s.w.an-Suite – Your Process Mapping Tool

Intuitive recording and analysis of complex processes

GENERAL FEATURES OF THE TOOL

Synchronous coding of live and video observation (Time-Sampling Method)	Simple, concise, and detailed data acquisition.
Organization of the encodings in work packages (WBS)	Project-specific grouping of: • coding systems • encodings • multimedia content • analyses …with the aim to enhance and organize vast amounts of observational data.
Time-based and automatic storage of observation encodings	Your acquired data will be saved continuously.

CONFIGURATION (ASSEMBLY) OF THE ENCODING

Unrestricted configuration of the process and activity encoding • agent • activities • events • conditions • questionnaire • metadata	Your tool to precisely capture and reproduce complex observations – exact to the second! ⇒ *OR-surgeon 1, left hand* ⇒ *cutting, using scalpel* ⇒ *unexpected hemorrhage* ⇒ *OR-phase: incision-closure* ⇒ *interviewing the participants* ⇒ *operating room, type of intervention, position,...*
Breakdown of the coding system into categories and coding elements	Detailed recording of the process observed
Customizability of the coding system	An extension and alteration of the coding system is possible at all times to enable the user to deal with changing recording conditions.

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RECORDING

Coding by means of keystroke combinations	Acceleration and simplification of the recoding procedure.
Hotkeys for recurring observation encodings	Frequently recurring coding sequences are incorporated by means of special buttons on the user interface.
Processing of the encoding using drag & drop	Simplified editing of recorded elements (temporal information relocation and other changes).
Support of semantic relations during observation recording	Enhanced logical coding coherence and lucidity.
Postprocessing of the encoding	Optional and unrestricted handling and amenability of the encoded data.
Copy and paste function	No unnecessary repetition of frequent or recurring encoding steps.

LIVE-RECORDING

Touchscreen encoding interface	The touchscreen interface enables control via finger movements during live-observation. Mobile acquisition devices (tablet PC) may be used.
Synchronization of encoded live-observation with video sources	Simple synchronization of your encoded live-observation with any desired videos of the process.

VIDEO-ENCODING

Supports all current video formats	Independent choice of video gear. No code-conversion necessary.
Centralized and synchronized control of multiple videos	No complex handling of various video cameras and videos.
Navigation within the videos via process encodings	Quick location of video sequences using process encodings.
Simultaneous analysis of any desired videos	No multiple and ineffectual encoding of the same observation.
Storage of the array of the video screens while using multiple monitors	No need to rearrange the videos of the single observations every time they are used.

ANALYSIS

Computation of aggregated observations at the click of a mouse	Neat arrangement of the observation data. Interpretability of the data according to statistic parameters (variance, standard digression, mean value, etc.).
Evaluation using specialized algorithms for analysis	Enables a complex analysis of your encoded observations.
Customized export of evaluation tables (Excel, CSV)	Transferability of your encoded data to other analysis tools, such as SPSS, R, Excel, etc.
Interpretability of project-related statistic analysis algorithms	Interpretation of project-related issues.
Visualization of the recorded observations	Simultaneous visualization and comparability of the recorded data. Neat arrangement of your recorded observations.
Storage of the recordings using data formats for database applications	Integration of the acquired data into the existing data pool.
Intelligent filtering of data during analysis	Refinement and filtering of the analysis results according to freely selectable criteria.