1 **Table S2 Details on methods and variables of user studies**

Paper	Methods applied	No. partici-pants	Applied User accep-tance models	Dependent variables related to user acceptance	Other factors studied
Alves et al., 2019	POTQ	15	-	PEOU	TCT, ER, WL
Arntz et al., 2020	PRTQ, POTQ	52	-	PEOU	Flow, immersion, USB, objective measurement
Aromaa et al., 2016	POTQ	4	TAM	PEOU	USB, UE
Aromaa et al., 2018a	POTQ, OS, IV	10	TAM	PEOU, PU	UE
Aromaa et al., 2018b	POTQ	7	TAM	PEOU, PU	Ergonomics, UE
Beckmann et al., 2019	POTQ	58	TAM	PEOU, PU, ATU, HM, BI, EJM	USB, presence, learning experience
Bosch et al., 2020	POTQ	76	TAM	-	TCT, speed of learning, ER, supervisory guidance efforts, employability, WR, perceived effort, USB
Catal et al., 2019	POTQ	36	TAM, TAM 2	PEOU, PU	TCT
Daling et al., 2020	PRTQ, POTQ	24	TAM 3	PEOU, PU, MSE, EJM	affinitiy for technology, locus of control for technology, WL, aesthetic and layout, appropriteness of functions
Elshafey et al., 2020	SV	58	TAM 3	PEOU, PU, EJM, IMG, CAX, JR, VT, BI, RD, PEC	-
Helin et al., 2018	POTQ, IV	53	-	-	UE, USB, subjective satisfaction
Jetter et al., 2018	PRTQ, POTQ	51	TAM	PEOU, PU, ATU, BI	WL, spatial representation, TCT, ER
Kim and Lee, 2016	POTQ	20		PEOU, PU	TCT, ER, UE
Lee et al., 2020	POTQ	46	TAM, UTAUT	PEOU, PU, US, BI	quality of visual presentation, physical comfort, mental comfort, UE
Loch et al., 2016	POTQ	17	TAM 3	PEOU, PEC, EJM	TCT, ER, WL

Masood and Egger, 2019	Survey	84	-	-	TOE (technology, organisation, and environment model)
Masood and Egger, 2020	POTQ, IV	22	-	-	TCT, WL
Min et al., 2020	POTQ	30	UTAUT	PE, EE, ATU, BI	TCT, ER, USB
Minow et al., 2020	POTQ	25	TAM	PEOU, PU	experienced effort, USB
Murauer, 2019	IV	14	DIT	-	-
Park et al., 2020	POTQ	45	-	-	TCT, USB, WL
Rapaccini et al., 2014	IV, SV	69	TAM, TAM 2, TAM 3, UTAUT	PEOU, PU, BI	-
Scott et al., 2020	IV	11	UTAUT	-	Readiness for technology adoption, barriers to adoption
Serras et al., 2020	POTQ	20	-	PEOU	USB
Stigall and Sharma, 2019	POTQ	69	TAM	PEOU, PU	USB
Terhoeven et al., 2018	POTQ	59	TAM	PEOU, PU	USB
Werrlich et al., 2017	POTQ	10	-	-	requirements definition
Wild et al., 2017	WS, POTQ	48	UTAUT, TAM3, UTAUT 2, TPB	PE, EE, SI, FC, ATU, HM, HT, SN, IMG, CSE, BI, IOP, LRN, UF	UE

Pre-test questionnaire (PRTQ), Post-test questionnaire (POTQ), Interview (IV) Survey (SV), Observation (OV), Workshop (WS)

Technology Acceptance Model (TAM), Unified Theory of Acceptance and Use of Technology (UTAUT), Theory of Planned Behaviour (TPB), Diffusion of Innovation Theory (DIT)

Perceived Ease of Use (PEOU), Perceived Usefulness (PU), Performance Expectancy (PE), Effort Expectancy (EE), Social Influence (SI), Facilitating Conditions (FC), Attitude Towards Use (ATU), Hedonic Motivation (HM), Habit (HT), Subjective Norm (SN), Image (IMG), Computer Self-Efficacy (CSE), Behavioral Intention (BI), Interoperability (IOP), Social Influence (SI), Learning (LRN), Usage Frequency (UF), Perceived External Control (PEC), Perceived Enjoyment (EJM), User Satisfaction (US), Computer Anxiety (CAX), Job Relevance (JR), Voluntariness (VT), Result Demonstrability (RD), Media Self-Efficacy (MSE)

Task completion time (TCT), Error rate (ER), Usability (USB), User Experience (UE), Workload (WL)

2