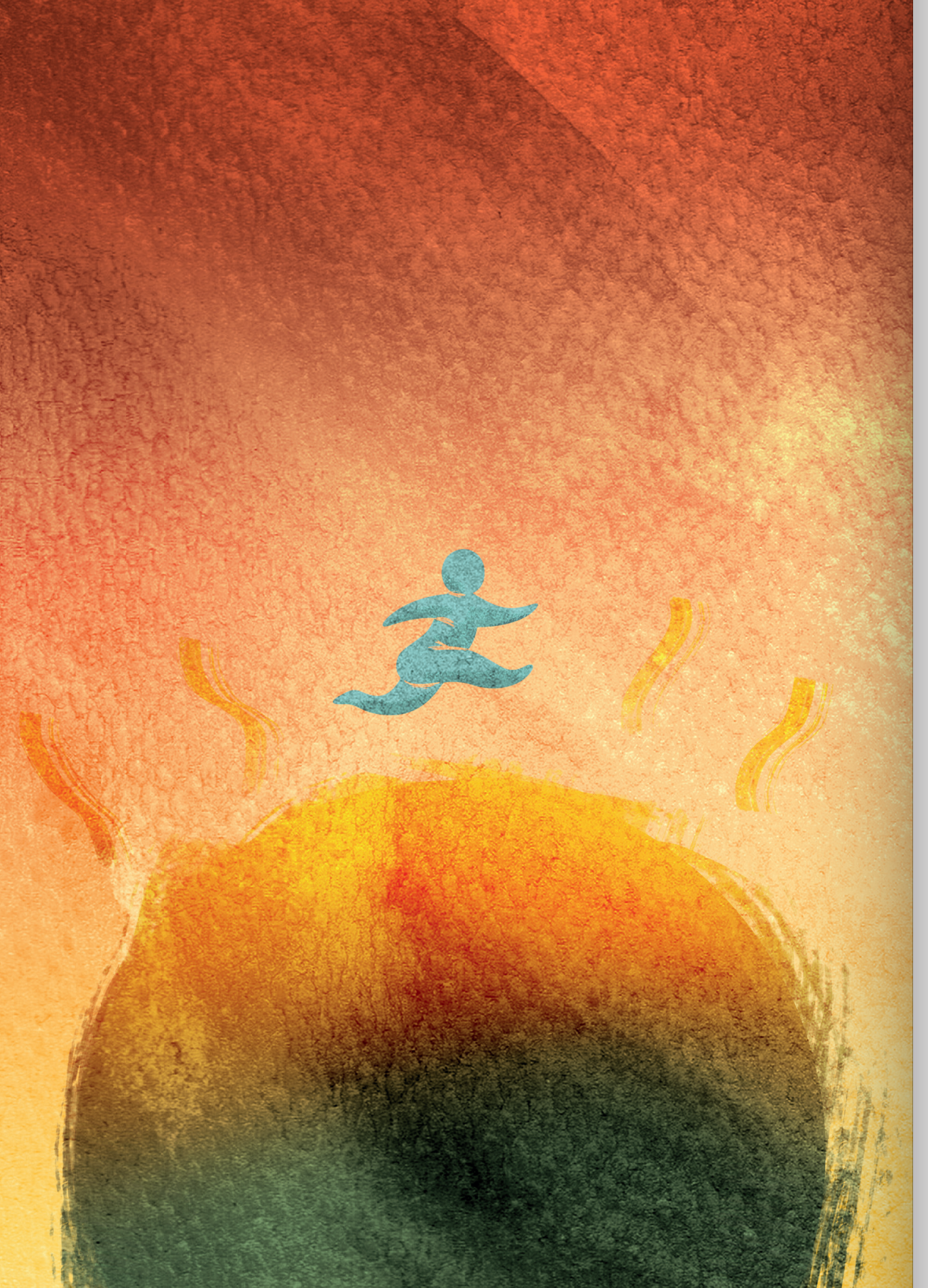

2

SUPPLEMENTARY INFORMATION
TO CHAPTER 2:

Individual Transilience
in the face of
Climate Change

Table S1. Demographic characteristics of participants in Study 1

Characteristic	n	%
Gender		
Female	94	52.81
Male	84	46.59
Other	/	/
Ethnicity		
White	124	69.66
Hispanic/Latino	8	4.49
Black/African American	22	12.36
Native American/American Indian	2	1.12
Asian/Pacific islander	12	6.74
Other	2	1.12
Mixed Ethnicity	8	4.49
Highest educational level		
High school	31	17.42
Vocational training	9	5.06
College	77	43.26
University	51	28.65
Doctorate	10	5.62
Income		
Less than $20,000	17	9.55
$20,000 - $34,999	38	21.35
$35,000 - $49,999	40	22.47
$50,000 - $74,999	47	26.40
$75,000 - $99,999	24	13.48
More than $100,000	10	5.62
Prefer not to say	2	1.12
Total	178	100

Table S2. Demographic characteristics of participants in Study 2

Characteristic	n	%
Gender		
Female	116	61.4
Male	73	38.6
Missing	3	1.6
Education Level		
Primary or secondary	53	28
Higher vocational	66	34.9
University	70	37
Missing	3	1.6
Monthly Income (€)		
< 1000	27	15.4
1000-2000	31	17.7
2000-3000	32	18.3
3000-4000	31	17.7
4000-5000	31	17.7
> 5000	23	13.1
Missing	17	8.8
Total	192	100

Table S3. Demographic characteristics of participants in Study 3

Characteristic	n	%
Gender		
Female	73	38.02
Male	118	61.46
Other	1	0.52
Ethnicity		
White	132	68.75
Hispanic/Latino	13	6.77
Black/African American	24	12.50
Native American/American Indian	0	/
Asian/Pacific islander	13	6.77
Other	1	0.52
Mixed Ethnicity	9	4.69
Highest educational level		
High school	41	21.35
Vocational training	5	2.60
College	76	39.58
University	64	33.33
Doctorate	6	3.12
Income		
Less than $20,000	23	11.98
$20,000 - $34,999	30	15.62
$35,000 - $49,999	40	20.83
$50,000 - $74,999	56	29.17
$75,000 - $99,999	30	15.62
More than $100,000	11	5.73
Prefer not to say	2	1.04
Total	192	100

Table S4. Demographic characteristics representative sample in Study 4

	Study 4	UK Census [a]
% Women	50.3	51
% White	87.2	87
% Black	3.4	3.1
% Asian	7.2	7.1
% Mixed	1.4	1.5
% Other	0.8	1.2
% age 18-27	17.4	17.1
% age 28-37	16.6	16.6
% age 38-47	18.3	18.4
% age 48-57	16.5	16.5
% age > 58	31.2	31.4

Note. [a] Based on data found at UK Office for National Statistics (https://www.ons.gov.uk/)

Table S5. Correlations Between the Measures Included in Study 2 Without controlling for the Experimental Manipulation

	1	2	3	4	5
1. Transilience					
2. Self-Efficacy to green backyard	.21**				
3. Outcome efficacy for greening backyard	.22**	.04			
4. Perceived risks of flooding	.07	.08	.19*		
5. Intention to engage in adaptation behaviours	.34***	.21**	.26***	.27***	
6. Current effort to green backyard	.16*	.19*	.19**	.06	.43***

Note. * p < .05, ** p < .01, *** p < .001

Table S6. Comparing 3-factor structure to a 1-factor structure across studies

Study 1						
	CFI	RMSEA	SRMR	AIC	BIC	Chi square difference 3 factor model
Benchmark	**>.95**	**< .06**	**< .08**	**N/A**	**N/A**	**N/A**
Three factor model	.91	.063	.078	7958.665	8063.664	N/A
Unifactor model	.82	.090	.096	8094.644	8190.098	$\chi2$ (3) = 29.3, p < .001
Study 2						
	CFI	RMSEA	SRMR	AIC	BIC	Chi square difference 3 factor model
Three factor model	.99	.03	.06	6488.511	6576.463	N/A
Unifactor model	.42	.21	.23	7089.339	7167.519	$\chi2$ (3) = 238, p < .001
Study 3						
	CFI	RMSEA	SRMR	AIC	BIC	Chi square difference 3 factor model
Three factor model	.98	.039	.052	6183.453	6271.405	N/A
Unifactor model	.87	.097	.087	6318.834	6397.014	$\chi2$ (3) = 62.9, p < .001
Study 4						
	CFI	RMSEA	SRMR	AIC	BIC	Chi square difference 3 factor model
Three factor model	.91	.08	.06	25448.016	25573.886	N/A
Unifactor model	.74	.14	.094	26202.465	26314.349	$\chi2$ (3) = 424, p < .001

Table S7. Range of the Scores on the Transilience items in Study 3 and Study 4

Study 3					
	N	**Mean**	**SD**	**Minimum**	**Maximum**
PE_1	192	5.38	1.17	1	7
PE_2	192	5.47	1.12	2	7
PE_3	192	5.60	0.92	2	7
PE_4	192	5.40	1.10	2	7
AD_1	192	5.38	1.09	1	7
AD_2	192	5.25	1.20	2	7
AD_3	192	5.24	1.18	2	7
AD_4	192	5.45	1.05	2	7
TR_1	192	5.04	1.20	2	7
TR_2	192	4.88	1.38	1	7
TR_3	192	5.13	1.23	1	7
TR_4	192	5.33	1.15	2	7
Study 4					
	N	**Mean**	**SD**	**Minimum**	**Maximum**
PE_1	782	5.04	1.12	1	7
PE_2	782	5.02	1.08	1	7
PE_3	782	5.23	1.04	1	7
PE_4	782	5.05	1.22	1	7
AD_1	782	5.08	1.11	1	7
AD_2	782	4.64	1.23	1	7
AD_3	782	4.64	1.20	1	7
AD_4	782	5.07	1.04	1	7
TR_1	782	4.27	1.23	1	7
TR_2	782	4.27	1.41	1	7
TR_4	782	4.66	1.27	1	7
TR_5	782	5.06	1.18	1	7