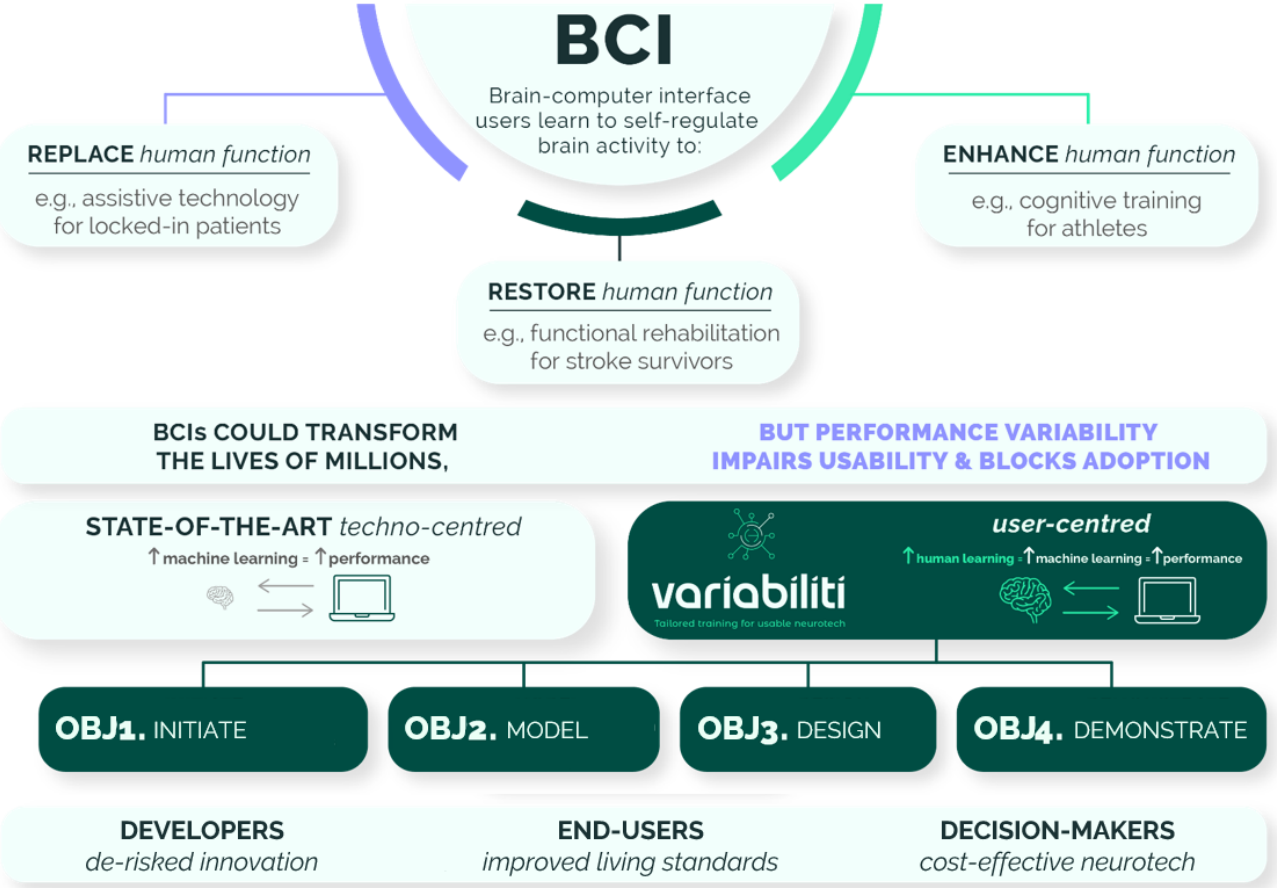
This document provides a rough overview of the VARIABILITI consortium and of the tentative PhD topics. Please note that the document was published on the 11/09/2026 and that the consortium and the PhD topics may evolve.

"VARIABILITI"

Understanding learning variability to personalise training
and boost knowledge-driven, efficient & acceptable neurotechnologies

variabiliti
Tailored training for usable neurotech



LIST OF PARTICIPATING ORGANISATIONS

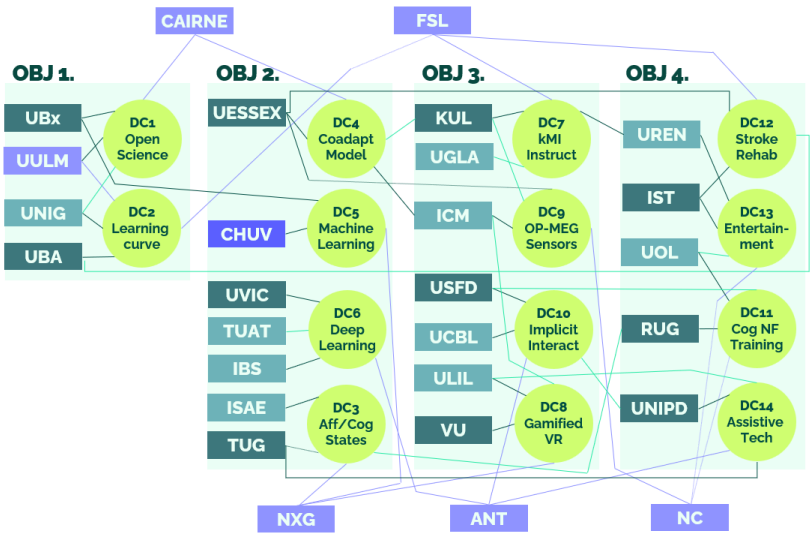
⊕ : developers/clinicians for engagement and involvement of end-users ; 🏭 : developers/companies for strategy, commercialisation route ; ⁂ : decision-makers for European network enabling complementary expertise, communication, dissemination & exploitation of the results.

No.	Consortium Member		Academic	Non-academic	Country	Dept./ Division / Laboratory	Person in-Charge	Gender
Beneficiaries								
1	University of Bordeaux	UBx	X		FR	Institut des Neurosciences Cognitives et Intégratives d'Aquitaine	Dr. Camille Jeunet-Kelway	F
2	University of Essex	UESSEX	X		UK	School of Computer Science and Electronic Engineering	Pr. Reinhold Scherer	M
3	Catholic University of Lublin	KUL	X		PL	Department of Experimental Psychology	Dr. Dariusz Zapala	M
4	Stichting VU	VU	X		NL	Dept of Computer Science	Ass.Pr. Maryam Alimardani	F
5	Otto-Friedrich-University of Bamberg	UBA	X		DE	Psychological Institute	Dr. Sonja Kleih-Dahms	F
6	Centre Hospitalier Universitaire Vaudois ⊕	CHUV		X	CH	Department of Clinical Neurosciences	Pr. Andrea Serino	M
7	University of Groningen	RUG	X		NL	Dept of Clinical Neuropsychology	Ass.Pr. Stefanie Enriquez-Geppert	F
8	The University of Sheffield	USFD	X		UK	School of Electronics & Electrical Engineering	Ass.Pr. Mahnaz Arvaneh	F
9	Fundació Univer-istària Balmes/ University of Vic	UVIC	X		ES	Department of Engineering. Faculty of Sciences and Technology	Pr. Jordi Solé-Casals	M
10	Graz University of Technology	TUG	X		AT	Institute of Neural Engineering	Ass Pr. Selina Wriessnegger	F
11	Instituto Superior Tecnico	IST	X		PT	Institute for Systems and Robotics	Ass.Pr Athanasios Vourvopoulos	M
Associated Partners								
12	University of Padova	UNIPD	X		IT	Department of Information Engineering	Pr. Luca Tonin	M
13	University of Rennes	UREN	X		FR	Institut de Recherche en Informatique et Systèmes Aléatoires	Dr. Léa Pillette	F
14	Ulm University ⊕	UULM	X		DE	Department and clinics of Neurology	Pr. Dr. Dorothée Lulé	F
15	University of Graz	UNIG	X		AT	Department of Psychology	Dr. Silvia Kober	F
16	Institut Supérieur de l'Aéronautique et de l'Espace	ISAE	X		FR	Department of Neuro-ergonomics and human factors	Pr. Raphaëlle Roy	F
17	Institut du Cerveau	ICM	X		FR	NERV Team	Dr. Marie-Constance Corsi	F
18	Sorbonne University	SU	X		FR	Brain, cognition, behaviour Doctoral School	Dr. Nathalie George	F
19	Systems Research Institute of the Polish Academy of Sciences	IBS	X		PL	Intelligent Systems Department	Pr. Andrzej Cichocki	M
	University of Lille	ULIL	X		FR	CRIStAL Research center in Computer Science, Signal and Automatics of Lille	Dr Hakim Si-Mohammed	M
21	University of Lyon I	UCBL	X		FR	Lyon Neuroscience Research Centre	Dr. Jérémie Mattout	M
22	University of Oldenburg	UOL	X		DE	Department of Psychology	Dr Cornelia Kranczioch	F
23	NeuroX Group 🏭	NXG		X	CH		Dr. Robert Leeb	M
24	Tokyo University of Agriculture and Technology	TUAT	X		JP		Pr. Toshihisa Tanaka	M

25	University of Glasgow	UGLA	X		UK	School of Engineering	Pr. Aleksandra Vuckovic	F
26	*Santa Lucia Foundation (To be confirmed)*	*FSL*	*X*		*IT*		*Pr. Donatella Mattia*	*F*
27	Zurich University of Applied Science	ZHAW	X		CH		Dr. Ricardo Chavarriaga	M
28	ANT Neuro GmBH	ANT		X	DE		Dr. Martijn Schreuder	M
29	Neuro Concise	NC		X	UK		Pr. Damien Coyle	M
30	University of Lausanne	UNIL	X		CH	Faculty of Biology and Medicine	Pr. Andrea Serino	M

Name	Location of research premises	Type of D&D activities	No. of full-time employees	No. of employees in R&D	Website	Annual turnover (€)	Enterprise status (Y/N)	SME status (Y/N)
Centre Hospitalier Universitaire Vaudois (CHUV)	Lausanne/Switzerland	Translational, clinical and fundamental research	12844 FTE	2800	www.chuv.ch	Not Available	No	No





Obj1 | **INITIATE.** DCs 1&2 equip Europe with an open, ethical and interoperable foundation for sustainable, user-centred BCI R&I.

	Host	Enrolment	Start date	Duration	Deliv.	Project title - Main objective
DC1	UBx	UBx UULM	M7	36months	D1.1	Standards for responsible, collaborative, open and participatory R&I in BCIs: Ethics-by-Design and Public–Patient Involvement and Engagement (PPIE)
DC2	UBA	UBA UNIG	M7	36months	D1.1	From evidence to guidance: Open, user-centred protocols for BCI use and training

Obj2 | **MODEL.** DCs 3-6 model the human–machine double learning and deliver explainable, robust algorithms for co-adaptation.

	Host	Enrolment	Start date	Duration	Deliv.	Project title - Main objective
DC3	TUG	TUG ISAE	M7	36months	D2.1	Affective and cognitive state detection
DC4	UESSEX	UESSEX ICM	M7	36months	D2.1	Establishing and validating a computational model of the BCI double-learning process
DC5	CHUV	CHUV UBx	M7	36months	D2.1	Which machine learning characteristics and cognitive factors favour user learning?
DC6	UVIC	UVIC IBS	M7	36months	D2.1	Deep learning explainable methods for BCIs: Towards explanatory feedback

Obj3 | **DESIGN.** DCs 7-10 convert models into personalised training (haptics, gamified VR, implicit interaction).

	Host	Enrolment	Start date	Duration	Deliv.	Project title - Main objective
DC7	KUL	KUL UREN	M7	48months	D3.1	Applying kinaesthetic MI training based on haptic stimuli comparisons to improve learning of MI-BCI control
DC8	VU	VU ULIL	M7	48months	D3.1	Gamification of MI-BCI training in VR for improved user experience and learning
DC9	UESSEX	UESSEX ICM	M19	36months	D3.1	Low-cost Hydrogel tipped EEG vs OPM-MEG for motor imagery BCI
DC10	USFD	USFD UCBL	M19	36months	D3.1	Towards a semi-autonomous BCI using implicit brain-machine interactions

Obj4 | **DEMONSTRATE.** DCs 11-14 demonstrate impact in replacing, restoring and enhancing applications, ready for uptake.

	Host	Enrolment	Start date	Duration	Deliv.	Project title - Main objective
DC11	RUG	RUG UOL	M7	48months	D4.1	Transdiagnostic training for executive function
DC12	IST	IST UESSEX	M19	36months	D4.1	Neuro-adaptive VR-BCI training for stroke rehabilitation
DC13	IST	IST UREN	M19	36months	D4.1	BCIs for training gamers' attention abilities
DC14	UNIPD	UNIPD TUG	M19	36months	D4.1	Novel brain-robot interactions to enhance the coupling and the usability of lower-limb exoskeletons