BESA NEUROSPEC Research Neurosciences

Why choose BESA Research?



BESA

Is this you? Then BESA will be perfect for you!

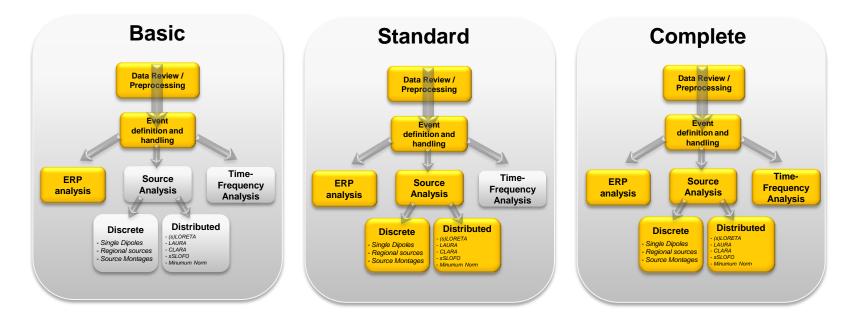
- I want to use the most advanced methods for data analysis without having to program.
- I want a program that allows me everything from preprocessing to source analysis, time-frequency analysis and source coherence.
- I want a program that is easy to use.
- I want to analyze a large number of datasets quickly.
- I want to be able to compute cross-subjects statistics of my EEG analysis results without having to switch programs.
- I want to be able to use realistic head models (FEM).

Coming in Autumn

BESA Research offers...

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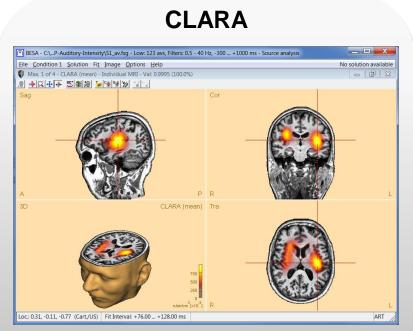
A modular system fitted to your needs



+ BESA Statistics: Cross-subject statistics of ERPs, Source Waveforms, Images, Time-Frequency Data
+ BESA MRI: Coregistration of EEG/MEG with individual MRI, creating FEM models
+ BESA MEG: Tools for MEG analysis

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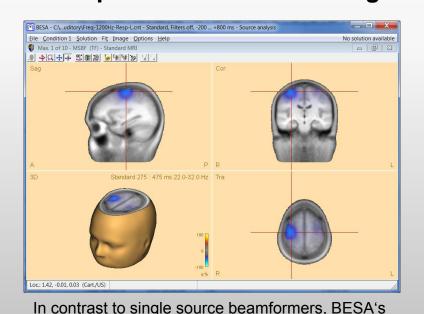
Besides BESA's well known discrete source analysis techniques, BESA Research offers a wide range of distributed source models (LORETA, sLORETA, LAURA, Minumum Norm, sSLOFO, **CLARA**) and a **multiple source beamformer**.



CLARA is an iterative distributed source analysis technique developed by BESA yielding much **more focal** results than classic distributed techniques.

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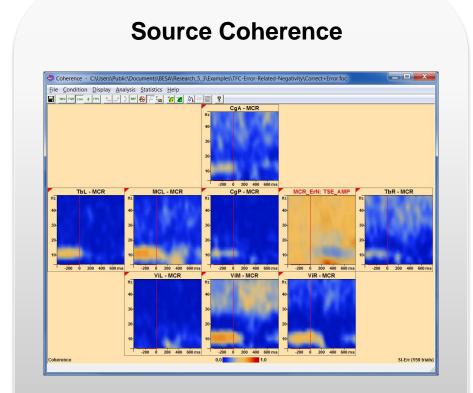
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Multiple Source Beamforming

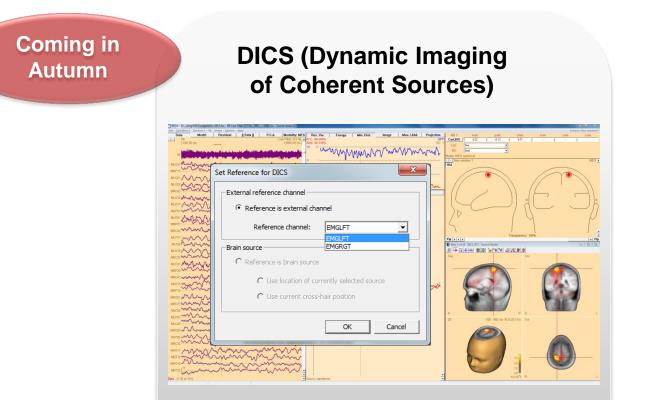
In contrast to single source beamformers, BESA's multiple source beamformer is able to **image highly correlated sources** in the time-frequency domain.





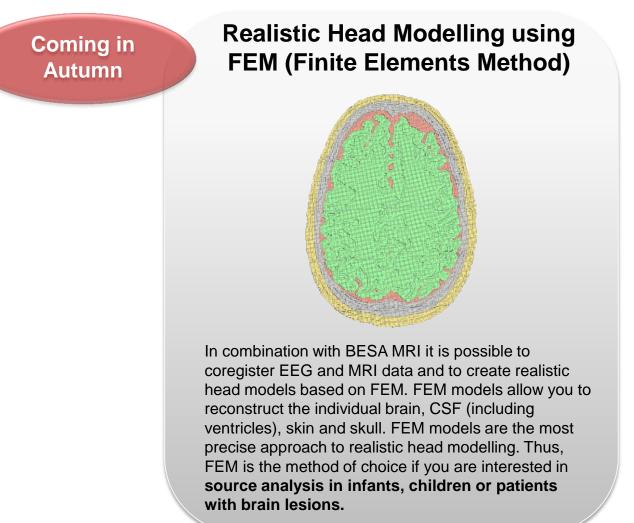
Using BESA's unique source montages approach it is possible to compute coherence in source space even without prior source fitting.

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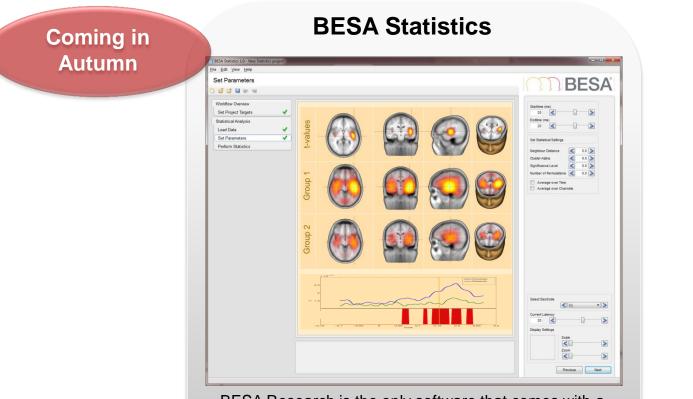


DICS allows to compute coherence between any pair of locations in the brain or between an external channel and a brain source.

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BESA Research is the only software that comes with a **workflow-guided statistics toolbox** for cross-subject analysis of ERPs, source waveforms, images and time-frequency data. BESA Statistics calculates parameter-free permutation tests and creates high-quality graphics ready for publishing. **No switching programs anymore!**

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