

Research projects to support clinical medicine

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Motivation for clinical studies

- GRID applications to process of extensive data sets:
multi parameter, and highly sampled biosignals
Example sleep laboratory with EEG, EOG, EMG, ECG, respiration
- GRID applications to process distributed data sets:
Phenotyping for specific disorders on the basis of characteristic biosignals. Examples are obstructive sleep apnea, periodic limb movement syndrome, Insomnia
- GRID application to process data using standardized data formats:
A standard data format for digital neurophysiological biosignals is available and supported since 1992 (the EDF file format).

