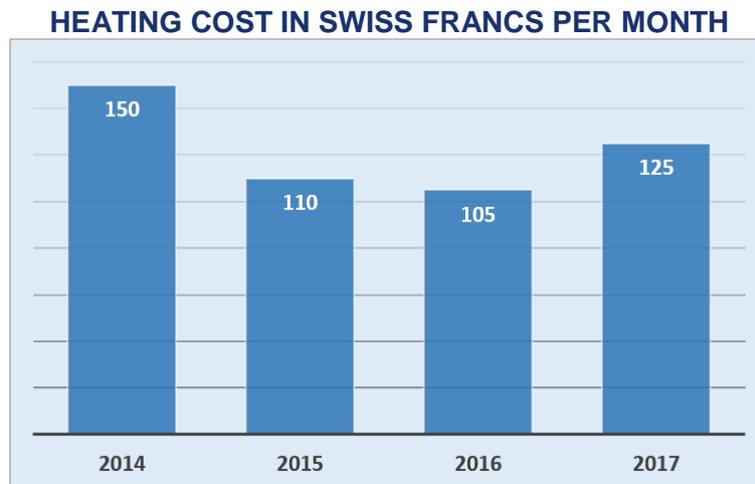
Only displayed if the respondent gave a wrong answer (i.e. not 170) in **tmpl_td3**.

The correct answer was Fr. 170.

tmpl_td4

Heating costs depend in great part on the cost of fuel. Yearly energy costs for a boiler operated with heating oil, for instance, vary from year to year with the price of oil: while

average monthly heating costs were at Fr. 150 per household in 2014, they only amounted to Fr. 105 per household in 2016.



Therefore, because of varying energy prices, heating costs of households who select an energy efficient heating system may not necessarily decline as much as expected.

tmpl_td5

Does the purchase of energy efficient heating appliances always result in lower heating costs?

- Yes (1)
- No (0)

tmpl_td5a

Only displayed if the respondent gave the correct answer (i.e. No) in **tmpl_td5**.
Your answer is correct.

tmpl_td5b

Only displayed if the respondent gave the wrong answer (i.e. Yes) in **tmpl_td5**.
The correct answer was "No".

tmpl_td_ec_i1

Now please consider again the possibility that the current primary heating appliance of your dwelling needs replacement. Imagine once again that your landlord may choose a standard heating appliance, graded B, or alternatively a more energy efficient option, graded A+.

tmpl_td_ec_i2

You will now be asked to make further choices between pairs of offers. In addition, for each offer we now report approximate total heating and warm water cost for an average Swiss household:

OFFER I:

OFFER II:

STANDARD HEATING SYSTEM



NO change in rents
Fr. 170 monthly heating costs

SELECT I

ENERGY EFFICIENT HEATING SYSTEM



Fr. xx increase in monthly rents
Fr. 130 monthly heating costs

SELECT II

Besides the attributes described, these two appliances are again exactly similar and the change of appliance will again take place in 2017. All decisions have the same format. Please consider your choices carefully, and remember that expenses for your dwelling will not be available for other things. It is important that your choices reflect your preferred situation, as this research will contribute to inform energy policy in Switzerland. The only right answer is what you would choose in reality.

tmpl_td_ec1

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents
Fr. 170 monthly heating costs

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



NO change in rents
Fr. 130 monthly heating costs

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

... **tmpl_td_ec2** ... **tmpl_td_ec9** displayed as long as respondent chooses answer 2. When respondent chooses answer 1, remaining **tmpl_td_ecX** questions are not displayed and the respondent skips to time and risk MPL.

tmpl_td_ec10

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents

Fr. 170 monthly heating costs

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



Fr. 200 increase in monthly rent

Fr. 130 monthly heating costs

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

The monthly rent increase corresponding to the last choice accepted by the respondent is recorded in **tmpl_td_ec**.

TMPL: Treatment E

tmpl_te1

For the next part of the study, you will have the opportunity to learn more about Swiss residential buildings and energy. We will show you information about:

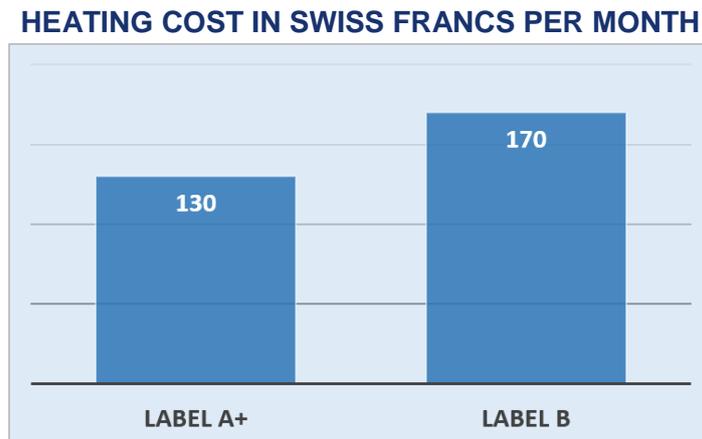
- Energy efficiency and heating costs
- The CO2 tax on heating oil and natural gas

The discussion of each issue will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

tmpl_te2

Choosing an energy efficient heating appliance can lower your household's heating costs significantly: keeping everything else equal, switching from an appliance graded B to one graded A+ would decrease energy use by 25 percent on average. This implies that heating

costs for a household who pays Fr. 170 per month with an appliance graded B could decline to Fr. 130 per month with an A+ appliance.



Therefore, while more energy efficient appliances are typically more expensive to purchase (the investment cost), over a 15-year lifetime the additional cost may be more than compensated by lower heating costs.

tmpl_te3

Typically, if heating expenditures with an appliance graded A+ amount to Fr. 130 per month, how much would heating cost be with an appliance graded B?

To answer this question, you can only enter integers. Type your answer below:

tmpl_te3a

Only displayed if the respondent gave the correct answer (i.e. 170) in **tmpl_te3**.

Your answer is correct.

tmpl_te3b

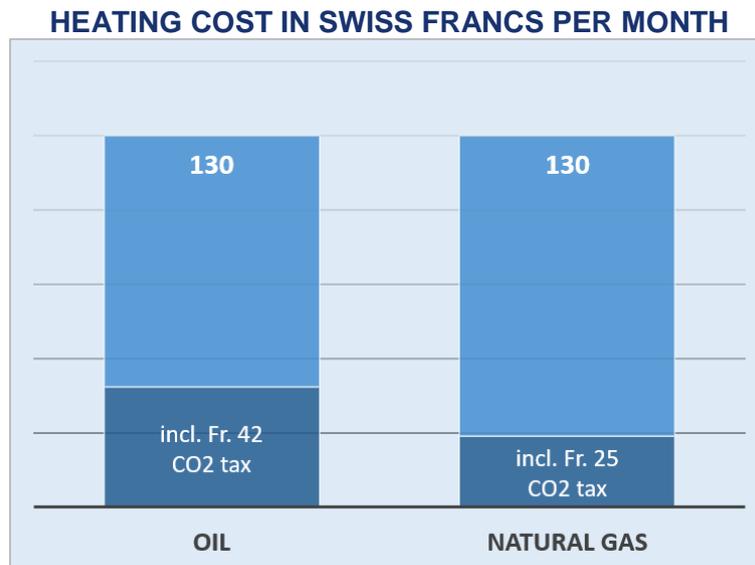
Only displayed if the respondent gave a wrong answer (i.e. not 170) in **tmpl_te3**.

The correct answer was Fr. 170.

tmpl_te4

Switzerland participates in international efforts to reduce the risk of climate change, and the government has enacted laws that require a reduction in CO2 emissions by 20 percent from 1990 to 2020. Fossil fuels are important contributors to CO2 emissions and, since 2008, in

Switzerland heating oil and natural gas are taxed in proportion to the CO2 emitted when they are used in heating systems.



This CO2 tax has increased from Fr. 12 per ton of CO2 emitted in 2008 to Fr. 84 per ton of CO2 in 2016. At the current rate, this corresponds to a tax on heating oil of around Fr. 42 for a monthly heating bill of Fr. 130, while the tax on natural gas amounts to Fr. 25 for a monthly heating bill of Fr. 130. For other fuels, including wood and electricity, the CO2 tax is nil.

tmpl_te5

If your heating system is operating on heating oil and your monthly heating bill amounts to CHF 130, how high is the associated CO2 tax payment?

To answer this question, you can only enter integers. Type your answer below:

tmpl_te5a

Only displayed if the respondent gave the correct answer (i.e. 42) in **tmpl_te5**.

Your answer is correct.

tmpl_te5b

Only displayed if the respondent gave a wrong answer (i.e. not 42) in **tmpl_te3**.

The correct answer was Fr. 42.

tmpl_te_ec_i1

Now please consider again the possibility that the current primary heating appliance of your dwelling needs replacement. Imagine once again that your landlord may choose a standard heating appliance, graded B, or alternatively a more energy efficient option, graded A+.

tmpl_te_ec_i2

You will now be asked to make further choices between pairs of offers. Here is an example of the choice we want you to consider:

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



Fr. xx increase in monthly rents

SELECT II

Besides the attributes described, these two appliances are again exactly similar and the change of appliance will again take place in 2017. All decisions have the same format. Please consider your choices carefully, and remember that expenses for your dwelling will not be available for other things. It is important that your choices reflect your preferred situation, as this research will contribute to inform energy policy in Switzerland. The only right answer is what you would choose in reality.

tmpl_te_ec1

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



NO change in rents

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

... **tmpl_te_ec2** ... **tmpl_te_ec9** displayed as long as respondent chooses answer 2. When respondent chooses answer 1, remaining **tmpl_te_ecX** questions are not displayed and the respondent skips to time and risk MPL.

tmpl_te_ec10

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents
SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



Fr. 200 increase in monthly rent
SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

The monthly rent increase corresponding to the last choice accepted by the respondent is recorded in **tmpl_te_ec**.

TMPL: Treatment F

tmpl_tf1

For the next part of the study, you will have the opportunity to learn more about Swiss residential buildings and energy. We will show you information about:

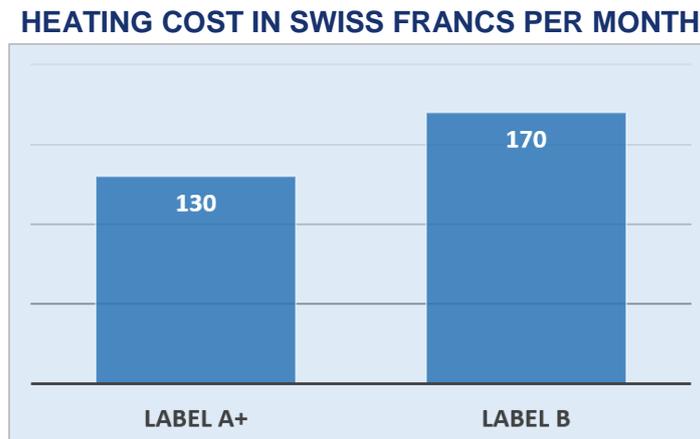
- Energy efficiency and heating costs
- The CO2 tax on heating oil and natural gas

The discussion of each issue will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

tmpl_tf2

Choosing an energy efficient heating appliance can lower your household's heating costs significantly: keeping everything else equal, switching from an appliance graded B to one graded A+ would decrease energy use by 25 percent on average. This implies that heating

costs for a household who pays Fr. 170 per month with an appliance graded B could decline to Fr. 130 per month with an A+ appliance.



Therefore, while more energy efficient appliances are typically more expensive to purchase (the investment cost), over a 15-year lifetime the additional cost may be more than compensated by lower heating costs.

tmpl_tf3

Typically, if heating expenditures with an appliance graded A+ amount to Fr. 130 per month, how much would heating cost be with an appliance graded B?

To answer this question, you can only enter integers. Type your answer below:

tmpl_tf3a

Only displayed if the respondent gave the correct answer (i.e. 170) in **tmpl_tf3**.

Your answer is correct.

tmpl_tf3b

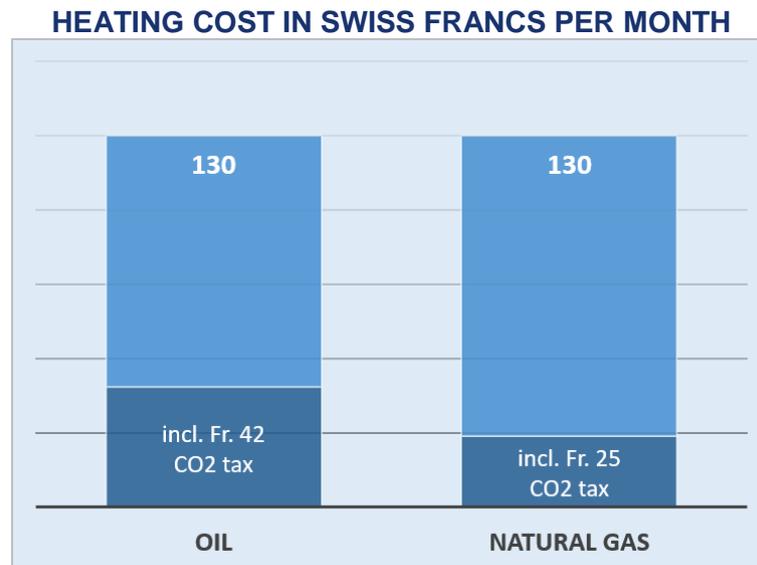
Only displayed if the respondent gave a wrong answer (i.e. not 170) in **tmpl_tf3**.

The correct answer was Fr. 170.

tmpl_tf4

Switzerland participates in international efforts to reduce the risk of climate change, and the government has enacted laws that require a reduction in CO2 emissions by 20 percent from 1990 to 2020. Fossil fuels are important contributors to CO2 emissions and, since 2008, in

Switzerland heating oil and natural gas are taxed in proportion to the CO2 emitted when they are used in heating systems.



This CO2 tax has increased from Fr. 12 per ton of CO2 emitted in 2008 to Fr. 84 per ton of CO2 in 2016. At the current rate, this corresponds to a tax on heating oil of around Fr. 42 for a monthly heating bill of Fr. 130, while the tax on natural gas amounts to Fr. 25 for a monthly heating bill of Fr. 130. For other fuels, including wood and electricity, the CO2 tax is nil.

tmpl_tf5

If your heating system is operating on heating oil and your monthly heating bill amounts to CHF 130, how high is the associated CO2 tax payment?

To answer this question, you can only enter integers. Type your answer below:

tmpl_tf5a

Only displayed if the respondent gave the correct answer (i.e. 42) in **tmpl_tf5**.

Your answer is correct.

tmpl_tf5b

Only displayed if the respondent gave a wrong answer (i.e. not 42) in **tmpl_tf5**.

The correct answer was Fr. 42.

tmpl_tf_ec_i1

Now please consider again the possibility that the current primary heating appliance of your dwelling needs replacement. Imagine once again that your landlord may choose a standard heating appliance, graded B, or alternatively a more energy efficient option, graded A+.

tmpl_tf_ec_i2

You will now be asked to make further choices between pairs of offers. In addition, for each offer we now report approximate total heating and warm water cost, as well as the associated CO2 tax for an average Swiss household:

<p>OFFER I:</p> <p>STANDARD HEATING SYSTEM</p>  <p>NO change in rents Fr. 170 monthly heating costs (incl. Fr. 55 CO₂ tax)</p> <p>SELECT I</p> <p><input type="radio"/></p>	<p>OFFER II:</p> <p>ENERGY EFFICIENT HEATING SYSTEM</p>  <p>Fr. xx increase in monthly rents Fr. 130 monthly heating costs (incl. Fr. 42 CO₂ tax)</p> <p>SELECT II</p> <p><input type="radio"/></p>
---	--

Besides the attributes described, these two appliances are again exactly similar and the change of appliance will again take place in 2017. All decisions have the same format. Please consider your choices carefully, and remember that expenses for your dwelling will not be available for other things. It is important that your choices reflect your preferred situation, as this research will contribute to inform energy policy in Switzerland. The only right answer is what you would choose in reality.

tmpl_tf_ec1

Please make your choice below.

<p>OFFER I:</p> <p>STANDARD HEATING SYSTEM</p>  <p>NO change in rents Fr. 170 monthly heating costs (incl. Fr. 55 CO₂ tax)</p>	<p>OFFER II:</p> <p>ENERGY EFFICIENT HEATING SYSTEM</p>  <p>NO change in rents Fr. 130 monthly heating costs (incl. Fr. 42 CO₂ tax)</p>
--	--

SELECT I

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

... **tmpl_tf_ec2** ... **tmpl_tf_ec9** displayed as long as respondent chooses answer 2. When respondent chooses answer 1, remaining **tmpl_tf_ecX** questions are not displayed and the respondent skips to time and risk MPL.

tmpl_tf_ec10

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents

**Fr. 170 monthly heating costs
(incl. Fr. 55 CO₂ tax)**

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



Fr. 200 increase in monthly rent

**Fr. 130 monthly heating costs
(incl. Fr. 42 CO₂ tax)**

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

The monthly rent increase corresponding to the last choice accepted by the respondent is recorded in **tmpl_tf_ec**.

TMPL: Treatment G

tmpl_tg1

For the next part of the study, you will have the opportunity to learn more about Swiss residential buildings and energy. We will show you information about:

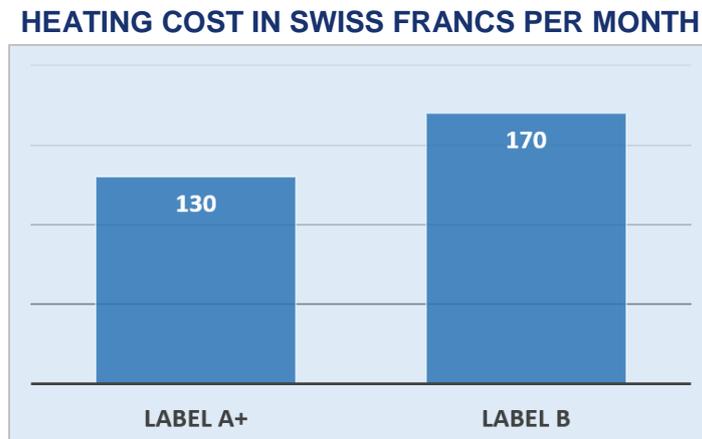
- Energy efficiency and heating costs
- The CO₂ tax on heating oil and natural gas

The discussion of each issue will be followed by a one-question quiz. Please pay close attention to the discussion so that you can correctly answer the quiz question.

tmpl_tg2

Choosing an energy efficient heating appliance can lower your household's heating costs significantly: keeping everything else equal, switching from an appliance graded B to one

graded A+ would decrease energy use by 25 percent on average. This implies that heating costs for a household who pays Fr. 170 per month with an appliance graded B could decline to Fr. 130 per month with an A+ appliance.



Therefore, while more energy efficient appliances are typically more expensive to purchase (the investment cost), over a 15-year lifetime the additional cost may be more than compensated by lower heating costs.

tmpl_tg3

Typically, if heating expenditures with an appliance graded A+ amount to Fr. 130 per month, how much would heating cost be with an appliance graded B?

To answer this question, you can only enter integers. Type your answer below:

tmpl_tg3a

Only displayed if the respondent gave the correct answer (i.e. 170) in **tmpl_tg3**.

Your answer is correct.

tmpl_tg3b

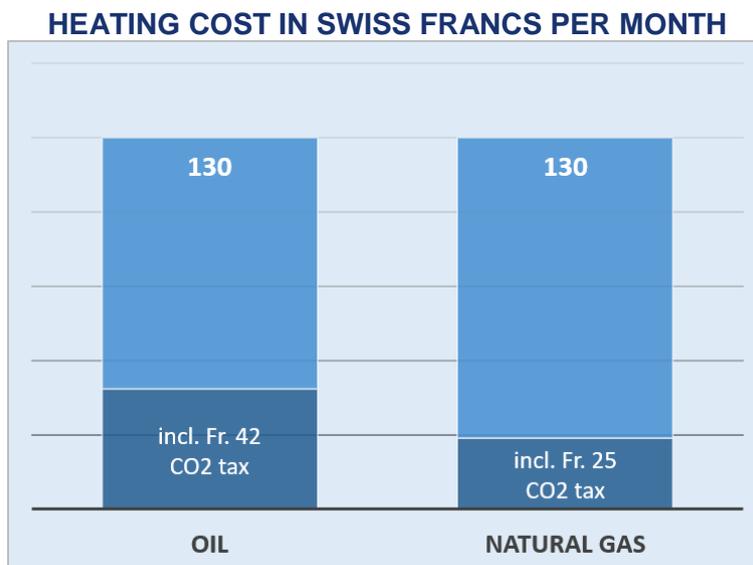
Only displayed if the respondent gave a wrong answer (i.e. not 170) in **tmpl_tg3**.

The correct answer was Fr. 170.

tmpl_tg4

Switzerland participates in international efforts to reduce the risk of climate change, and the government has enacted laws that require a reduction in CO2 emissions by 20 percent from 1990 to 2020. Fossil fuels are important contributors to CO2 emissions and, since 2008, in

Switzerland heating oil and natural gas are taxed in proportion to the CO2 emitted when they are used in heating systems.



This CO2 tax has increased from Fr. 12 per ton of CO2 emitted in 2008 to Fr. 84 per ton of CO2 in 2016. At the current rate, this corresponds to a tax on heating oil of around Fr. 42 for a monthly heating bill of Fr. 130, while the tax on natural gas amounts to Fr. 25 for a monthly heating bill of Fr. 130. For other fuels, including wood and electricity, the CO2 tax is nil.

tmpl_tg5

If your heating system is operating on heating oil and your monthly heating bill amounts to CHF 130, how high is the associated CO2 tax payment?

To answer this question, you can only enter integers. Type your answer below:

tmpl_tg5a

Only displayed if the respondent gave the correct answer (i.e. 42) in **tmpl_tg5**.

Your answer is correct.

tmpl_tg5b

Only displayed if the respondent gave a wrong answer (i.e. not 42) in **tmpl_tg5**.

The correct answer was Fr. 42.

tmpl_tg_ec_i1

Now please consider again the possibility that the current primary heating appliance of your dwelling needs replacement. Imagine once again that your landlord may choose a standard heating appliance, graded B, or alternatively a more energy efficient option, graded A+.

tmpl_tg_ec_i2

You will now be asked to make further choices between pairs of offers. In addition, for each offer we now report approximate total heating and warm water cost, as well as the associated CO₂ tax for an average Swiss household:

<p>OFFER I:</p> <p>STANDARD HEATING SYSTEM</p>  <p>NO change in rents Fr. 170 monthly heating costs (incl. Fr. 55 CO₂ tax)</p> <p>SELECT I</p> <p><input type="radio"/></p>	<p>OFFER II:</p> <p>ENERGY EFFICIENT HEATING SYSTEM</p>  <p>Fr. xx increase in monthly rents Fr. 130 monthly heating costs (no CO₂ tax)</p> <p>SELECT II</p> <p><input type="radio"/></p>
---	--

Besides the attributes described, these two appliances are again exactly similar and the change of appliance will again take place in 2017. All decisions have the same format. Please consider your choices carefully, and remember that expenses for your dwelling will not be available for other things. It is important that your choices reflect your preferred situation, as this research will contribute to inform energy policy in Switzerland. The only right answer is what you would choose in reality.

tmpl_tg_ec1

Please make your choice below.

<p>OFFER I:</p> <p>STANDARD HEATING SYSTEM</p>  <p>NO change in rents Fr. 170 monthly heating costs (incl. Fr. 55 CO₂ tax)</p>	<p>OFFER II:</p> <p>ENERGY EFFICIENT HEATING SYSTEM</p>  <p>NO change in rents Fr. 130 monthly heating costs (no CO₂ tax)</p>
--	--

SELECT I

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

... **tmpl_tg_ec2** ... **tmpl_tg_ec9** displayed as long as respondent chooses answer 2. When respondent chooses answer 1, remaining **tmpl_tg_ecX** questions are not displayed and the respondent skips to time and risk MPL.

tmpl_tg_ec10

Please make your choice below.

OFFER I:

STANDARD HEATING SYSTEM



NO change in rents

**Fr. 170 monthly heating costs
(incl. Fr. 55 CO₂ tax)**

SELECT I

OFFER II:

ENERGY EFFICIENT HEATING SYSTEM



Fr. 200 increase in monthly rent

**Fr. 130 monthly heating costs
(no CO₂ tax)**

SELECT II

SELECT I (1)		SELECT II (2)
<input type="radio"/>		<input type="radio"/>

The monthly rent increase corresponding to the last choice accepted by the respondent is recorded in **tmpl_tg_ec**.

TMPL: Post-Experiment

tmpl_p1

Imagine your landlord considers renovating the heating system of your dwelling. How important are the following factors for you?

	Not important (1)	Important (2)	Very important (3)
Change in rent [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Change in monthly heating costs [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CO ₂ tax [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify) [_4] (text in tmpl_p1_4_other)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

tmpl_p2

Do you think that the intent of this part of the survey was to...

(multiple answers possible)

- Understand the effect of energy labels on investments in heating systems [_1]
- Understand how people trade-off rent increases and heating costs [_2]
- Understand how people trade-off rent increases and CO2 taxes [_3] (only displayed to respondents assigned to treatments E, F, or G)
- Understand people's preferences regarding different types of heating technologies [_4]
- Persuade people to accept rent increases in exchange for the installation of an efficient heating system [_5]
- Persuade people to accept no rent increases in exchange for the installation of an efficient heating system [_6]
- Others (please specify): [_7] _____ (text in **tmpl_p2_7_other**)

tmpl_p2a

Only displayed if the respondent answered yes in **tmpl_p2_5**.

You said, you thought that we have tried to persuade you to accept rent increases in exchange for the installation of an efficient heating system. Did this affect your choices in the survey?

- No (0)
- Yes (how?) (1) _____ (text in **tmpl_p2a_text**)

tmpl_p2b

Only displayed if the respondent answered yes in **tmpl_p2_6**.

You said, you thought that we have tried to persuade you to accept no rent increases in exchange for the installation of an efficient heating system. Did this affect your choices in the survey?

- No (0)
- Yes (how?) (1) _____

Time and risk MPL

Data relative to Time and risk MPL are in secondary database SHEDS2017_TimeRisk.

time_mpl_i1

In the following, we ask you to make a number of choices between two hypothetical options labeled "A" and "B".

All decisions have the same format. Option A would pay a Fr. 1'000 tax-free cash amount. Suppose you will be given the amount one (1) month from now. However, you can also opt for a higher credit amount that would be paid twelve (12) months from now (Option B). The

credit in twelve months is higher to compensate you for agreeing to wait for a longer time. An example is shown here:

OPTION A <i>received 1 month from now</i> Fr. 1'000	OPTION B <i>received 12 months from now</i> Fr. 1'009 <i>(1% annual interest rate)</i>
---	---

In this example, Option A pays Fr. 1'000 in one month and Option B pays Fr. 1'009 twelve months from now. By choosing option B you would get an annual return (or interest rate) of 1% on the Fr. 1'000. The corresponding annual interest rate is shown in brackets below the amount.

time_mpl_i2

We will now show you different pairs of options labeled A and B. The only difference between options A and B is the date at which payments are made (one month vs. twelve months) and the amount that you would receive. Imagine that both payments are certain to be delivered at their due date. All decisions have the same format.

Please consider the following choices carefully. There is no right or wrong answer, what matters is that you select the option you would choose in reality.

time_mpl_1

Please make your choice below.

OPTION A <i>received 1 month from now</i> Fr. 1'000	OPTION B <i>received 12 months from now</i> Fr. 1'009 <i>(1% annual interest rate)</i>
---	---

(1)	(2)
<input type="radio"/>	<input type="radio"/>

... **time_mpl_2** ... **time_mpl_10** displayed as long as respondent chooses answer 2. When respondent chooses answer 1, remaining time_mpl_X questions are not displayed and the respondent skips to risk MPL.

time_mpl_11

Please make your choice below.

OPTION A <i>received 1 month from now</i> Fr. 1'000	OPTION B <i>received 12 months from now</i> Fr. 1'888 <i>(100% annual interest rate)</i>
---	---

(1)	(2)
<input type="radio"/>	<input type="radio"/>

The minimum amount in 12 months instead of CHF 1000 in 1 month accepted by the respondent is recorded in **tmpl_mpl**.

time_mpl_q

Please tell us, in general, how willing are you to give up something that is beneficial for you today in order to benefit more from that in the future?

Please use a scale from 0 to 10, where 0 means you are “completely unwilling to give up something today” and 10 means you are “very willing to give up something today”. You can also use any number between 0 and 10 to indicate where you fall on the scale.

completely unwilling	1	2	3	4	neutral	6	7	8	9	very willing
0 (0)	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)	6 (6)	7 (7)	8 (8)	9 (9)	10 (10)
<input type="radio"/>										

risk_mpl_i1

In the following, we will ask you to make further choices between hypothetical options labeled “A” and “B”.

Each option describes an amount of money that you would receive today, although to determine the amount you will receive we will roll a 10-sided dice. The outcome of the dice will decide how much of a cash credit you will receive. You would not need to pay any tax on the credit. All decisions have the same format, which is displayed in the following example:

OPTION A		OPTION B	
			
Fr. 1'000	if the number on the die is 1 to 9	Fr. 2'000	if the number on the die is 1 to 9
Fr. 875	if the number on the die is 10	Fr. 75	if the number on the die is 10

In this example, Option A on the left pays Fr. 1'000 if the outcome of the die is 1 to 9, and it pays Fr. 875 if the outcome of the die is 10. Option B pays Fr. 2'000 if the outcome of the die is 1 to 9, and it pays Fr. 75 if the outcome of the die is 10. You can only choose one option.

risk_mpl_i2

We will now ask you to make decisions between pairs of options. The only difference between the two options A and B is the amounts that you would receive for a given outcome of the dice. All decisions have the same format.

Please consider the following choices carefully. The only right answer is what you would choose in reality.

risk_mpl_1

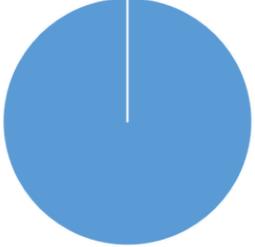
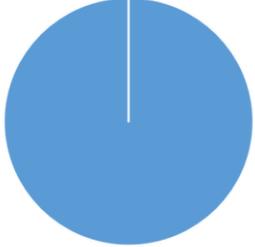
Please make your choice below.

OPTION A		OPTION B	
			
Fr. 1'000	if the number on the die is 1 to 9	Fr. 2'000	if the number on the die is 1 to 9
Fr. 875	if the number on the die is 10	Fr. 75	if the number on the die is 10

... risk_mpl_2 ... risk_mpl_9 displayed as long as respondent chooses answer 2. When respondent chooses answer 1, remaining risk_mpl_X questions are not displayed and the respondent skips to risk_mpl_q.

risk_mpl_10

Please make your choice below.

OPTION A		OPTION B	
			
Fr. 875	if the number on the die is 1 to 10	Fr. 75	if the number on the die is 1 to 10

The maximum number on die in option B accepted by the respondent is recorded in risk_mpl.

risk_mpl_q

Please tell us, in general, how willing or unwilling you are to take risks?

Please use a scale from 0 to 10, where 0 means you are "completely unwilling to take risks" and 10 means you are "very willing to take risks". You can also use any number between 0 and 10 to indicate where you fall on the scale.

completely unwilling	1	2	3	4	neutral	6	7	8	9	very willing
0	1	2	3	4	5	6	7	8	9	10
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<input type="radio"/>										

Electricity (elec1 to elec13_old)

elec1

Only displayed to “fresh” (**old** = 0) respondents.

Which devices do you own?

Disregard public facilities of your building.

For each device 0 = no, 1 = yes.

- Fridge [_1]
- Freezer (separated from fridge) [_2]
- Microwave oven [_3]
- Oven [_28]
- Dishwasher [_4]
- Coffee machine [_5]
- Juice maker [_6]
- Food processor [_7]
- Steam cooker [_8]
- Washing machine [_9]
- Dryer [_10]
- Robot vacuum cleaner [_11]
- TV [_12]
- TV box [_13]
- Home theater system [_14]
- Internet router [_15]
- Desktop computer [_16]
- Laptop [_17]
- Tablet [_18]
- Smartphone [_19]
- Infra-red electric heater [_20]
- Air conditioner [_21]
- Humidifier [_22]
- Sauna [_23]
- Solarium [_24]
- Jacuzzi [_25]
- Swimming pool [_26]
- Aquarium/Terrarium [_27]

elec1_old

Only displayed to “old” (**old** = 1) respondents.

Did you buy any of the following devices over the last 12 months?

Please tick all that apply.

For each device 0 = no, 1 = yes.

- Fridge [_1]
- Freezer (separated from fridge) [_2]
- Microwave oven [_3]
- Oven [_28]
- Dishwasher [_4]
- Coffee machine [_5]
- Juice maker [_6]
- Food processor [_7]
- Steam cooker [_8]
- Washing machine [_9]
- Dryer [_10]
- Robot vacuum cleaner [_11]
- TV [_12]
- TV box [_13]
- Home theater system [_14]
- Internet router [_15]
- Desktop computer [_16]
- Laptop [_17]
- Tablet [_18]
- Smartphone [_19]
- Infra-red electric heater [_20]
- Air conditioner [_21]
- Humidifier [_22]
- Sauna [_23]
- Solarium [_24]
- Jacuzzi [_25]
- Swimming pool [_26]
- Aquarium/Terrarium [_27]

elec2

Only displayed to “fresh” (**old** = 0) respondents.

How many of the following devices do you own?

Only the relevant choices (i.e., those ticked in **elec1**) are displayed to the respondent.

Device numbers in line with **elec1**.

	1 (1)	2 (2)	3 (3)	4 (4)	5 or more (5)
Fridge(s) [_1]	<input type="radio"/>				
Freezer(s) (separated from fridge) [_2]	<input type="radio"/>				
TV(s) [_12]	<input type="radio"/>				
Desktop computer(s) [_16]	<input type="radio"/>				
Laptop(s) [_17]	<input type="radio"/>				
Tablet(s) [_18]	<input type="radio"/>				

elec2_old

Only displayed to “old” (**old** = 1) respondents.

How many of the following devices do you own?

Device numbers in line with **elec1_old**.

	0 (0)	1 (1)	2 (2)	3 (3)	4 (4)	5 or more (5)
Fridge(s) [_1]	<input type="radio"/>					
Freezer(s) (separated from fridge) [_2]	<input type="radio"/>					
TV(s) [_12]	<input type="radio"/>					
Desktop computer(s) [_16]	<input type="radio"/>					
Laptop(s) [_17]	<input type="radio"/>					
Tablet(s) [_18]	<input type="radio"/>					

elec3

Only displayed to “fresh” (**old** = 0) respondents.

What is the energy label of your devices?

If you own several devices in the same category, consider the one you use the most.

Only the relevant choices (i.e., those ticked in **elec1**) are displayed to the respondent.

Device numbers in line with **elec1**.

	A+++ (1)	A++ (2)	A+ (3)	A (4)	B (5)	C or worse (6)	I do not know (-1)
Fridge [_1]	<input type="radio"/>						
Freezer (separated from fridge) [_2]	<input type="radio"/>						
Oven [_28]	<input type="radio"/>						
Dishwasher [_4]	<input type="radio"/>						
Washing machine [_9]	<input type="radio"/>						
Dryer [_10]	<input type="radio"/>						
TV [_12]	<input type="radio"/>						

elec3_old

Only displayed to “old” (**old** = 1) respondents.

What is the energy label of your devices?

If you own several devices in the same category, consider the one you use the most.

Choices “Fridge”, “Freezer” and “TV” are only displayed if the respondent did not indicate 0 for these in **elec2_old**.

Device numbers in line with **elec1_old**.

	A+++ (1)	A++ (2)	A+ (3)	A (4)	B (5)	C or worse (6)	I do not know (-1)	I do not have one (-3)
Fridge [_1]	<input type="radio"/>							
Freezer (separated from fridge) [_2]	<input type="radio"/>							
Oven [_28]	<input type="radio"/>							
Dishwasher [_4]	<input type="radio"/>							
Washing machine [_9]	<input type="radio"/>							
Dryer [_10]	<input type="radio"/>							
TV [_12]	<input type="radio"/>							

elec4

Only displayed to “fresh” (**old** = 0) respondents.

How many times per week do you use...

Only the relevant choices (i.e., those ticked in **elec1**) are displayed to the respondent.

Device numbers in line with **elec1**.

the oven: [_28] _____

the dishwasher: [_4] _____

the washing machine: [_9] _____

the dryer: [_10] _____

elec4_old

Only displayed to “old” (**old** = 1) respondents.

How many times per week do you use...

Only the relevant choices (i.e., those not indicated as “I do not have one” in **elec3_old**) are displayed to the respondent.

Device numbers in line with **elec1_old**.

the oven: [_28] _____

the dishwasher: [_4] _____

the washing machine: [_9] _____

the dryer: [_10] _____

elec5

Only displayed to “fresh” (**old** = 0) respondents.

On average, how many hours per day are the following devices running in your residence?
If you have several devices in the same category, add up usage times of all devices.

Only the relevant choices (i.e., those ticked in **elec1**) are displayed to the respondent.

Device numbers in line with **elec1**.

TV(s): [**_12**] _____

Computer(s)/laptop(s): [**_16_17**] _____

Tablet(s): [**_18**] _____

elec5_old

Only displayed to “old” (**old** = 1) respondents.

On average, how many hours per day are the following devices running in your residence? If you have several devices in the same category, add up usage times of all devices.

Only the relevant choices (i.e., only displayed if the respondent did not indicate 0 for these in **elec2_old**) are displayed to the respondent.

Device numbers in line with **elec1_old**.

TV(s): [**_12**] _____

Computer(s)/laptop(s): [**_16_17**] _____

Tablet(s): [**_18**] _____

elec6

Only displayed to “fresh” (**old** = 0) respondents.

What type of bulbs do you usually use in your residence?

	None (1)	Some (2)	Only (3)
Conventional [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Energy-saving [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
LED [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

intro_bill

The next questions are related to **your electricity consumption and expenses**. It is extremely important for us to have **accurate numbers** in this area. Therefore, if possible, could you please find **your last annual electricity bill** before moving forward?

Thank you very much.

elec7

How much do you pay for electricity (including VAT) during a one year period?

Please use your last annual bill to answer this question.

Amount (CHF): [_1] _____ accepted range: 0-9999.99 (at most four digits + two decimals)

Source: [_2]

- Bill (1)
- Estimation (2)
- does not know (-1)

elec7_warning

Displayed as soon as the respondent clicks on estimation in **elec7**.

Please note: It would really help if you could provide the exact amount stated on your last electricity bill.

elec8

How much electricity do you use during a one year period?

Please use your last annual bill to answer this question.

Amount (kWh): [_1] _____ accepted range: 0-99999.99 (at most five digits + two decimals)

Source: [_2]

- Bill (1)
- Estimation (2)
- does not know (-1)

elec8_warning

Displayed as soon as the respondent clicks on estimation in **elec8**.

Please note: It would really help if you could provide the exact amount stated on your last electricity bill.

elec9

Only displayed if the respondent indicated having used his bill in **elec7**.

How much do you pay for 1 kilowatt hour (kWh) of electricity?

Please indicate the average price stated on your bill.

Price of 1 kWh: (1) _____ accepted range: 0-99.99 (at most two digits + two decimals)

elec10a

Does your electricity mix contain a significant share (over 50%) of renewable energy?

- Yes (1)
- No (0)
- I do not know (-1)

elec10b

Only displayed if the respondent ticked “Yes” in **elec10a**.

Does your electricity mix contain...

Multiple answers possible.

- Hydropower [_1]
- New renewables (solar, wind, biomass, ...) [_2]
- Other (please specify): [_3] _____ (text in **elec10b_3_other**)
- I do not know [_4]

elec10c

Did you change the standard electricity mix offered by your provider?

- Yes, for one more expensive (1)
- Yes, for one less expensive (2)
- No (0)
- I do not know (-1)

elec13

Only displayed to “fresh” (**old** = 0) respondents.

Do you switch off (no standby position) the following electronic devices when you do not use them?

Only the relevant choices (i.e., those ticked in **elec1**) are displayed to the respondent.

Device numbers in line with **elec1**.

	Often (1)	Occasionally (2)	Almost never (3)
TV [_12]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
TV box [_13]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coffee machine [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computer [_16_17]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internet router [_15]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Smartphone [_19]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

elec13_old

Only displayed to "old" (old = 1) respondents.

Do you switch off (no standby position) the following electronic devices when you do not use them?

Choices "TV" and "Computer" are only displayed if the respondent did not indicate 0 for these in elec2_old.

Device numbers in line with elec1_old.

	Often (1)	Occasionally (2)	Almost never (3)	I do not have one (-3)
TV [_12]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
TV box [_13]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coffee machine [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computer [_16_17]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internet router [_15]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Smartphone [_19]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Vignettes (VB)

Data relative to VB are in secondary database SHEDS2017_VB.

vb_intro

In the following pages you will be presented with information about initiatives aiming to reduce household energy consumption.

Please read each text carefully and then decide to which degree you would be willing to participate in the respective initiatives.

vb_1

You receive information from your municipal government to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a group of six to eight people (e.g. friends or neighbours) to discuss how everyone in the group can reduce his/her energy consumption for the good of all. The meetings would take place in your neighbourhood.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_2

You receive information from your local environmental or consumer organisation to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a group of six to eight people (e.g. friends or neighbours) to discuss how everyone in the group can reduce his/her energy consumption for the good of all. The meetings would take place in your neighbourhood.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_3

You receive information from your friend to participate in a local initiative to reduce your household energy consumption. He/she asks you to participate in a group of six to eight people (e.g. friends or neighbours) to discuss how everyone in the group can reduce his/her energy consumption for the good of all. The meetings would take place in your neighbourhood.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_4

You receive information from your municipal government to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a group of six to eight people (e.g. friends or neighbours) to discuss how everyone in the group can reduce his/her energy consumption for the good of all. The communication would be virtual and would take place online or via an App on your mobile phone.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_5

You receive information from a local environmental or consumer organisation to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a group of six to eight people (e.g. friends or neighbours) to discuss how everyone in the group can reduce his/her energy consumption for the good of all. The communication would be virtual and would take place online or via an App on your mobile phone.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_6

You receive information from your friend to participate in a local initiative to reduce your household energy consumption. He/she asks you to participate in a group of six to eight people (e.g. friends or neighbours) to discuss how everyone in the group can reduce his/her energy consumption for the good of all. The communication would be virtual and would take place online or via an App on your mobile phone.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_7

You receive information from your municipal government to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a group of six to eight people (e.g. friends or neighbours) competing either within the group or against other groups to reduce energy consumption the most. The meetings would take place in your neighbourhood.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_8

You receive information from a local environmental or consumer organisation to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a group of six to eight people (e.g. friends or neighbours) competing either within the group or against other groups to reduce energy consumption the most. The meetings would take place in your neighbourhood.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_9

You receive information from your friend to participate in a local initiative to reduce your household energy consumption. He/she asks you to participate in a group of six to eight people (e.g. friends or neighbours) competing either within the group or against other groups to reduce energy consumption the most. The meetings would take place in your neighbourhood.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_10

You receive information from your municipal government to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a group of six to eight people (e.g. friends or neighbours) competing either within the group or against other groups to reduce energy consumption the most. The communication would be virtual and would take place online or via an App on your mobile phone.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_11

You receive information from a local environmental or consumer organisation to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a group of six to eight people (e.g. friends or neighbours) competing either within the group or against other groups to reduce energy consumption the most. The communication would be virtual and would take place online or via an App on your mobile phone.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_12

You receive information from your friend to participate in a local initiative to reduce your household energy consumption. He/she might ask you to participate in a group of six to eight people (e.g. friends or neighbours) competing either within the group or against other groups to reduce energy consumption the most. The communication would be virtual and would take place online or via an App on your mobile phone.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_13

You receive information from your municipal government to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a program where you receive tailored information on how to reduce your personal energy consumption. The consultation would take place in your home.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_14

You receive information from a local environmental or consumer organisation to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a program where you receive tailored information on how to reduce your personal energy consumption. The meetings would take place in your home.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_15

You receive information from your friend to participate in a local initiative to reduce your household energy consumption. He/she asks you to participate in a program where you receive tailored information on how to reduce your personal energy consumption. The consultation would place take in your home.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_16

You receive information from your municipal government to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a program where you receive tailored information on how to reduce your personal energy consumption. The communication would be virtual and would take place online or via an App on your mobile phone.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_17

You receive information from a local environmental or consumer organisations to participate in a local initiative to reduce your household energy consumption. You are asked to participate in a program where you receive tailored information on how to reduce your personal energy consumption. The communication would be virtual and would take place online or via an App on your mobile phone.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_18

You receive information from your friend to participate in a local initiative to reduce your household energy consumption. He/she asks you to participate in a program where you receive tailored information on how to reduce your personal energy consumption. The communication would be virtual and would take place online or via an App on your mobile phone.

To which degree would you be willing to participate in this initiative?

Please move the slider to the position that reflects your willingness to participate.

Willingness to participate: _____ Answer given using a slider ranging from 0 (definitely not) to 100 (definitely) in 10% increments.

vb_post1

Only displayed if the respondent indicated a willingness to participate inferior or equal to 20% to **vb_1 – vb_18**.

You have rejected all of the initiatives that you were offered. Is there a specific reason for this? _____

vb_post2

Only displayed if the respondent indicated a willingness to participate between 40% and 60% to **vb_1 – vb_18**.

Can you imagine any circumstances that would make it more likely that you would participate in such initiatives? _____

vb_post3

Only displayed if the respondent indicated a willingness to participate larger or equal to 80% to **vb_1 – vb_18**.

You have said that you would be very likely to participate in such initiatives. Could you briefly explain what would motivate you to do this? _____

Energy Saving Tariffs CBC (ES)

Data relative to ES are in secondary database SHEDS2017_ES.

escbc_intro1

In the following part of the survey, we will focus on the topic of **saving electricity**.

Households could save **hundreds of Swiss francs a year** in their electricity consumption - often without sacrificing on comfort.

- Did you know that when a lid is used for the **daily boil-up** of 1.5 liters of water, it is possible to save approx. **CHF 24 per year** on electricity costs?
- Did you know that by **hanging dry** your laundry (instead of using an old tumble drier) could save you **43 CHF per year** on electricity costs (assuming only one drying cycle per week)?
- Did you know that replacing an **old refrigerator** with a new model labeled with the efficiency class A+++ could save you about **60 CHF per year** on electricity costs?
- Or did you know that replacing just **one 35 watt halogen lamp** with a **LED light bulb** could save you **13 CHF per year** on electricity costs?

Just those four changes together would result in a **25% reduction** of the average electricity consumption of a typical 2-persons household! There are however many more **possibilities** for reducing your electricity consumption!

Note: A typical 2-person household living in a multi-family house in Switzerland consumes an average of 2,750 kilowatt hours (kWh) per year, which corresponds to an electricity bill of approximately 556 Swiss francs. A typical 4-person household living in a family house consumes about 5,200 kWh per year, which corresponds to an average electricity bill of 1,050 Swiss francs.

Sources:

http://www.bernmittelland.ch/wAssets/docs/themen/energieberatung/haustechnik/20131113_EB_Doku_Stromsparen_Seiten.pdf

http://www.energieeffizienz.ch/dam/ratgeber/2013_energybox_ratgeber_dfi/energybox_ratgeber_bfe_de_201403/energybox_broschuere_bfe_DE_201403.pdf

<https://www.admin.ch/gov/de/start/dokumentation/medienmitteilungen.msg-id-58616.html>

escbc_intro2

Now we would like to investigate your preferences for a new **electricity saving tariff**. Under this new tariff, you would receive a **bonus** if you would achieve to **reduce** your electricity consumption by a certain **percentage** in comparison to last year. You would

benefit from the bonus **in addition** to the realized cost savings that would accrue due to the reduced level in electricity consumption.

On the next pages, we will ask you to choose among different **tariffs** that will differ with regard to 5 characteristics:

Reduction target	<ul style="list-style-type: none"> The tariffs will differ with regard to the percentage (5%, 10% or 15%) that you will need to reduce your household's electricity consumption within 1 year in order to be eligible for the bonus.
Electricity saving bonus	<ul style="list-style-type: none"> The tariffs will differ with regard to the size of the bonus (CHF 50, CHF 100 or CHF 150) that you will receive.
Form of bonus	<ul style="list-style-type: none"> The bonus is provided at the end of the year either in the form of a reduction from the next electricity bill, or in the form of an efficiency voucher, which can be used for buying energy efficient equipment. With some tariffs, alternatively, you will be supplied with certified green electricity from solar plants in your region equivalent to the size of the bonus.
Fine if target is missed	<ul style="list-style-type: none"> For some tariffs, you would need to pay a fine of CHF 25 or CHF 50 in case you miss to achieve the reduction target.
Improved information	<ul style="list-style-type: none"> Some tariffs will provide you with more informative electricity bills, which include historical consumption data, feedback on how you compare to similar households, and electricity-saving tips. Some tariffs also provide you with an in-home display unit that will give you real-time electricity consumption feedback. This allows you to monitor whether you are on track with achieving your saving target.

The respondent is randomly assigned to 1 of 20 blocks of 8 choice tasks **CBC1** to **CBC20**.

CBC1 to CBC20

escbc1_1

Which of the following three tariff options would you prefer most?

Please note: When you scroll over the specific characteristics of the electricity tariffs, you will be provided with additional information.

1 of 8

	Option 1	Option 2	Option 3
Reduction target	5%	10%	15%
Electricity saving bonus	100 CHF	150 CHF	50 CHF
Form of bonus	Direct reduction from bill	Efficiency voucher	Solar electricity
Fine if target is missed	50 CHF	25 CHF	(-)
Improved information	(-)	Improved billing and in-home display unit	Improved billing

	1 (1)	2 (2)	3 (3)
Which option do you prefer?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

esnone1_1

If your utility provider would offer you the tariff that you have chosen above in real life, would you be willing to subscribe to such a tariff?

- Yes, very likely (1)
- No, very unlikely (0)

... (in total 20 blocks of 8 choice tasks)

escbc20_8

Which of the following three tariff options would you prefer most?

Please note: When you scroll over the specific characteristics of the electricity tariffs, you will be provided with additional information.

8 of 8

	Option 1	Option 2	Option 3
Reduction target	5%	15%	10%
Electricity saving bonus	50 CHF	150 CHF	100 CHF
Form of bonus	Efficiency voucher	Direct reduction from bill	Solar electricity
Fine if target is missed	(-)	50 CHF	25 CHF
Improved information	Improved billing	Improved billing and in-home display unit	(-)

	1 (1)	2 (2)	3 (3)
Which option do you prefer?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

esnone20_8

If your utility provider would offer you the tariff that you have chosen above in real life, would you be willing to subscribe to such a tariff?

- Yes, very likely (1)
- No, very unlikely (0)

ESCBC: post-experiment question

escbc_post

Imagine that an introduction of a grid surcharge is currently under discussion. The grid surcharge would lead to an increase of the electricity bill of every electricity customer in Switzerland. The grid surcharge would be used to create a fund, which would then be used to finance the payment of a bonus to the households that achieve a certain electricity reduction target.

Would you support the introduction of such a grid surcharge? If yes, which amount would you be willing to pay per year for your household?

- I would not accept paying such a grid surcharge via the electricity bill. (0)
- I would accept paying a grid surcharge of (1) _____ (text in **escbc_post_amount**)

Status quo (SQ)

Data relative to SQ are in secondary database SHEDS2017_SQ.

The respondent is randomly allocated to 1 of 10 groups (**condition**: 1, 1_d, 2, 2_d, 3, 3_d, 4, 4_d, 5, 5_d) and displayed only the corresponding questions.

Condition 1

sq_intro1

Now please imagine that you are about to opt for a new electricity tariff offered by your utility provider.

Besides the basic electricity tariff, your provider has also introduced a new electricity tariff called "Bonus tariff" that aims at reducing your households' electricity consumption.

Calculation example for the BONUS TARIFF if you reach your savings target of 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you lower your consumption by 10% and spend only about CHF 810 on electricity costs.
- In addition, you receive a bonus of CHF 100 at the end of the year.

sq_choice1

If these were the only options presented to you, which of the following two options would you choose?

Bonus tariff	Basic electricity tariff
If you reduce your consumption by at least 10% in 2017 as compared to last year, you SAVE an additional CHF 100 on your next bill. Electricity Mix: Hydropower Estimated monthly price: CHF 75*	 Electricity Mix: Hydropower Estimated monthly price: CHF 75*
*Estimated price is based on average annual electricity consumption in private 2-3 persons households.	*Estimated price is based on average annual electricity consumption in private 2-3 persons households.
<input type="radio"/> (1)	<input type="radio"/> (2)

Condition 1d

sq_intro1d

Now please imagine that you are about to opt for a new electricity tariff offered by your utility provider.

Besides the basic electricity tariff, your provider has also introduced a new electricity tariff called "Bonus tariff" that aims at reducing your households' electricity consumption.

Calculation example for the BONUS TARIFF if you reach your savings target of 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you lower your consumption by 10% and spend only about CHF 810 on electricity costs.
- In addition, you receive a bonus of CHF 100 at the end of the year.

sq_choice1d

If these were the only options presented to you, which of the following two options would you choose?

Bonus tariff	Basic electricity tariff
If you reduce your consumption by at least 10% in 2017 as compared to last year, you SAVE an additional CHF 100 on your next bill. Electricity Mix: Hydropower Estimated monthly price: CHF 75*	Electricity Mix: Hydropower Estimated monthly price: CHF 75*
*Estimated price is based on average annual electricity consumption in private 2-3 persons households.	*Estimated price is based on average annual electricity consumption in private 2-3 persons households.
<input type="radio"/> (1)	<input type="radio"/> (2)

Condition 2

sq_intro2

Now please imagine that you are about to opt for a new electricity tariff offered by your utility provider.

Besides the basic electricity tariff, your provider has also introduced a new electricity tariff called "Malus tariff" that aims at reducing your households' electricity consumption.

Calculation example for the MALUS TARIFF if you do not reach your savings target of 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you do not lower your consumption by 10% and spend about CHF 900 on electricity costs.
- In addition, you have to pay CHF 50 at the end of the year.

sq_choice2

If these were the only options presented to you, which of the following two options would you choose?

Malus tariff	Basic electricity tariff
If you do not reduce your consumption by at least 10% in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill. Electricity Mix: Hydropower Estimated monthly price: CHF 75*	Electricity Mix: Hydropower Estimated monthly price: CHF 75*
*Estimated price is based on average annual electricity consumption in private 2-3 persons households.	*Estimated price is based on average annual electricity consumption in private 2-3 persons households.
<input type="radio"/> (1)	<input type="radio"/> (2)

Condition 2d

sq_intro2d

Now please imagine that you are about to opt for a new electricity tariff offered by your utility provider.

Besides the basic electricity tariff, your provider has also introduced a new electricity tariff called "Malus tariff" that aims at reducing your households' electricity consumption.

Calculation example for the MALUS TARIFF if you do not reach your savings target of 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you do not lower your consumption by 10% and spend about CHF 900 on electricity costs.
- In addition, you have to pay CHF 50 at the end of the year.

sq_choice2d

If these were the only options presented to you, which of the following two options would you choose?

Malus tariff	Basic electricity tariff
<p>If you do not reduce your consumption by at least 10% in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill.</p> <p>Electricity Mix: Hydropower Estimated monthly price: CHF 75*</p>	<p>Electricity Mix: Hydropower Estimated monthly price: CHF 75*</p>
<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>	<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>
<p><input type="radio"/> (1)</p>	<p><input type="radio"/> (2)</p>

Group3

sq_intro3

Now please imagine that you are about to opt for a new electricity tariff offered by your utility provider.

Besides the basic electricity tariff, your provider has also introduced a new electricity tariff called "Malus tariff" that aims at reducing your households' electricity consumption.

Calculation example for the MALUS TARIFF if you increase your consumption by 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you increase your consumption by more than 10% and spend about CHF 990 on electricity costs.
- In addition, you have to pay CHF 50 at the end of the year.

sq_choice3

If these were the only options presented to you, which of the following two options would you choose?

Malus tariff	Basic electricity tariff
If you increase your consumption by above 10% more in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill. Electricity Mix: Hydropower Estimated monthly price: CHF 75*	 Electricity Mix: Hydropower Estimated monthly price: CHF 75*
*Estimated price is based on average annual electricity consumption in private 2-3 persons households.	*Estimated price is based on average annual electricity consumption in private 2-3 persons households.
<input type="radio"/> (1)	<input type="radio"/> (2)

Condition 3d

sq_intro3d

Now please imagine that you are about to opt for a new electricity tariff offered by your utility provider.

Besides the basic electricity tariff, your provider has also introduced a new electricity tariff called "Malus tariff" that aims at reducing your households' electricity consumption.

Calculation example for the MALUS TARIFF if you increase your consumption by 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you increase your consumption by more than 10% and spend about CHF 990 on electricity costs.
- In addition, you have to pay CHF 50 at the end of the year.

sq_choice3d

If these were the only options presented to you, which of the following two options would you choose?

Malus tariff	Basic electricity tariff
If you increase your consumption by above 10% more in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill. Electricity Mix: Hydropower Estimated monthly price: CHF 75*	 Electricity Mix: Hydropower Estimated monthly price: CHF 75*
*Estimated price is based on average annual electricity consumption in private 2-3 persons households.	*Estimated price is based on average annual electricity consumption in private 2-3 persons households.
<input type="radio"/> (1)	<input type="radio"/> (2)

Condition 4

sq_intro4

Now please imagine that you are about to opt for a new electricity tariff offered by your utility provider.

Besides the basic electricity tariff, your provider has also introduced a new electricity tariff called "Bonus-Malus tariff" that aims at reducing your households' electricity consumption.

Calculation example for the BONUS-MALUS TARIFF if you reach your saving target of 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you lower your consumption by 10% and spend only about CHF 810 on electricity costs.
- In addition, you receive a bonus of CHF 100 at the end of the year.

Calculation example for BONUS-MALUS TARIFF if you do not reach your savings target of 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you do not lower your consumption by 10% and spend about CHF 900 on electricity costs.
- In addition, you have to pay CHF 50 at the end of the year.

sq_choice4

If these were the only options presented to you, which of the following two options would you choose?

Bonus-Malus tariff	Basic electricity tariff
<p>If you reduce your consumption by at least 10% in 2017 as compared to last year, you SAVE an additional CHF 100 on your next bill.</p> <p>If you do not reduce your consumption by at least 10% in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill.</p> <p>Electricity Mix: Hydropower Estimated monthly price: CHF 75*</p>	<p>Electricity Mix: Hydropower Estimated monthly price: CHF 75*</p>
<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>	<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>
<input type="radio"/> (1)	<input type="radio"/> (2)

Condition 4d

sq_intro4d

Now please imagine that you are about to opt for a new electricity tariff offered by your utility provider.

Besides the basic electricity tariff, your provider has also introduced a new electricity tariff called "Bonus-Malus tariff" that aims at reducing your households' electricity consumption.

Calculation example for the BONUS-MALUS TARIFF if you reach your saving target of 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you lower your consumption by 10% and spend only about CHF 810 on electricity costs.
- In addition, you receive a bonus of CHF 100 at the end of the year.

Calculation example for BONUS-MALUS TARIFF if you do not reach your savings target of 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you do not lower your consumption by 10% and spend about CHF 900 on electricity costs.
- In addition, you have to pay CHF 50 at the end of the year.

sq_choice4d

If these were the only options presented to you, which of the following two options would you choose?

Bonus-Malus tariff	Basic electricity tariff
<p>If you reduce your consumption by at least 10% in 2017 as compared to last year, you SAVE an additional CHF 100 on your next bill.</p> <p>If you do not reduce your consumption by at least 10% in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill.</p> <p>Electricity Mix: Hydropower Estimated monthly price: CHF 75*</p>	<p>Electricity Mix: Hydropower Estimated monthly price: CHF 75*</p>
<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>	<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>
<p><input type="radio"/> (1)</p>	<p><input type="radio"/> (2)</p>

Condition 5

sq_intro5

Now please imagine that you are about to opt for a new electricity tariff offered by your utility provider.

Besides the basic electricity tariff, your provider has also introduced a new electricity tariff called "Bonus-Malus tariff" that aims at reducing your households' electricity consumption.

Calculation example for the BONUS-MALUS TARIFF if you reach your saving target of 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you lower your consumption by 10% and spend only about CHF 810 on electricity costs.
- In addition, you receive a bonus of CHF 100 at the end of the year.

Calculation example for BONUS-MALUS TARIFF if you increase your consumption by 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you increase your consumption by more than 10% and spend about CHF 990 on electricity costs.
- In addition, you have to pay CHF 50 at the end of the year.

sq_choice5

If these were the only options presented to you, which of the following two options would you choose?

Bonus-Malus tariff	Basic electricity tariff
<p>If you reduce your consumption by at least 10% in 2017 as compared to last year, you SAVE an additional CHF 100 on your next bill.</p> <p>If you increase your consumption by above 10% more in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill.</p> <p>Electricity Mix: Hydropower Estimated monthly price: CHF 75*</p>	<p>Electricity Mix: Hydropower Estimated monthly price: CHF 75*</p>
<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>	<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>
<input type="radio"/> (1)	<input type="radio"/> (2)

Condition 5d

sq_intro5d

Now please imagine that you are about to opt for a new electricity tariff offered by your utility provider.

Besides the basic electricity tariff, your provider has also introduced a new electricity tariff called "Bonus-Malus tariff" that aims at reducing your households' electricity consumption.

Calculation example for the BONUS-MALUS TARIFF if you reach your saving target of 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you lower your consumption by 10% and spend only about CHF 810 on electricity costs.
- In addition, you receive a bonus of CHF 100 at the end of the year.

Calculation example for BONUS-MALUS TARIFF if you increase your consumption by 10%:

- In 2016, your annual electricity bill was CHF 900 (CHF 75/month).
- In 2017, you increase your consumption by more than 10% and spend about CHF 990 on electricity costs.
- In addition, you have to pay CHF 50 at the end of the year.

sq_choice5d

If these were the only options presented to you, which of the following two options would you choose?

Bonus-Malus tariff	Basic electricity tariff
<p>If you reduce your consumption by at least 10% in 2017 as compared to last year, you SAVE an additional CHF 100 on your next bill.</p> <p>If you increase your consumption by above 10% more in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill.</p> <p>Electricity Mix: Hydropower Estimated monthly price: CHF 75*</p>	<p>Electricity Mix: Hydropower Estimated monthly price: CHF 75*</p>
<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>	<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>
<input type="radio"/> (1)	<input type="radio"/> (2)

Emotions

sq_emo1

Only displayed to respondents assigned to conditions 1 and 1d.

Thinking about the tariffs just presented to you, to what extent do you feel:

Bonus tariff
<p>If you reduce your consumption by at least 10% in 2017 as compared to last year, you SAVE an additional CHF 100 on your next bill.</p> <p>Electricity Mix: Hydropower</p> <p>Estimated monthly price: CHF 75*</p>
<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>

	Not at all 1 (1)	2 (2)	3 (3)	4 (4)	Absolutely 5 (5)
Upset [_upset]	<input type="radio"/>				
Hostile [_hostile]	<input type="radio"/>				
Alert [_alert]	<input type="radio"/>				
Ashamed [_ashamed]	<input type="radio"/>				
Inspired [_inspired]	<input type="radio"/>				
Nervous [_nervous]	<input type="radio"/>				
Determined [_determined]	<input type="radio"/>				
Attentive [_attentive]	<input type="radio"/>				
Afraid [_afraid]	<input type="radio"/>				
Active [_active]	<input type="radio"/>				

sq_emo2

Only displayed to respondents assigned to conditions 2 and 2d.

Thinking about the tariffs just presented to you, to what extent do you feel:

<p>Malus tariff</p> <p>If you do not reduce your consumption by at least 10% in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill.</p> <p>Electricity Mix: Hydropower</p> <p>Estimated monthly price: CHF 75*</p>
<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>

	Not at all 1 (1)	2 (2)	3 (3)	4 (4)	Absolutely 5 (5)
Upset [_upset]	<input type="radio"/>				
Hostile [_hostile]	<input type="radio"/>				
Alert [_alert]	<input type="radio"/>				
Ashamed [_ashamed]	<input type="radio"/>				
Inspired [_inspired]	<input type="radio"/>				
Nervous [_nervous]	<input type="radio"/>				
Determined [_determined]	<input type="radio"/>				
Attentive [_attentive]	<input type="radio"/>				
Afraid [_afraid]	<input type="radio"/>				
Active [_active]	<input type="radio"/>				

sq_emo3

Only displayed to respondents assigned to conditions 3 and 3d.

Thinking about the tariffs just presented to you, to what extent do you feel:

Malus tariff
<p>If you increase your consumption by above 10% more in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill.</p> <p>Electricity Mix: Hydropower</p> <p>Estimated monthly price: CHF 75*</p>
<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>

	Not at all 1 (1)	2 (2)	3 (3)	4 (4)	Absolutely 5 (5)
Upset [_upset]	<input type="radio"/>				
Hostile [_hostile]	<input type="radio"/>				
Alert [_alert]	<input type="radio"/>				
Ashamed [_ashamed]	<input type="radio"/>				
Inspired [_inspired]	<input type="radio"/>				
Nervous [_nervous]	<input type="radio"/>				
Determined [_determined]	<input type="radio"/>				
Attentive [_attentive]	<input type="radio"/>				
Afraid [_afraid]	<input type="radio"/>				
Active [_active]	<input type="radio"/>				

sq_emo4

Only displayed to respondents assigned to conditions 3 and 3d.

Thinking about the tariffs just presented to you, to what extent do you feel:

Bonus-Malus tariff
<p>If you reduce your consumption by at least 10% in 2017 as compared to last year, you SAVE an additional CHF 100 on your next bill.</p> <p>If you do not reduce your consumption by at least 10% in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill.</p> <p>Electricity Mix: Hydropower</p> <p>Estimated monthly price: CHF 75*</p>
<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>

	Not at all 1 (1)	2 (2)	3 (3)	4 (4)	Absolutely 5 (5)
Upset [_upset]	<input type="radio"/>				
Hostile [_hostile]	<input type="radio"/>				
Alert [_alert]	<input type="radio"/>				
Ashamed [_ashamed]	<input type="radio"/>				
Inspired [_inspired]	<input type="radio"/>				
Nervous [_nervous]	<input type="radio"/>				
Determined [_determined]	<input type="radio"/>				
Attentive [_attentive]	<input type="radio"/>				
Afraid [_afraid]	<input type="radio"/>				
Active [_active]	<input type="radio"/>				

sq_emo5

Only displayed to respondents assigned to conditions 5 and 5d.

Thinking about the tariffs presented to you, to what extent do you feel:

Bonus-Malus tariff
<p>If you reduce your consumption by at least 10% in 2017 as compared to last year, you SAVE an additional CHF 100 on your next bill.</p> <p>If you increase your consumption by above 10% more in 2017 as compared to last year, you PAY an additional CHF 50 on your next bill.</p> <p>Electricity Mix: Hydropower</p> <p>Estimated monthly price: CHF 75*</p>
<p>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</p>

	Not at all 1 (1)	2 (2)	3 (3)	4 (4)	Absolutely 5 (5)
Upset [_upset]	<input type="radio"/>				
Hostile [_hostile]	<input type="radio"/>				
Alert [_alert]	<input type="radio"/>				
Ashamed [_ashamed]	<input type="radio"/>				
Inspired [_inspired]	<input type="radio"/>				
Nervous [_nervous]	<input type="radio"/>				
Determined [_determined]	<input type="radio"/>				
Attentive [_attentive]	<input type="radio"/>				
Afraid [_afraid]	<input type="radio"/>				
Active [_active]	<input type="radio"/>				

sq_emocontrol

Thinking about the tariffs presented to you, to what extent do you feel:

Basic electricity tariff
Electricity Mix: Hydropower Estimated monthly price: CHF 75*
<small>*Estimated price is based on average annual electricity consumption in private 2-3 persons households.</small>

	Not at all 1 (1)	2 (2)	3 (3)	4 (4)	Absolutely 5 (5)
Upset [_upset]	<input type="radio"/>				
Hostile [_hostile]	<input type="radio"/>				
Alert [_alert]	<input type="radio"/>				
Ashamed [_ashamed]	<input type="radio"/>				
Inspired [_inspired]	<input type="radio"/>				
Nervous [_nervous]	<input type="radio"/>				
Determined [_determined]	<input type="radio"/>				
Attentive [_attentive]	<input type="radio"/>				
Afraid [_afraid]	<input type="radio"/>				
Active [_active]	<input type="radio"/>				

Optimism

sq_optself1

Only displayed to respondents assigned to conditions 1, 1d, 2, 2d, 4 and 4d.

In general, how likely do you think it is, that you reduce your electricity consumption by about 10% as compared to the year before?

- Very unlikely (1)
- Unlikely (2)
- Rather unlikely (3)
- Neither nor (4)
- Rather likely (5)
- Likely (6)
- Very likely (7)

sq_optother1

Only displayed to respondents assigned to conditions 1, 1d, 2, 2d, 4 and 4d.

In general, how likely do you think it is, that a typical person (of your age, sex, and background) reduces electricity consumption by about 10% as compared to the year before?

- Very unlikely (1)
- Unlikely (2)
- Rather unlikely (3)
- Neither nor (4)
- Rather likely (5)
- Likely (6)
- Very likely (7)

sq_optself2

Only displayed to respondents assigned to conditions 3, 3d, 5, 5d.

In general, how likely do you think it is, that you avoid increasing your electricity consumption by more than 10% as compared to the year before?

- Very unlikely (1)
- Unlikely (2)
- Rather unlikely (3)
- Neither nor (4)
- Rather likely (5)
- Likely (6)
- Very likely (7)

sq_optother2

Only displayed to respondents assigned to conditions 3, 3d, 5, 5d.

In general, how likely do you think it is, that a typical person (of your age, sex, and background) avoids increasing electricity consumption by more than 10% as compared to the year before?

- Very unlikely (1)
- Unlikely (2)
- Rather unlikely (3)
- Neither nor (4)
- Rather likely (5)
- Likely (6)
- Very likely (7)

Gamble task

sq_lottery

Now, please imagine the following situation: You can participate in a game in which a coin is tossed.

With a probability of 50% “tail” appears and you get paid CHF 6.

With a probability of 50% “head” appears and you have to pay some amount in CHF.

Both outcomes are equally likely to happen.

In which of the following games would you take part?

	Accept (1)	Reject (0)
If the coin turns up heads, then you lose CHF 2; if the coin turns up tails, you win CHF 6. [_1]	<input type="radio"/>	<input type="radio"/>
If the coin turns up heads, then you lose CHF 3; if the coin turns up tails, you win CHF 6. [_2]	<input type="radio"/>	<input type="radio"/>
If the coin turns up heads, then you lose CHF 4; if the coin turns up tails, you win CHF 6. [_3]	<input type="radio"/>	<input type="radio"/>
If the coin turns up heads, then you lose CHF 5; if the coin turns up tails, you win CHF 6. [_4]	<input type="radio"/>	<input type="radio"/>
If the coin turns up heads, then you lose CHF 6; if the coin turns up tails, you win CHF 6. [_5]	<input type="radio"/>	<input type="radio"/>
If the coin turns up heads, then you lose CHF 7; if the coin turns up tails, you win CHF 6. [_6]	<input type="radio"/>	<input type="radio"/>

Mobility (mob1 to mob14)

mob1

How many public transport tickets of each type does your household own?

	0 (0)	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)	6 (6)	7 (7)	8 (8)	9 (9)	10 or more (10)
GA travel card(s) [_1]	<input type="radio"/>										
Half-fare travel card(s) [_2]	<input type="radio"/>										
Regional travel card(s) [_3]	<input type="radio"/>										

mob2

How many vehicles of each type does your household own?

	0 (0)	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)	6 (6)	7 (7)	8 (8)	9 (9)	10 or more (10)
Car(s) [_1]	<input type="radio"/>										
Motorbike(s) [_2]	<input type="radio"/>										
Bike(s) [_3]	<input type="radio"/>										
E-bike(s) [_4]	<input type="radio"/>										

If car = 0, jump to **mob11**.

mob3_change

Only displayed to “old” respondents (**old** = 1) who did not indicate 0 car in **mob2**.

In the last 12 months, have you changed the car you use the most?

- Yes (1)
- No (0)

If “No”, **mob3** to **mob5** are jumped.

mob3

Not displayed to “old” respondents (**old** = 1) who did not change cars (**mob3_change** = 0).

Please indicate the characteristics of your car.

If you own several cars, consider the main (most used) car. If your car does not appear in the list, leave the fields blank and specify these items in the next question.

Manufacturer: [**_1**] (text variable)

Model: [**_2**] (text variable)

Engine: [**_3**]

- Gasoline (1)
- Diesel (2)
- Natural gas (3)
- E85 (4)
- Electric (including hybrid) (5)

Transmission: [**_4**]

- Manual (1)
- Automatic (2)

Number of doors: [**_5**]

mob3b

Not displayed to “old” respondents (**old** = 1) who did not change cars (**mob3_change** = 0).

Enter here the characteristics of your car if they do not appear in the list above (= list proposed in **mob3**).

_____ (text variable)

mob4

Not displayed to “old” respondents (**old** = 1) who did not change cars (**mob3_change** = 0).

When did you purchase the car?

Year [**_1**]: yyyy if ≥ 1990 , before 1990 (1989), I do not know (-1)

Month [**_2**]: Jan (1), ..., Dec (12), I do not know (-1)

mob5

Not displayed to “old” respondents (**old** = 1) who did not change cars (**mob3_change** = 0).

When was the car registered for the first time?

Year [**_1**]: yyyy if ≥ 1990 , before 1990 (1989), I do not know (-1)

Month [**_2**]: Jan (1), ..., Dec (12), I do not know (-1)

mob15

How much did you spend for purchasing your car?

Give your best estimation. (Only integers, no decimals)

CHF _____ accepted range: 1-999999 (at most 6 digits, no decimals)

mob6

Not displayed to “old” respondents (**old** = 1) who did not change cars (**mob3_change** = 0).

When you purchased the car, how many kilometers did the odometer read?

Give your best estimation. (Only integers, no decimals).

km: _____ accepted range: 1-999999 (at most 6 digits, no decimals)

mob7

Currently, how many kilometers does the odometer read?

Give your best estimation. (Only integers, no decimals)

km: _____ accepted range: km at time of purchase (**mob6**)-999999 (at most 6 digits, no decimals)

mob7a

On average, how many kilometers do you drive per year?

- Up to 5,000 (1)
- Up to 10,000 (2)
- Up to 15,000 (3)
- Up to 20,000 (4)
- Up to 25,000 (5)
- Up to 30,000 (6)
- Up to 35,000 (7)
- Up to 40,000 (8)
- Up to 45,000 (9)
- Up to 50,000 (10)
- More than 50,000 (11)
- I do not know (-1)

mob7b

In an average month, how much do you spend on fuel?

Give your best estimation. (Only integers, no decimals)

CHF _____ accepted range: 1-9999 (at most 4 digits, no decimals)

mob9

In your experience, how much does the car consume over 100km?

Give your best estimation.

If consumption for your car is not provided in liters (but for example in kg of natural gas or in kWh of electricity), please use the second field and specify the type of fuel used.

- L/100km: [_1] _____ accepted range: 1-99.9 (at most 2 digits + 1 decimal)
- Other units (please specify the units): [_2] _____

mob10

What is the energy label of the car?

- A (1)
- B (2)
- C (3)
- D (4)
- E (5)
- F (6)
- G (7)
- I do not know (-1)

mob10a

How many grams of CO₂ emissions does your car generate per km?

Give your best estimation.

gCO₂/km: _____ accepted range: # ≥ 0.

mob10b

Do you know how much you are paying as annual registration tax for your car?

- Yes: (1) CHF: _____ (amount in **mob10b_tax**, accepted range: # ≥ 0)
- No (0)

mob10c

Do you know if, in your canton, the annual registration tax depends on the level of fuel efficiency of the cars?

- Yes, it depends on the fuel efficiency. (1)
- No, it does not depend on the fuel efficiency. (0)
- I do not know (-1)

mob11a

What mode of transportation do you mainly use for going from home to work?

- Private car (1) Only displayed if car>0 in **mob2**.
- Car sharing (2)
- Motorbike (7) New item in SHEDS 2017
- Public transportation (3)
- Soft mobility (bike, foot, ...) (4)
- Other (specify): (5) _____ (text in **mob11a_other**)
- I work from home (8) New item in SHEDS 2017
- I do not work (6)

mob12a

What mode of transportation do you mainly use for leisure activities?

- Private car (1) Only displayed if car>0 in **mob2**.
- Car sharing (2)
- Motorbike (7) New item in SHEDS 2017
- Public transportation (3)
- Soft mobility (bike, foot, ...) (4)
- Other (specify): (5) _____ (text in **mob12a_other**)

mob13

Over the last 12 months, how many times did you travel by plane for personal reasons?

A round trip = 1 and includes stopovers.

	0 (0)	1 (1)	2 (2)	3 (3)	4 (4)	5 or more (5)
Short or middle distance [_1]	<input type="radio"/>					
Long distance [_2]	<input type="radio"/>					

mob14

Over the last 12 months, how much have you spent on air travel for personal reasons?

Only displayed if the respondent indicated at least 1 travel in **mob13**.

CHF: _____

Psychological attitudes (psy1 to psy8)

psy1

Only displayed to “fresh” respondents (**old** = 0).

In the following, we refer to environmentally friendly acts when a behavior has as little negative impact as possible on the environment or when it even has a positive impact on the environment.

We ask you to report your feelings when you or other persons act in an environmentally friendly (+) or unfriendly (-) manner. Please rate the extent to which you agree with the following statements.

	Totally disagree 1 (1)	2 (2)	3 (3)	4 (4)	Totally agree 5 (5)
I feel PROUD when I act in an environmentally friendly manner. [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel HAPPY when I conserve or avoid wasting natural resources. [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel GUILTY when I harm the environment. [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel APPRECIATION towards others when they act in an environmentally friendly manner. [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel WARM towards others when they conserve or avoid wasting natural resources. [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel CONTENT when I act in an environmentally friendly manner. [_6]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel INDIGNANT when others act in an environmentally unfriendly manner. [_7]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel REGRET when I waste natural resources. [_8]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel ANGRY when others act in an environmentally unfriendly manner. [_9]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel ASHAMED when I act in an environmentally unfriendly manner. [_10]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel DISGUSTED when others waste natural resources. [_11]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel POSITIVE towards others when they act environmentally friendly. [_12]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

psy2

Only displayed to “fresh” respondents (old = 0).

In the following, we ask you to report your feelings when you are pushed or forced to act environmentally friendly or unfriendly.

Examples:

- A friend wants you to take the bike instead of your car for commuting.
- You want to recycle a plastic bottle but no appropriate garbage bin is available.

Please rate the extent to which you agree with the following statements.

	Totally disagree 1 (1)	2 (2)	3 (3)	4 (4)	Totally agree 5 (5)
I feel FRUSTRATED when I would like to act environmentally friendly, but external circumstances prevent me from doing so. [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel ANGRY when efforts to protect the environment constrict my freedom. [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel ANNOYED when others try to convince me to act in a more environmentally friendly manner. [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel DISSATISFIED when I intend to conserve natural resources, but external circumstances prevent me from doing so. [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel HOSTILE when I am forced to act in a more environmentally friendly manner. [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel ANGRY when external circumstances force me to act in an environmentally unfriendly manner. [_6]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

psy3

Only displayed to “fresh” respondents (**old = 0**).

In the following, we ask you to report your feelings to the environment and potential environmental change.

Please rate the extent to which you agree with the following statements.

	Totally disagree 1 (1)	2 (2)	3 (3)	4 (4)	Totally agree 5 (5)
I feel GRATEFUL for our planet and its nature. [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel WORRIED about the future of our nature. [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel AWE for our planet and its nature. [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel ANXIOUS when I think about the future of our planet. [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel SAD about how mankind treats nature. [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often feel OVERWHELMED by the beauty of nature. [_6]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

psy4

In the following you will find 16 values. Behind each value there is a short explanation concerning the meaning of the value. Please rate how important each value is for you as a guiding principle in your life.

Your scores can vary from 1 to 5. The higher the number, the more important the value is as a guiding principle in your life. Try to distinguish as much as possible between the values by using all the scores.

	Not important 1 (1)	2 (2)	3 (3)	4 (4)	Extremely important 5 (5)
EQUALITY: equal opportunity for all [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
RESPECTING THE EARTH: harmony with other species [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SOCIAL POWER: control over others, dominance [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PLEASURE: joy, gratification of desires [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UNITY WITH NATURE: fitting into nature [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A WORLD AT PEACE: free of war and conflict [_6]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
WEALTH: material possessions, money [_7]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AUTHORITY: the right to lead or command [_8]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SOCIAL JUSTICE: correcting injustice, care for the weak [_9]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ENJOYING LIFE: enjoying food, sex, leisure, etc. [_10]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PROTECTING THE ENVIRONMENT: preserving nature [_11]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
INFLUENTIAL: having an impact on people and events [_12]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
HELPFUL: working for the welfare of others [_13]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PREVENTING POLLUTION: protecting natural resources [_14]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SELF-INDULGENT: doing pleasant things [_15]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AMBITIOUS: hard-working, aspiring [_16]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

psy5a

Please rate the extent to which you agree with the following statements.

	Totally disagree 1 (1)	2 (2)	3 (3)	4 (4)	Totally agree 5 (5)
The members in my household expect that I behave in an environmentally friendly manner. [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that most of my acquaintances behave in an environmentally friendly manner whenever it is possible. [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Most of my acquaintances expect that I behave in an environmentally friendly manner. [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel personally obliged to behave in an environmentally friendly manner as much as possible. [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

psy6

Only displayed to “fresh” respondents (old = 0).

Please rate the extent to which you agree with the following statements.

	Totally disagree 1 (1)	2 (2)	3 (3)	4 (4)	Totally agree 5 (5)
I know how to behave environmentally friendly. [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is easy to conserve and to avoid wasting natural resources. [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can participate in behaviors to protect the environment if I really want to. [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I will take steps to adopt environmentally friendly behaviors even if it causes daily inconveniences. [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acting environmentally friendly is effective to protect our planet and its nature. [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acting environmentally friendly will help to prevent the consequences of global warming for our planet and its inhabitants. [_6]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acting environmentally friendly will contribute to save our natural resources. [_7]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

psy7

Only displayed to “fresh” respondents (**old = 0**).

Financially, do you usually take risks?

- Not at all 1 (1)
- 2 (2)
- 3 (3)
- 4 (4)
- Very much 5 (5)

psy8

In the next 12 months, are you planning on reducing your...

	Very unlikely 1 (1)	Unlikely 2 (2)	Neither likely nor unlikely 3 (3)	Likely 4 (4)	Very likely 5 (5)
electricity consumption [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
heating consumption [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
car usage [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
carbon footprint [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Social performance (soc1 to soc3)

soc1

Only displayed to “fresh” respondents (**old = 0**).

Please respond to each description in what respect it applies to your conduct of life.

	Does not apply at all (1)	Does not apply (2)	Applies somewhat (3)	Applies fully (4)
I cultivate an upscale standard of life. [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I live according to religious principles. [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I hold on my family’s old traditions. [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enjoy my life to the full. [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I go out much. [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My life pleases me especially well when a lot of activities is going on. [_6]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

soc2

Only displayed to “fresh” respondents (**old** = 0).

How often do you perform the following leisure activities?

	Never (1)	Seldom (2)	Sometimes (3)	Often (4)
Visiting art exhibitions or galleries. [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reading books. [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reading a regional newspaper such as 20 minutes. [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reading a nationwide newspaper such as NZZ. [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

soc3

Only displayed to “fresh” respondents (**old** = 0).

If you go out to have a really good dinner, how much do you spend per person (including everything) at most?

CHF: _____ accepted range: 0-9999 (at most 4 digits, no decimal)

Habits and routines (soc4 to soc5)

soc4a

Please indicate the extent to which you agree with the following statements.

	Strongly Disagree (1)	Disagree (2)	Neither Agree nor Disagree (3)	Agree (4)	Strongly Agree (5)
When I am cold, turning up the heating is something...					
I do automatically [_1a]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do without having to consciously remember [_1b]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do without thinking [_1c]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I start doing before I realize I am doing it [_1d]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When I am taking a shower, turning off the water while soaping up is something...					
I do automatically [_3a]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do without having to consciously remember [_3b]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do without thinking [_3c]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I start doing before I realize I am doing it [_3d]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Saving electricity (e.g., through switching off lights or stand-by mode) is something...					
I do automatically [_4a]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do without having to consciously remember [_4b]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do without thinking [_4c]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I start doing before I realize I am doing it [_4d]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

soc5

Only displayed to “fresh” respondents (old = 0).

How important is the following to you?

	Not at all important (1)	Not important (2)	Indifferent (3)	Important (4)	Very Important (5)
Heat your flat enough to not have to wear a pullover in winter [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Live in a large apartment [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Take several bathes per week [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Take long showers [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Leave your appliances in standby when not in use [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wear fresh clothes every day [_6]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Make holidays in faraway countries [_7]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Live close to place of work [_8]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Have your own car [_9]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
items 10 and 11 have been dropped					
Have your own tools and appliances [_12]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air regularly in the winter [_13]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Social context (soc6 to soc11)**soc6**

Only displayed to “fresh” respondents (old = 0).

Regarding energy and saving energy, how strongly do you trust information provided by the following people?

	Not at all 1 (1)	2 (2)	3 (3)	4 (4)	Very strongly 5 (5)	I do not know (-1)
Family, friends or colleagues [_1]	<input type="radio"/>	<input type="radio"/>				
Neighbors [_2]	<input type="radio"/>	<input type="radio"/>				
Swiss Federal Office of Energy [_3]	<input type="radio"/>	<input type="radio"/>				
Local authorities [_4]	<input type="radio"/>	<input type="radio"/>				
Local energy supply utility [_5]	<input type="radio"/>	<input type="radio"/>				
Scientists [_6]	<input type="radio"/>	<input type="radio"/>				
Consumer organizations [_7]	<input type="radio"/>	<input type="radio"/>				
Environmental organizations [_8]	<input type="radio"/>	<input type="radio"/>				
Technical experts (engineers, architects, facility managers, ...) [_9]	<input type="radio"/>	<input type="radio"/>				
Property management company [_10]	<input type="radio"/>	<input type="radio"/>				
Associations (clubs, ...) [_11]	<input type="radio"/>	<input type="radio"/>				

soc7

Only displayed to “fresh” respondents (**old = 0**).

From whom have you already taken up recommendation for changing your energy consumption?

For each person/organization 0 = no, 1 = yes.

- Family, friends or colleagues [**_1**]
- Neighbors [**_2**]
- Swiss Federal Office of Energy [**_3**]
- Local authorities [**_4**]
- Local energy supply utility [**_5**]
- Scientists [**_6**]
- Consumer organizations [**_7**]
- Environmental organizations [**_8**]
- Technical experts (engineers, architects, facility managers, ...) [**_9**]
- Property management company [**_10**]
- Associations (clubs, ...) [**_11**]
- Other (specify): [**_12**] _____ (text in **soc7_12_other**)
- No one [**_13**]

soc8a

Which of the following life events you have experienced in the last 12 months?

If you experience problems in answering this question, detailed information is available [here \(in German\)](#) and [here \(in French\)](#).

Should the problems persist, please send us a screenshot by e-mail.

	Which of the following life events have you experienced in the last 12 months? [1]	In what month did you experience the specific life event? [2]
	Tick all those that apply For each item 0 = no, 1 = yes.	Dropdown menu with April 2017 (1), March 2017 (2), ..., April 2016 (13), I do not know (-1)
Wedding [_1]	<input type="checkbox"/>	_____
Birth of first child [_2]	<input type="checkbox"/>	_____
Divorce [_3]	<input type="checkbox"/>	_____
Marital separation [_4]	<input type="checkbox"/>	_____
Unemployment [_5]	<input type="checkbox"/>	_____
Personal injury or illness [_6]	<input type="checkbox"/>	_____
Change in health of family member [_7]	<input type="checkbox"/>	_____
Start of pregnancy [_8]	<input type="checkbox"/>	_____
Death of spouse/partner [_9]	<input type="checkbox"/>	_____
Start a new job [_10]	<input type="checkbox"/>	_____
Moving house [_11]	<input type="checkbox"/>	_____
Start university/college [_12]	<input type="checkbox"/>	_____
Start of retirement [_13]	<input type="checkbox"/>	_____
Serious environmental disaster (e.g., flooding, etc.) [_14]	<input type="checkbox"/>	_____

soc8b

Only events ticked in **soc8a** are displayed to the respondent.

How positively or negatively have you experienced the specific events?

	Very negatively (1)	Negatively (2)	Neutral (3)	Positively (4)	Very positively (5)
Wedding [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Birth of first child [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Divorce [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Marital separation [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unemployment [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal injury or illness [_6]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Change in health of family member [_7]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Start of pregnancy [_8]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Death of spouse/partner [_9]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Start a new job [_10]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moving house [_11]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Start university/college [_12]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Start of retirement [_13]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Serious environmental disaster (e.g., flooding, etc.) [_14]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

soc10

How important are the following to you?

	Not at all important (1)	Not important (2)	Indifferent (3)	Important (4)	Very important (5)
Good health [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having and maintaining good relations [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Freedom and control over my life [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Safety [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Living according to my own identity [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having privacy [_6]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having access to a clean natural environment [_7]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having or being able to find a job [_8]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spending time outside work/housework to my satisfaction [_9]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being comfortable [_10]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being able to enjoy natural and cultural beauty [_11]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having a varied life and pleasant experiences [_12]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being appreciated and respected by others [_13]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having nice possessions [_14]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

soc11

In general, how satisfied are you with your life?

0 means "not at all satisfied" and 10 "completely satisfied".

- Not at all satisfied 0 (0)
- 1 (1)
- 2 (2)
- 3 (3)
- 4 (4)
- 5 (5)
- 6 (6)
- 7 (7)
- 8 (8)
- 9 (9)
- Completely satisfied 10 (10)
- I do not know (-1)

Energy literacy (enlit1 to enlit16)

enlit1

Only displayed to “fresh” respondents (**old** = 0).

What do you think the top rating of the energy label for cars stands for?

- An overall low amount of fuel consumption compared to all other vehicles in the market. (1)
- A low amount of fuel consumption compared to other similar vehicles. (2)

enlit2

Only displayed to “fresh” respondents (**old** = 0).

How much do you think it costs in terms of electricity to run the following devices?

Amounts in cents

	0-19 (1)	20-39 (2)	40-59 (3)	60-79 (4)	80-100 (5)	More than 100 (6)	I do not know (-1)
A desktop computer for 1 hour [_1]	<input type="radio"/>						
A washing machine (load of 5kg at 60°C) [_2]	<input type="radio"/>						

enlit3

Only displayed to “fresh” respondents (**old** = 0).

Which of the following consumes more energy?

- Producing 1kg of beef (1)
- Taking a warm bath (2)
- Both consume about the same (3)
- I do not know (4)

enlit4

Only displayed to “fresh” respondents (**old = 0**).

In the following pairs, which of the two consumes more electricity?

Pair 1 [_1]

- Bringing 1 litre of water to a boil in an average pot with lid (1)
- Running a washing machine with a load of 5kg at 60°C (2)
- Both consume about the same (3)
- I do not know (-1)

Pair 2 [_2]

- Bringing 1 litre of water to a boil in an average pot with lid (1)
- Bringing 1 litre of water to a boil in an electric kettle (2)
- Both consume about the same (3)
- I do not know (-1)

Pair 3 [_3]

- Running a desktop PC for 1 hour (1)
- Running a laptop for 1 hour (2)
- Both consume about the same (3)
- I do not know (-1)

enlit5

Only displayed to “fresh” respondents (**old = 0**).

Indicate whether the following statements are true or false.

	True (1)	False (2)	I do not know (-1)
The biggest share of energy consumed in a Swiss household is for heating purposes. [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CO ₂ emissions play a crucial role in global warming. [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Simply lowering the heating temperature in an average household by 1°C can help to cut down the heating demand by 6%. [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coal is a renewable energy resource. [_4]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hydroelectric power plants account for 10% of total Swiss electricity production. [_5]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

enlit6

Only displayed to “fresh” respondents (old = 0).

Do you believe that energy prices will decrease or increase in the future?

	Significant decrease (1)	Decrease (2)	No decrease or increase (3)	Increase (4)	Significant increase (5)	I do not know (-1)
Oil price [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Electricity price [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

enlit11

Imagine you have CHF 200 in a savings account and the interest rate is 10% per year. How much will there be in this account in 2 years from now?

- 220
- 240
- 242
- 260

enlit12

Imagine that the interest rate on your savings account is 1% per year and inflation is 2% per year. After 1 year, would you be able to buy...

- More than today with the money in this account (1)
- Exactly the same as today with the money in this account (2)
- Less than today with the money in this account (3)

enlit13

Since 2008, heating oil and natural gas are subject to CO₂ tax, currently about 22 CHF per 100 liters (oil) or 100 kg (gas). Most of the revenues are redistributed to the Swiss population on their individual health insurance bills. All households benefit from the proceeds of the CO₂ tax paid by oil/gas consumers. Please give us your best estimate of your household's cost and benefit of CO₂ tax in 2017. Over the year, each person in your household will...

	CHF 0 (1)	CHF 20 (2)	CHF 40 (3)	CHF 60 (4)	CHF 80 (5)	CHF 100 (6)	More than CHF 100 (7)
... receive about: [_1]	<input type="radio"/>						
... pay about: [_2]	<input type="radio"/>						

enlit14

Which of the following options describes your household's overall position with respect to CO₂ taxes?

(Multiple answers possible)

For each option 0 = no, 1 = yes.

- Monetary benefit thanks to our heating system and/or building insulation [_1]
- Monetary benefit thanks to attention to our everyday energy consumption [_2]
- Monetary loss because our building is relatively old or inefficient [_3]
- Monetary loss because of our household special needs for heating [_4]
- Negligible monetary loss/benefit [_5]
- Other (please specify): [_6] _____ (text in enlit14_6_other)

enlit15

If the CO₂ reduction objectives are not achieved, in 2018 the government could increase the CO₂ tax by about 40%. Are you supportive of this measure?

- Yes (1)
- No (0)
- Indifferent (2)

enlit16

Is your neighborhood (your street) connected to the natural gas network?

- Yes (1)
- No (0)
- I do not know (-1)

Socio-economics (seco_change to seco5)

seco_change

Only displayed to "old" respondents (**old** = 1).

In the last 12 months, were there any change in the composition of your household (number of persons in households or number of persons working for pay)?

- Yes (1)
- No (0)

If "No" is ticked, jump to **seco4**.

seco1

How many persons (including yourself and children) are there in your household?

	0 (0)	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)	6 (6)	7 (7)	8 (8)	9 (9)	10 or more (10)
Females [_1]	<input type="radio"/>										
Males [_2]	<input type="radio"/>										

seco2

How many persons of your household are working for pay?

	0 (0)	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)	6 (6)	7 (7)	8 (8)	9 (9)	10 or more (10)
Full time (90-100%) [_1]	<input type="radio"/>										
Part time (50-80%) [_2]	<input type="radio"/>										
Part time (< 50%) [_3]	<input type="radio"/>										

seco3

Only displayed if 2 persons or more indicated in **seco1**.

Which of the following best describes your household type?

- Couple without children (1) Only displayed if 2 persons in HH indicated in **seco1**.
- Couple with children (2) Only displayed if at least 3 persons in HH indicated in **seco1**.
- Single parent with one or more children (3)
- Patchwork family (4)
- Non-family shared household (5)

seco4

Only displayed if at least 1 person is indicated as working for pay in **seco2** and if the respondent did not tick "I do not work" in **mob11a**.

What is the zip code at your workplace?

Leave empty if you do not work.

ZIP code: [_1] _____

Country: [_2]

- Switzerland
- Abroad

seco5

What is the monthly gross income (CHF) of your household?

- 3,000 or less (1)
- 3,000-4,459 (2)
- 4,500-5,999 (3)
- 6,000-8,999 (4)
- 9,000-12,000 (5)
- 12,000 or more (6)
- I prefer not to say (-3)
- I do not know (-1)

Effort and climate (EFF)

Data relative to EFF are in secondary database SHEDS2017_EFF.

Introduction

eff_intro

On the next page, we will ask you to report some of your personal experiences. The "**next button**" to continue to the following page will only **appear after three minutes** but you are free to spend more time on the task if needed.

The respondent is randomly allocated to 1 of 4 groups (**condition: 1, 2, 3, 3bis**) and displayed only the corresponding questions.

Condition 1

eff_q11

Your feedback is really important for us. To leave yourself enough time to think about your personal experience, we are asking you to spend at least 3 minutes on the following questions. The "next button" will appear automatically after 180 seconds. However, as mentioned before, you are free to spend more time on the task if needed.

Please write down two or three episodes when you felt that you did something effortful to reduce your energy consumption. **There is no right or wrong answer**, the only thing that matters is that you perceive these actions to require a high effort.

eff_q12

Episode 1: _____

eff_q13

Episode 2: _____

eff_q14

Episode 3: _____

eff_q15

Please choose one of these episodes and develop in detail how these behaviors helped to reduce your energy consumption and why you consider that it was effortful.

eff_q16

This question records how long a participant spends on this page. This question is not displayed to the participant.

Timing

First Click [_1] _____

Last Click [_2] _____

Page Submit [_3] _____

Click Count [_4] _____

Jump to **eff_q81**.

Condition 2

eff_q21

Your feedback is really important for us. To leave yourself enough time to think about your personal experience, we are asking you to spend at least 3 minutes on the following questions. The “next button” will appear automatically after 180 seconds. However, as mentioned before, you are free to spend more time on the task if needed.

Please write down two or three episodes when you felt that you did something effortless or simple to reduce your energy consumption. **There is no right or wrong answer**, the only thing that matters is that you perceive these actions to require only a low effort.

eff_q22

Episode 1: _____

eff_q23

Episode 2: _____

eff_q24

Episode 3: _____

eff_q25

Please choose one of these episodes and develop in detail how these behaviors helped to reduce your energy consumption and why you consider that it was really easy to adopt.

eff_q26

This question records how long a participant spends on this page. This question is not displayed to the participant.

Timing

First Click [_1] _____

Last Click [_2] _____

Page Submit [_3] _____

Click Count [_4] _____

Jump to **eff_q81**.

Condition 3

eff_q31

Your feedback is really important for us. To leave yourself enough time to think about your personal experience, we are asking you to spend at least 3 minutes on the following questions. The “next button” will appear automatically after 180 seconds. However, as mentioned before, you are free to spend more time on the task if needed.

Please write down two or three things that you did last week.

eff_q32

Episode 1: _____

eff_q33

Episode 2: _____

eff_q34

Episode 3: _____

eff_q35

Please choose one of these episodes and develop in detail what you did.

eff_q36

This question records how long a participant spends on this page. This question is not displayed to the participant.

Timing

First Click [_1] _____

Last Click [_2] _____

Page Submit [_3] _____

Click Count [_4] _____

Jump to **eff_q81**.

Condition 3bis

eff_q3bis1

Your feedback is really important for us. To leave yourself enough time to think about your personal experience, we are asking you to spend at least 3 minutes on the following questions. The “next button” will appear automatically after 180 seconds. However, as mentioned before, you are free to spend more time on the task if needed.

Please write down two or three things that you did last week.

eff_q3bis2

Episode 1: _____

eff_q3bis3

Episode 2: _____

eff_q3bis4

Episode 3: _____

eff_q3bis5

Please choose one of these episodes and develop in detail what you did.

eff_q3bis6

This question records how long a participant spends on this page. This question is not displayed to the participant.

Timing

First Click [_1] _____

Last Click [_2] _____

Page Submit [_3] _____

Click Count [_4] _____

Jump to **eff_q51**.

Behavior 1

eff_q81

Consuming energy is associated with carbon emissions and climate change. Would you like to offset your carbon footprint?

Myclimate is a Swiss Non-Profit Organisation which promotes quantifiable climate protection and long-lasting development worldwide.

With **Myclimate** you can compensate your carbon emission deriving from your energy consumption by making a donation.

Emissions are voluntarily compensated by means of around 80 climate protection projects in 30 countries. Through these projects, emissions are reduced by replacing fossil fuel sources with renewable energies and by implementing energy-efficient technologies.

For instance a donation of 1 CHF offsets 40 kg of CO₂, which is equivalent to a car journey of 170 km or to five days of household energy consumption.

eff_q82

For participating in this survey you will receive 60 Intervista bonus points. However, we are also offering you the possibility to donate a part of these Intervista bonus points to Myclimate to compensate your energy consumption. If you do so you will only receive the remaining bonus points (for instance if you give 10 bonus points to Myclimate you will receive 50 bonus points from Intervista and the 10 bonus points will be given to Myclimate on your behalf). Do you want to make a donation?

- Yes (1)
- No (0)

eff_q83

Only displayed if the respondent ticked "Yes" in **eff_q82**.

If **yes**, you can give from 10 points (equivalent to 1 CHF) to 60 points (equivalent to 6 CHF). What is the amount of the compensation you want to give?

- 10 points (1 CHF) (1)
- 20 points (2 CHF) (2)
- 30 points (3 CHF) (3)
- 40 points (4 CHF) (4)
- 50 points (5 CHF) (5)
- 60 points (6 CHF) (6)

Behavior 2

eff_q51

Are you interested to know how much land area it takes to support your lifestyle? Take this quiz to find out your Ecological Footprint, discover your biggest areas of resource consumption, and learn what you can do to reduce your footprint.

- No thank you, I am not interested (0)
- Yes, show me the internet link for the footprint calculator (1)

eff_q52

Only displayed if the respondent ticked "Yes" in **eff_q51**.

You can copy paste the following link into your browser to calculate your ecological footprint:

<http://www.earthday.org/take-action/footprint-calculator/>

Don't close this page, and please wait until the end of the questionnaire before looking at the ecological footprint calculator.

Environmental self-identity measure

eff_q91

From totally agree to totally disagree, to what extent do you agree with these statements?

	Strongly disagree (1)	Disagree (2)	Neither agree nor disagree (3)	Agree (4)	Strongly agree (5)
Acting environmentally friendly is an important part of who I am [_1]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am the type of person who acts environmentally friendly [_2]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I see myself as an environmentally friendly person [_3]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Conclusion

End

Thank you very much

Please be sure to click "next" to confirm definitely your answers and receive your bonus points. You will then be redirected to Intervista's website.

You can make any comment or remark in the box below. Also, if you would like to be informed about the results of the project, please indicate your e-mail address in the field below.

Thank you very much for your participation in this survey.

Comments or remarks: _____

E-mail address: _____ (not provided in the dataset)