Appendix A: Documentation of the Existing Questionnaire Landscape

The table below contains the description of existing SOEP items related to the impact channels of digital exposure, which we aim to measure in three domains: (a) AI spread, (b) platform work, (c) digitalized workplace.

	Digital exposure: (a) Al spread – no existing items in the SOEP		
Digital exposure: (b) Platform work – no existing items in the SOEP Digital exposure: (c) Digitalized workplace			
Question wording	Response Scale	Survey years [variable name] label (+ link to the variable on paneldata.org)	
Sometimes there are changes in the tools and technologies of the workplace - for example, when new technologies, devices, or working or production processes are introduced. What about you? Have there been any changes of this kind in your job in <last year="">?</last>	(1) yes (2) no	SOEP 2015-2017 [plb0595] Changes Tools And Technologies in Job panel data	
How will these changes influence your work over the next two years? Do you expect that			
your health risk	(1) will decline(2) will remain the same(3) will increase	SOEP 2015-2017 [plb0596] Influence Health Risk in 2 Years	
your work productivity	(1) will decline(2) will remain the same(3) will increase	SOEP 2015-2017 [plb0597] Influence Work Productivity in 2 Years	
the demands for your qualification	(1) will decline(2) will remain the same(3) will increase	SOEP 2015-2017 [plb0598] Influence Demand For Qualification in 2 Years	
the demands for your work performance	(1) will decline(2) will remain the same(3) will increase	SOEP 2015-2017 [plb0599] Influence Work Performance in 2 Years	

your risk of losing your	(1) will decline	SOEP 2015-2017 [plb0600]
job	(2) will remain the same	Influence Risk Losing Job in
	(3) will increase	2 Years
Usage of digital technologies	– no existing items in the SOEF)
	- no existing items in the SOEP	
Direct consequences of digital		
How is your working time	(1) yes, I do it manually	SOEP 2018 [plb640]
monitored?	(2) yes, it's done through a system (time clock,	Timekeeping
	electronic time-keeping)	
	(3) no	
Why don't you keep track of	(1) Trust-based working	SOEP 2018 [plb641] Reason
your working hours?	time (i.e. no compensation	no timekeeping
	for over- or undertime)	
	(2) fixed start and finish	
There are very different	times of work (1) Fixed start and fixed end	SOEP 2003, 2005, 2007,
working arrangements	the daily working period	2009-2019 (annually)
nowadays. Which of the	(2) Business fixed, partly	[plb0211] Type Of Working
following applies to your	changing working hours per	Hour Possibilities
work best?	day	
	(3) No formal regulation of	
	working time, regulate working time myself	
	(4) Flextime with working	
	time account and a certain	
	self-determination on the	
	daily working time in this context	
Belong to your working time	(1) yes, standby service	SOEP 2011, 2014-2019
special forms such as	(2) yes, call service	(annually)
standby service, call service	(3) yes, on call	[plb0212] Special type of
or work on call?	(4) none of the above	working hour possibilities:
		stand-by duty
		[plb0213] Special type of working hour possibilities:
		on-call duty
		[plb0214] Special Type of
		Working Hour Possibilities:
		Work on Demand
		[plb0215] special type of
		working hour possibilities:
Do you sometimes have to	(1) No, never	SOEP 2005-2019
work in the evenings (after	(2) Yes, every day	(biannually) [plb0205_v2]
7:00 p.m.) or at night (after		

10:00 p.m.)? If so, how often? • Evenings (7 to 10 pm) • Nights (10 pm to 6 am)	(3) Yes, several times a week(4) Yes, on a weekly basis(5) Yes, rarely (as needed)	Work in the evenings or at night
Do you have to work weekends? If so, how often? • Saturdays • Sundays	(1) No, never(2) Yes, every week(3) Yes, every other week(4) Yes, every 3-4 weeks(5) Yes, rarely	SOEP 2005-2019 (biannually), 2012 [plb0218] Working on Saturday [plb0219] Working on Sunday
At what time do you generally start work?	(1) hour, minute (2) varying	SOEP 2002, 2004, 2006, 2008, 2012, 2015, 2017, 2019 [plb0180] Start work hour [plb0181] Start work minute [plb0182] Start work varying
If you could choose your own working hours, taking into account that your income would change according to the number of hours: How many hours would you want to work?	Hours per week	SOEP annually [plb0241 h] Desired weekly work hours
How many days do you usually work per week?	 (1) days per week (2) not applicable, because The number of days is not fixed The number of days changes from week to week 	SOEP annually (with rare gaps) [plb0209] Working days per week [plb0210] No contracted working days
How many hours per week are stipulated in your contract (excluding overtime)?	(1) hours (2) no set hours	SOEP annually [plb0176 h] Contracted working hours
And how many hours do you generally work per week, including any overtime?	hours	SOEP annually [plb0186_h] Actual working hours
Are you entitled to paid breaks?	(1) yes (2) no	SOEP 2017 annually [plb0601] Entitled to paid breaks
How many minutes of paid breaks are you entitled to per working day?	minutes	SOEP 2017 annually [plb0602] Minutes paid breaks

He was a set of the first		COED 2047 II
How many minutes of that	minutes	SOEP 2017 annually
do you usually use?		[plb0603] Usage paid breaks
Do you work overtime?	(1) yes	SOEP 2017 annually
	(2) no	[plb0193] Work overtime
	(3) not applicable because I	
	am self-employed	
Can you also save your	(1) yes, by the end of the	SOEP 2002 annually
overtime in a working hours	year	[plb0194] Overtime Time in
account that allows you to	(2) yes, within a shorter	Lieu
take time off for the	period of time	
overtime within a year or	(3) within a longer period of	
more?	time	
If you do work overtime, is	(1) compensated with time-	SOEP annually with gaps
•	off	,
the work paid, compensated		2015-2017 [plb0195 h]
with time off, or not	(2) partly paid, partly	Overtime compensation
compensated at all?	compensated with time-off	
	(3) paid	
	(4) not compensated at all	
Have you worked overtime	(1) yes, hours	SOEP annually [plb0196 h]
in the last month? If so, how	(2) no	Overtime last month
many hours?		
Have you used up overtime	(1) yes, hours	SOEP annually [plb0483]
off in lieu last month? If so,	(2) no	Take time off for overtime
how many?		last month
Were you paid overtime in	(1) yes	SOEP annually [plb0605]
the last month?	(2) no	Financial compensation for
		overtime
Direct consequences of digital	al exposure: place of work	
How far do you travel to	(1) km	SOEP annual with gaps
work on a normal workday?	(2) can't say since I work in	[plb0158] Distance to work,
The state of the s	different locations	km
	(3) workplace and dwelling	I Nill
	are in the same building or	
	on the same property	
And how much time do you	minutes	SOEP biannually [plb0592]
-	minutes	,
usually spend commuting to		Commuting time (minutes)
work on a normal workday?	(4)	COED 2002 2002 2012
Does it happen that you do	(1) yes	SOEP 2002, 2009, 2010,
your job at home?	(2) no	2022, 2014 [plb0095] Work
		from home
Does it happen that you do	(1) yes, daily	SOEP 2002, 2009-2011,
your job at home?	(2) yes, several times a	2014 [plb0096 v1]
	week	
	(3) every 2-4 weeks	
	(4) rarely	
		<u>.</u>

If your employer would	(1) yes	SOEP 2009, 2010, 2011,
allow you to temporarily	(2) no	2014 [plb0097] Possibility to
work from home, would you	(3) not possible at my work	work from home
accept this offer?	place	
Direct consequences of digital	ll exposure: work-life balance	– no existing items in the
SOEP		
Direct consequences of digital	I exposure: autonomy – no ex	isting items in the SOEP
Direct consequences of digita	ll exposure: work intensity, str	ress – no existing items in the
SOEP		
The following statement	(1) strongly disagree	SOEP 2006, 2011, 2012,
describe possible situations	(2) disagree	2016
relating to your work, your	(3) agree	[plb0112] working under
job, and your employer.	(4) strongly agree	time pressure
Please indicate to what		[plb0113] thinking about
degree you agree with the		work-related problems first
following statements.		thing in the morning
 At work, I easily get 		[plb0114] easy to stop
into time pressure		thinking about work
 I often am already 		[plb0115] make sacrifices
thinking about work-		for career
related problems		[plb0116] always thinking
when I wake up		about work
 When I come home, 		[plb0117] sleeping problems
it is very easy to		due to work
switch off from		[plb0118] time pressure
thinking about work		[plb0119] perceived time
 Those closest to me 		pressure
say I sacrifice myself		[plb0120] interruption at
too much for my		work
career		[plb0122] workload change
 Work seldom lets go 		
of me, it stays in my		
head all evening		
 If I put off something 		
that needs to be		
done that day, I can't		
sleep at night		
 There is often high 		
time pressure due to		
the large volume of		
work		
People often		
interrupt or bother		
me while I'm		
working		
My workload has		
increased steadily		
	ı	I .

	T	1
over the last two		
years		
•		
Indirect consequences: job sa	tisfaction and commitment	
How satisfied are you today	(0) not satisfied at all	SOEP annually [plh0173]
with the following areas of		satisfaction with work
your life?	(10) very much satisfied	
Indirect consequences: justic	e at workplace	
If you were thinking of your	(-5) unfairly too low	SOEP 2017, 2019
present gross earnings,	(-4)	[plh0337 v2] Fair gross
would you say that it is fair,	(-3)	earnings
unfairly too high, or unfairly	(-2)	
low in relation to your job?	(-1)	
	(0) fairly	
	(+1)	
	(+2)	
	(+3)	
	(+4)	
	(+5) unfairly too high	
How high would your gross	euros per month	SOEP 2005, 2009, 2011,
income have to be in order		2013, 2015, 2017, 2019
to be just?		[plh0138] Amount of fair
		gross income
If you think about your	(-5) unfairly too low	SOEP 2018-2019
present net earnings, would	(-4)	[plh0338 v2] Fair net
you say that it is fair,	(-3)	earnings
unfairly overpriced or	(-2)	
unfairly low in relation to	(-1)	
your job?	(0) fairly	
	(+1)	
	(+2)	
	(+3)	
	(+4)	
	(+5) unfairly too high	
	, , ,	
How high would your net	euros per month	SOEP 2005, 2009, 2011,
income have to be in order	•	2013, 2015, 2017, 2019
to be just?		[plh0140] Amount of fair
_		gross income