Action Number: 101079338

Action title: Towards Excellent Robotics and Artificial Intelligence at a Slovak University

Action Acronym: TERAIS

Deliverable 6.6

Data Management Plan – Final version

Annex 1

WP6 – Project Management

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1. Introduction

This Annex to Data Management Plan (DMP) of TERAIS project, specifies all the datasets related to studies published under the TERAIS acknowledgement. Datasets are organized as follows: six parent datasets, two for each partner of the consortium, are listed in the main document of the DMP and reports all main features that are valid for the child datasets that are connected to them. Child datasets are listed in this Annex (Annex 1). For each child-dataset, features such as the dataset name, authors, related publication, keywords, repository, level of Confidentiality / Accessibility policies, and PID are specified in Table 1.

2. List of datasets

Here below are listed the child datasets of the TERAIS project, each connected to:

1) a parent dataset (PD) whose features are listed in the main document of the DMP
2) a specific publication acknowledging TERAIS.

Table 1. *Summary of the TERAIS research datasets*

#	DATASET NAME	PARENT DATASET	AUTHOR(S) (email + ORCID)	TITLE & OA PID of related publication	SIZE	REPOSITORY, PID & ACCESSIBILITY	EXPECTED IMPACT
1	TERAIS_SLS-SuperSampl_code	PD 2 UKBA code	lukas.gajdosech@fmph.uniba.sk 0000-0002-8646-2147	Supersampling of Data from Structured-light Scanner with Deep Learning https://doi.org/10.48550/arXiv.2305.05215	-	Zenodo, https://doi.org/10.5281/zenodo.10688235 Restricted *(collaboration with the private sector)*	The code used to evaluate 3D point cloud supersampling methods. Restricted access due to collaboration with the private sector.
2	TERAIS_SLS-SuperSampl_data	PD 1 UKBA Exp Data	lukas.gajdosech@fmph.uniba.sk 0000-0002-8646-2147	Supersampling of Data from Structured-light Scanner with Deep Learning https://doi.org/10.48550/arXiv.2305.05215	-	Zenodo, https://doi.org/10.5281/zenodo.10688199 Restricted *(collaboration with the private sector)*	The data used to evaluate 3D point cloud supersampling methods. Restricted access due to collaboration with the private sector.
3	BillBoardLamac_code	PD 2 UKBA code	viktor.kocur@fmph.uniba.sk 0000-0001-8752-2685	Evaluating the Significance of Outdoor Advertising from Driver's Perspective Using Computer Vision https://arxiv.org/abs/2311.07390	**12.0 kB**	Zenodo, https://zenodo.org/doi/10.5281/zenodo.10689666 OA	The code can be used with conjunction with the published data to create models for assessing significance of roadside advertisements as well as for similar assessment for other types of objects
4	BillBoardLamac_data	PD 1 UKBA Exp Data	viktor.kocur@fmph.uniba.sk 0000-0001-8752-2685	Evaluating the Significance of Outdoor Advertising from Driver's Perspective Using Computer Vision https://doi.org/10.48550/arXiv.2311.07390	**1.5 MB**	Zenodo, https://zenodo.org/doi/10.5281/zenodo.10689664 OA	The data can be used to research aspects of roadside advertisement such as its significance in terms of driver's attention
5	TERAIS_STD-Noise_code	PD 2 UKBA code	lukas.gajdosech@fmph.uniba.sk 0000-0002-8646-2147	Enhancement of 3D Camera Synthetic Training Data with Noise Models https://doi.org/10.48550/arXiv.2402.16514	**60.4 MB**	Zenodo, https://doi.org/10.5281/zenodo.10581562 OA	The provided code can be used to estimate the parameters of 3D camera noise models. The code can also be used to train Deep CNN with synthetic

#	DATASET NAME	PARENT DATASET	AUTHOR(S) (email + ORCID)	TITLE & OA PID of related publication	SIZE	REPOSITORY, PID & ACCESSIBILITY	EXPECTED IMPACT
							noise added and evaluation of the trained model.
6	TERAIS_STD-Noise_data	PD 1 UKBA Exp Data	lukas.gajdosech@fmph.uniba.sk 0000-0002-8646-2147	Enhancement of 3D Camera Synthetic Training Data with Noise Models https://doi.org/10.48550/arXiv.2402.16514	**6.5 GB**	Zenodo, https://doi.org/10.5281/zenodo.10581278 OA	The dataset can be used to estimate noise parameters of three different types of 3D cameras. The dataset can also be used to train and evaluate DeepCNNs for object segmentation from depth maps featuring an object for which its precise 3D model is available.
7	SnaptureGR_code	PD 6 UHAM code	hassan.ali@uni-hamburg.de 0000-0001-9907-1834	Snapture—a Novel Neural Architecture for Combined Static and Dynamic Hand Gesture Recognition https://doi.org/10.1007/s12559-023-10174-z	**435.4 kB**	Zenodo, https://zenodo.org/doi/10.5281/zenodo.10679196 OA	The code can be used to train a gesture recognition model which can enhance the robot's human-awareness using non-verbal cues.
8	SnaptureGR_data	PD 5 UHAM Exp Data	hassan.ali@uni-hamburg.de 0000-0001-9907-1834	Snapture—a Novel Neural Architecture for Combined Static and Dynamic Hand Gesture Recognition https://doi.org/10.1007/s12559-023-10174-z	**190.6 kB**	Zenodo, https://zenodo.org/doi/10.5281/zenodo.10693816 OA	The repository refers to the public datasets used for this study. Other gestures recognition models can be trained using the same data.
9	SafeRL_code	PD 2 UKBA code	igor.farkas@fmph.uniba.sk 0000-0003-3503-2080	Safe Reinforcement Learning in a Simulated Robotic Arm https://doi.org/10.48550/arXiv.2312.09468	**9.8 MB**	Zenodo, https://zenodo.org/doi/10.5281/zenodo.10694747 OA	The repository contains code for the paper enabling further research into various RL approaches in robotics.
10	SynthGaze_code	PD 1 UKBA Exp Code	igor.farkas@fmph.uniba.sk 0000-0003-3503-2080	Appearance-based gaze estimation enhanced with synthetic images using deep neural networks https://doi.org/10.48550/arXiv.2311.14175	**109.2 kB**	Zenodo, https://zenodo.org/doi/10.5281/zenodo.10696083 OA	This repository contains code to train and evaluate NNs for eye gaze estimation.
11	whatisthis_code	PD2 UKBA code	lucny@fmph.uniba.sk 0000-0001-6042-7434	Tuning-less Object Naming with a Foundation Model https://doi.org/10.48550/arXiv.2311.04924	**13.9 kB**	Zenodo https://doi.org/10.5281/zenodo.10702868 OA	This repository contains code to run the system for the tuning-less object naming and can be used by the research community.
12	whatisthis_data	PD1 UKBA data	lucny@fmph.uniba.sk 0000-0001-6042-7434	Tuning-less Object Naming with a Foundation Model https://doi.org/10.48550/arXiv.2311.04924		Zenodo https://zenodo.org/doi/10.5281/zenodo.10841424 OA	A set of images collected during interaction with the robot naming objects

#	DATASET NAME	PARENT DATASET	AUTHOR(S) (email + ORCID)	TITLE & OA PID of related publication	SIZE	REPOSITORY, PID & ACCESSIBILITY	EXPECTED IMPACT
13	BinGen_code	PD2_UKBA code	lukas.gajdosech@fmph.uniba.sk 0000-0002-8646-2147	Novel Synthetic Data Tool for Data-Driven Cardboard Box Localization https://doi.org/10.48550/arXiv.2305.05215	-	Zenodo https://doi.org/10.5281/zenodo.10649535 Restricted *(collaboration with the private sector)*	The code in this repository can be used to generate synth data and train a neural network for semantic segmentation.
14	BinGen_data	PD1_UKBA Exp Data	lukas.gajdosech@fmph.uniba.sk 0000-0002-8646-2147	Novel Synthetic Data Tool for Data-Driven Cardboard Box Localization https://doi.org/10.48550/arXiv.2305.05215	**3.4 GB**	Zenodo https://doi.org/10.5281/zenodo.10650158 OA	The data in this repository can be used to train neural networks for bin pose estimation.
15	WSL-SegTeeth_code	PD2_UKBA code	viktor.kocur@fmph.uniba.sk 0000-0001-8752-2685	Processing and Segmentation of Human Teeth from 2D Images using Weakly Supervised Learning https://doi.org/10.48550/arXiv.2311.07398	-	Zenodo https://doi.org/10.5281/zenodo.10688264 Restricted *(collaboration with the private sector)*	The code in this repository can be used to train a deep neural network for human teeth keypoint detection and segmentation. Restricted access due to collaboration with the private sector.
16	WSL-SegTeeth_data	PD1_UKBA Exp Data	viktor.kocur@fmph.uniba.sk 0000-0001-8752-2685	Processing and Segmentation of Human Teeth from 2D Images using Weakly Supervised Learning https://doi.org/10.48550/arXiv.2311.07398	-	Zenodo https://doi.org/10.5281/zenodo.10688365 Restricted *(collaboration with the private sector)*	This dataset contains images of human oral cavities with annotated keypoints of teeth. Few samples also have mask annotations. Restricted access due to collaboration with the private sector.
17	QuasiNet_code	PD2_UKBA code	kristina.malinovska@fmph.uniba.sk 0000-0001-7638-028X	Neural network with trainable product layers https://doi.org/10.48550/arXiv.2401.06137	**7.0 kB**	Zenodo https://doi.org/10.5281/zenodo.10702248 OA	Code for the proposed neural network implementation. The repository also contains experiments from the paper for replication.
18	GANShift_code	PD2_UKBA code	kristina.malinovska@fmph.uniba.sk 0000-0001-7638-028X	Controlling the Output of a Generative Model by Latent Feature Vector Shifting https://doi.org/10.48550/arXiv.2311.08850	**47.5 MB**	Zenodo https://doi.org/10.5281/zenodo.10708458 OA	The repository contains the code for the proposed method to be used by the research community.

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19	VR_SDM_code	PD2_UKBA code	ivan.polasek@fmph.uniba.sk 0000-0001-6004-701X	Collaborative software design and modeling in virtual reality https://doi.org/10.1016/j.infsof.2023.107369	-	Zenodo https://doi.org/10.5281/zenodo.10706815 Restricted *(collaboration with the private sector)*	Code for the system proposed in the paper.
20	VR_SDM_data	PD3_UKBA Exp. data	ivan.polasek@fmph.uniba.sk 0000-0001-6004-701X	Collaborative software design and modeling in virtual reality https://doi.org/10.1016/j.infsof.2023.107369	-	Zenodo https://doi.org/10.5281/zenodo.10706914 Restricted *(collaboration with the private sector)*	Data from human evaluations of the proposed method.
21	Xmodels_code	PD2_UKBA code	lukas.radosky@fmph.uniba.sk 0000-0003-3909-3219 ivan.polasek@fmph.uniba.sk 0000-0001-6004-701X	Executable Multi-Layered Software Models https://doi.org/10.1145/3643660.3643938	**644.9 MB**	Zenodo https://zenodo.org/doi/10.5281/zenodo.10710970 OA	The code in this repository is a software modelling tool using fusion of static and dynamic models, that is also able to generate source code in Python
22	SynthGaze_data	PD1_UKBA Exp. data	igor.farkas@fmph.uniba.sk 0000-0003-3503-2080	Appearance-based gaze estimation enhanced with synthetic images using deep neural networks https://doi.org/10.48550/arXiv.2311.14175	**16.95 GB**	Zenodo https://doi.org/10.5281/zenodo.10711778 OA	Synthetically generated gaze images which can be used for training of Gaze Estimation neural networks.
23	MHS-MXP_code	PD2_UKBA code	martin.homola@fmph.uniba.sk 0000-0001-6384-9771	Merge, Explain, Iterate: A Combination of MHS and MXP in an ABox Abduction Solver https://doi.org/10.5281/zenodo.10724508	**315.8 MB**	Zenodo https://doi.org/10.5281/zenodo.10708157 OA	Code for the methods presented in the paper.
24	ImAssocRob_code	PD2_UKBA code	andrej.lucny@fmph.uniba.sk 0000-0001-6042-7434	Robot at the mirror: learning to imitate via associating self-supervised models https://doi.org/10.48550/arXiv.2311.13226	**18.6 kB**	Zenodo https://doi.org/10.5281/zenodo.10713544 OA	Code for the methods presented in the paper. Can be used by the research community.
25	ImAssocRob_data	PD2_UKBA data	andrej.lucny@fmph.uniba.sk 0000-0001-6042-7434	Robot at the mirror: learning to imitate via associating self-supervised models https://doi.org/10.48550/arXiv.2311.13226	**575.7 MB**	Zenodo https://doi.org/10.5281/zenodo.10841497 OA	A set of simulated robot poses recorded during learning imitation at the mirror for various parameter setups

#	DATASET NAME	PARENT DATASET	AUTHOR(S) (email + ORCID)	TITLE & OA PID of related publication	SIZE	REPOSITORY, PID & ACCESSIBILITY	EXPECTED IMPACT
26	EduDrone_code	PD2_UKBA code	pavel.petrovic@fmph.uniba.sk 0000-0001-8308-0066	Using Programmable Drone in Educational Projects and Competitions https://doi.org/10.48550/arXiv.2402.17409	**1.9 MB**	Zenodo https://doi.org/10.5281/zenodo.10715699 OA	Code for the methods presented in the paper. Can be used by the research community.
27	DL Addressee Estimation Model for HRI - data	PD3_IIT_data	carlo.mazzola@iit.it 0000-0002-9282-9873	To Whom are You Talking? A Deep Learning Model to Endow Social Robots with Addressee Estimation Skills https://doi.org/10.48550/arXiv.2308.10757	**16.1 GB**	Zenodo https://doi.org/10.5281/zenodo.10711588 OA	Data derived from deep learning Addressee Estimation model trained on Vernissage Corpus
28	DL Addressee Estimation Model for HRI - code	PD4_IIT_code	carlo.mazzola@iit.it 0000-0002-9282-9873	To Whom are You Talking? A Deep Learning Model to Endow Social Robots with Addressee Estimation Skills https://doi.org/10.48550/arXiv.2308.10757	**58.3 kB**	Zenodo https://doi.org/10.5281/zenodo.10709858 OA	Code to train a deep learning Addressee Estimation model on Vernissage Corpus
29	NICOL_Software	PD 6 UHAM code	matthias.kerzel@uni-hamburg.de	NICOL: A Neuro-Inspired Collaborative Semi-Humanoid Robot That Bridges Social Interaction and Reliable Manipulation https://doi.org/10.1109/ACCESS.2023.3329370	**-**	UHAM Website https://www.inf.uni-hamburg.de/en/inst/ab/wtm/research/neurobotics/nicol.html	NICOL robot software and CAD/URDF files, including everything needed to run the CoppeliaSim simulation
30	cycleik_code	PD 6 UHAM code	jan-gerrit.habekost@uni-hamburg.de	CycleIK: Neuro-inspired Inverse Kinematics https://doi.org/10.1007/978-3-031-44207-0_38	-	Zenodo https://doi.org/10.5281/zenodo.17208436 OA	Implementation of CycleIK reproduce the results of the paper
31	Calib-F_code	PD 2 UKBA code	viktor.kocur@fmph.uniba.sk	Robust Self-calibration of Focal Lengths from the Fundamental Matrix https://doi.org/10.48550/arXiv.2311.16304	**134.4 kB**	Zenodo https://doi.org/10.5281/zenodo.14584742 OA	Implementation of the proposed method for robust self-calibration and experiments
32	Cause-RL_code	PD 2 UKBA code	cibula25@uniba.sk	Learning Low-Level Causal Relations Using a Simulated Robotic Arm https://doi.org/10.48550/arXiv.2410.07751	**2.9 MB**	Zenodo https://doi.org/10.5281/zenodo.14550231 OA	Implementation of the proposed methods and experiments in the paper
33	PetrzalkaDrive_code	PD 2 UKBA code	haladova@fmph.uniba.sk	A method for estimating roadway billboard salience https://doi.org/10.48550/arXiv.2501.07342	**32.8MB**	Zenodo 10.5281/zenodo.14652519.	Implementation of the methods proposed in the paper

#	DATASET NAME	PARENT DATASET	AUTHOR(S) (email + ORCID)	TITLE & OA PID of related publication	SIZE	REPOSITORY, PID & ACCESSIBILITY	EXPECTED IMPACT
34	RecViT_code	PD 2 UKBA code	stefan.pocos@fmph.uniba.sk 0000-0003-3799-7038	RecViT: Enhancing Vision Transformer with Top-Down Information Flow https://www.scitepress.org/PublicationsDetail.aspx?ID=YBKNc57tfvU=&t=1	**4.5MB**	Zenodo https://doi.org/10.5281/zenodo.14767157	Implementation of the proposed methods and experiments in the paper
35	hf_code	PD 2 UKBA code	viktor.kocur@fmph.uniba.sk	Three-view Focal Length Recovery From Homographies https://doi.org/10.48550/arXiv.2501.07499	**46.7kB**	Zenodo https://doi.org/10.5281/zenodo.14672713	Code for the camera calibration method and its evaluation
36	HomoTT	PD 1 UKBA data	viktor.kocur@fmph.uniba.sk	Three-view Focal Length Recovery From Homographies https://doi.org/10.48550/arXiv.2501.07499	**4.5 GB**	Zenodo https://doi.org/10.5281/zenodo.14638903	Dataset of planar scenes captured by calibrated cameras
37	rd_code	PD 2 UKBA code	viktor.kocur@fmph.uniba.sk	Are Minimal Radial Distortion Solvers Necessary for Relative Pose Estimation? https://doi.org/10.48550/arXiv.2410.05984	**36 kB**	Zenodo https://doi.org/10.5281/zenodo.14672694	Code for the method of camera calibration and relative pose estimation for cameras with radial distortion.
38	3d_rot	PD 2 UKBA code	viktor.kocur@fmph.uniba.sk	On Representation of 3D Rotation in the Context https://doi.org/10.48550/arXiv2410.10350	**1.64 MB**	Zenodo https://doi.org/10.5281/zenodo.14704247	Code for the implemented evaluation of 3D rotation representations using synth and real data
39	LECT_code	PD 2 UKBA code	zuzana.cernekova@uniba.sk	Detection of Vascular Leukoencephalopathy in CT Images https://arxiv.org/abs/2501.09863	**7 MB**	Zenodo https://doi.org/10.5281/zenodo.14711814	Code for Detection of Vascular Leukoencephalopathy in CT Images
40	LECT_models	PD 1 UKBA exp.data	zuzana.cernekova@uniba.sk	Detection of Vascular Leukoencephalopathy in CT Images https://arxiv.org/abs/2501.09863	**13.7 MB**	Zenodo https://doi.org/10.5281/zenodo.14711380	Trained models for Detection of Vascular Leukoencephalopathy in CT Images
41	EMLSM_code	PD 2 UKBA code	ivan.polasek@fmph.uniba.sk	Executable Multi-Layered Software https://doi.org/10.48550/arXiv.2501.08186	**76.8 MB**	Zenodo https://doi.org/10.5281/zenodo.14714535	Code for the software visualisation and animation method presented in the paper.
42	EMLSM_data	PD 1 UKBA exp. data	ivan.polasek@fmph.uniba.sk	Executable Multi-Layered Software https://doi.org/10.48550/arXiv.2501.08186	**52.9 kB**	Zenodo https://doi.org/10.5281/zenodo.14714553	Data for software visualisation and animation used in the paper.

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43	threeview_code	PD 2 UKBA code	viktor.kocur@fmph.uniba.sk	Practical Solutions to the Relative Pose of Three Calibrated Cameras https://doi.org/10.48550/arXiv.2303.16078	**476.3 kB**	Zenodo https://doi.org/10.5281/zenodo.16599943	Code for evaluation of methods for the threeview relative pose problem of calibrated cameras
44	threeview_data	PD 1 UKBA exp. data	viktor.kocur@fmph.uniba.sk	Practical Solutions to the Relative Pose of Three Calibrated Cameras https://doi.org/10.48550/arXiv.2303.16078	**354 MB**	Zenodo https://doi.org/10.5281/zenodo.16603086	Extracted matches and GT poses for evaluation of methods for the threeview relative pose problem
45	GlassNICOL_code	PD 2 UKBA code	lukas.gajdosech@fmph.uniba.sk	Shaken, Not Stirred: A Novel Dataset for Visual Understanding of Glasses in Human-Robot Bartending Tasks https://doi.org/10.48550/arXiv.2503.04308	**< 1 MB**	Zenodo https://doi.org/10.5281/zenodo.17076764	Code with data processing, model implementation and evaluation for detection of glass objects with NICOL robot
46	GlassNICOL_dataset	PD 5 UHAM exp. data	lukas.gajdosech@fmph.uniba.sk	Shaken, Not Stirred: A Novel Dataset for Visual Understanding of Glasses in Human-Robot Bartending Tasks https://doi.org/10.48550/arXiv.2503.04308	**100 MB**	Zenodo https://doi.org/10.5281/zenodo.17076895	Dataset for evaluation of glass objects detection with NICOL robot
47	MMITF_code	PD 6 UHAM code	luca.muller@uni-hamburg.de	Pointing-Guided Target Estimation via Transformer-Based Attention https://doi.org/10.48550/arXiv.2509.05031	**380 kB**	Zenodo https://doi.org/10.5281/zenodo.17077063	Code for research project that uses a Transformer model with Intermodality Attention to predict which object a person is pointing at in 2D images.
48	TrajGen_code	PD 2 UKBA code	lucny@fmph.uniba.sk	Generating and Customizing Robotic Arm Trajectories using Neural Networks https://doi.org/10.48550/arXiv.2506.20259	**102.4 kB**	https://doi.org/10.5281/zenodo.15789671	Code for research project that generates exact trajectories of given legible shape via training neural networks
49	TrajGen_data	PD 1 UKBA exp. data	ucny@fmph.uniba.sk	Generating and Customizing Robotic Arm Trajectories using Neural Networks https://doi.org/10.48550/arXiv.2506.20259	**3.2 MB**	https://doi.org/10.5281/zenodo.15789880	Data for research project that generates exact trajectories of given legible shape via training neural networks
50	SS-TP_code	PD 2 UKBA code	cibula25@uniba.sk 0009-0000-8460-6533	Towards Bio-Inspired Robotic Trajectory Planning via Self-Supervised RNN https://doi.org/10.48550/arXiv.2507.02171	**1.3 MB**	Zenodo https://doi.org/10.5281/zenodo.17127997 OA	Implementation of the proposed methods and experiments in the paper
51	Legibility_exp_code	PD 2 UKBA code	michal.vavrecka@cvut.cz	Examining the legibility of humanoid robot arm movements in a pointing task https://doi.org/10.48550/arXiv.2508.05104	**101.6 kB**	https://doi.org/10.5281/zenodo.16962622	Code for the legibility experiment

#	DATASET NAME	PARENT DATASET	AUTHOR(S) (email + ORCID)	TITLE & OA PID of related publication	SIZE	REPOSITORY, PID & ACCESSIBILITY	EXPECTED IMPACT
52	Legibility_exp_data	PD 1 UKBA exp. data	michal.vavrecka@cvut.cz	Examining the legibility of humanoid robot arm movements in a pointing task https://doi.org/10.48550/arXiv.2508.05104	**218 kB**	https://doi.org/10.5281/zenodo.16962714	Data for the legibility experiment
53	S2R-RobCal_code	PD 2 UKBA code	gavura4@uniba.sk 0009-0006-2487-0782	Robotic Calibration Based on Haptic Feedback Improves Sim-to-Real Transfer https://doi.org/10.48550/arXiv.2507.08572	**2.6 MB**	Zenodo https://doi.org/10.5281/zenodo.17167890 OA	Code for the paper
54	applesoranges_code	PD 6 UHAM code	hassan.ali@uni-hamburg.de 0000-0001-9907-1834	Comparing Apples to Oranges: LLM-Powered Multimodal Intention Prediction in an Object Categorization Task https://doi.org/10.1007/978-981-96-3525-2_25	**85.2 kB**	Zenodo, https://doi.org/10.5281/zenodo.17184581 OA	The code blocks that enable the robot to perceive the user's gestures and surrounding environment (objects on the table).
55	applesoranges_data	PD 5 UHAM Exp Data	hassan.ali@uni-hamburg.de 0000-0001-9907-1834	Comparing Apples to Oranges: LLM-Powered Multimodal Intention Prediction in an Object Categorization Task https://doi.org/10.1007/978-981-96-3525-2_25	**9.3 kB**	Zenodo, https://doi.org/10.5281/zenodo.17184640 OA	The repository includes a sample interaction between the user and robot which can be used to create an interactive demo as in the paper.
56	llmmultitask_code	PD 6 UHAM code	hassan.ali@uni-hamburg.de 0000-0001-9907-1834	Robots Can Multitask Too: Integrating a Memory Architecture and LLMs for Enhanced Cross-Task Robot Action Generation https://doi.org/10.1109/Humanoids58906.2024.10769803	**2.8 kB**	Zenodo, https://doi.org/10.5281/zenodo.17184086 OA	The repository includes task prompts used to define the robot's capabilities for different experiments. Running the prompts require external dependencies mentioned in the paper.
57	llmmultitask_data	PD 5 UHAM Exp Data	hassan.ali@uni-hamburg.de 0000-0001-9907-1834	Robots Can Multitask Too: Integrating a Memory Architecture and LLMs for Enhanced Cross-Task Robot Action Generation https://doi.org/10.1109/Humanoids58906.2024.10769803	**98 kB**	Zenodo, https://doi.org/10.5281/zenodo.17183948 OA	The repository includes experimental data generated using the developed system.
58	MMITF_data	PD 5 UHAM Exp Data	hassan.ali@uni-hamburg.de 0000-0001-9907-1834	Pointing-Guided Target Estimation via Transformer-Based Attention https://doi.org/10.1007/978-3-032-04552-2_10		Zenodo, https://doi.org/10.5281/zenodo.17200616 OA	Data and various augmentations to train and evaluate a Transformer model with Intermodality Attention to predict which object a person is pointing at in 2D images.

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#	DATASET NAME	PARENT DATASET	AUTHOR(S) (email + ORCID)	TITLE & OA PID of related publication	SIZE	REPOSITORY, PID & ACCESSIBILITY	EXPECTED IMPACT
59	TRD_data	PD 1 UKBA exp. data	lucny@fmph.uniba.sk	Teaching a Robot to Draw https://doi.org/10.5281/zenodo.14771416		Zenodo https://doi.org/10.5281/zenodo.14713225 OA	Dataset containing the drawings by the robot and the human participants
60	diffusion_data	PD 5 UHAM Exp Data	josua.spisak@uni-hamburg.de 0009-0005-6625-4980	Diffusing in Someone Else's Shoes: Robotic Perspective Taking with Diffusion https://doi.org/10.1109/Humanoids58906.2024.10769830		Zenodo https://doi.org/10.5281/zenodo.17235665 OA	Experimental data related to the publication Diffusing in Someone Else's Shoes: Robotic Perspective Taking with Diffusion
61	cycleik_code	PD 6 UHAM code	jan-gerrit.habekost@uni-hamburg.de 0009-0007-9812-7614	CycleIK: Neuro-inspired Inverse Kinematics https://doi.org/10.1007/978-3-031-44207-0_38		Zenodo https://doi.org/10.5281/zenodo.17208436 OA	Code used to train a neural model to control the arms of the NICOL robot
62	llminteractive_code	PD 6 UHAM Code	jonas.werner@uni-hamburg.de	LLM-based Interactive Imitation Learning for Robotic Manipulation https://doi.org/10.48550/arXiv.2504.21769		Zenodo https://doi.org/10.5281/zenodo.17193925 OA	Code for the paper
63	SketchIt_code	PD 4 IIT Code	lorenzo.morocutti@iit.it	Sketch it for the robot! How child-like robots' joint attention affects humans' drawing strategies https://doi.org/10.1109/ICDL61372.2024.10644384	**58.7 kB**	Zenodo https://doi.org/10.5281/zenodo.10944480 OA	This repository holds the code developed for the project "Sketch it for the robot! How child-like robots' joint attention affects humans' drawing strategies".
64	SketchIt_data	PD 3 IIT Exp. Data	lorenzo.morocutti@iit.it	Sketch it for the robot! How child-like robots' joint attention affects humans' drawing strategies https://doi.org/10.1109/ICDL61372.2024.10644384	**28.5 MB**	Zenodo https://doi.org/10.5281/zenodo.10943977 OA	This repository holds the data collected during the experimental sessions for the project "Sketch it for the robot! How child-like robots' joint attention affects humans' drawing strategies".
65	Addresee_code	PD 4 IIT code	carlo.mazzola@iit.it	A Multi-Modal Explainability Approach for Human-Aware Robots in Multi-Party Conversation https://doi.org/10.48550/arXiv.2407.03340	**280 kB**	Zenodo https://doi.org/10.5281/zenodo.14883488 OA	Code for the paper to train and evaluate the model for multi-party addressee estimation with explanation.

#	DATASET NAME	PARENT DATASET	AUTHOR(S) (email + ORCID)	TITLE & OA PID of related publication	SIZE	REPOSITORY, PID & ACCESSIBILITY	EXPECTED IMPACT
66	Addresee_data	PD 3 IIT exp. data	carlo.mazzola@iit.it	A Multi-Modal Explainability Approach for Human-Aware Robots in Multi-Party Conversation https://doi.org/10.48550/arXiv.2407.03340	**157 MB**	Zenodo https://doi.org/10.5281/zenodo.14833239 OA	The personal data collected with iCub to retrain the XAE model and improve the real-time addressee estimation accuracy on the robot and test the accuracy of the model in real-time interactions.

3. Abbreviations & keywords

Table 6. *Abbreviations and keywords.*

Abbreviation/ Keyword	Definition
CD	Child-Dataset
DMP	Data Management Plan
DOI	Digital Object Identifier
IIT	Italian Institute of Technology
PD	Parent-Dataset
PID	Persistent Identifier
TERAIS	Towards Excellent Robotics and Artificial Intelligence at a Slovak University
UKBA	Comenius University Bratislava (Univerzita Komenského v Bratislave)
UHAM	University of Hamburg