# **BESA**®

# BESA MRI

CE-certified software for coregistering EEG / MRI and creating FEM models



# BESA

## **BESA MRI 2.0**

Creating individual FEM models made easy

- Integrated workflow
  - Maximally intuitive and user-friendly
  - Context-related help
- Automatic inhomogeneity correction
  - For the best segmentation results
- Automatic segmentation
  - Scalp, skull, CSF, brain
- FEM model generation
  - Automated setup of FEM model including CSF layer
  - Geometry-adapted hexahedral meshes
  - All FEM meshes, surfaces and lead fields are exportable
- Coregistration
  - With individually digitized electrodes or standard electrodes
- Using individual anatomy
  - Individual realistic FEM models sent to BESA<sup>®</sup> Research for source analysis
  - Instant projection of cortical source reconstructions on the individual anatomy in BESA<sup>®</sup> Research

### Scalp/Cortex Reconstruction



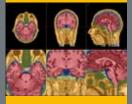
Scalp and cortex of the subject are automatically segmented.

#### **Electrode Coregistration**



Easy coregistration of standard or digitized electrodes with MRI data

#### FEM Model



Automatic setup of 4-layer FEM model

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