NEWSLETTER 4

ViCom DATA NETWORK

March 2025

▶ NEW SCRIPTS

Kadavá, Š., Snelder, J. & Pouw, W. (2024) **Recording from Multiple Webcams Synchronously while LSL Streaming.**
Check it out

Kadavá, Š. & Pouw, W. (2024) **3D motion tracking using multiple cameras with OpenPose and Pose2Sim.**
Check it out

Nalbantoğlu, H. & Kadavá, Š. (2025) **Multi-Scenario Video and Audio Synchronization and Segmentation.**
Check it out

▶ DATA COLLECTION TEAM

Building on the foundational work of the Data Network, the **Data Collection Team** emerged as a self-organized initiative within the ViCom community, driven by 13 dedicated members. This collaborative team is currently developing a **best-practice protocol** for **managing multimodal research data**, with a particular focus on the first phase: data collection. Their work is structured in three phases, and they are finalizing the data collection section, which is set to be released as a preprint in the first half of 2025. This protocol will offer **practical guidelines for multimodal researchers** within and beyond ViCom, ensuring a standardized approach to **data management**. Ultimately, the team aims to publish the full protocol in an open-access journal to encourage widespread adoption and enhance research data management practices across the field.

MEMBERS

Federica Amici

Anastasia Bauer

Aleksandra Ćwiek

Susanne Fuchs

Lisa-Marie Krause

Anna Kuder

Silva Ladewig

Marc Schulder

Martin Schulte-Rüther

Petra Schumacher

Door Spruijt

Patrick Trettenbrein

Chiara Zulberti

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▶ **DATA NETWORK AT VICOM ANNUAL MEETING 2024**

On November 14, 2024, the Data Network coordinating team gave a **presentation at the ViCom Annual Meeting 2024**, where we:

- Presented the progress made during the last year: Through iterative surveys and in-person meetings, we developed a general metadata standard to support consistent documentation across diverse dataset types.
- Showcased the pilot release of the first full dataset from the FLESH project, which demonstrated archiving practices aligned with ViCom's flexible, bottom-up, community-driven approach, in a decetralized data storage approach.

Looking ahead, we will continue our decentralized model while finalizing our metadata guidelines and rolling out the full multimodal best-practice protocol. Key upcoming steps include:

- Developing standardized data usage agreement templates in collaboration with the legal team at Goethe University
- Facilitating internal sharing of ethical approvals to streamline data access across projects
- Exploring standardized strategies for collecting participant metadata (e.g., Big Five personality traits, handedness) to enhance dataset comparability and enable broader cross-project analyses