

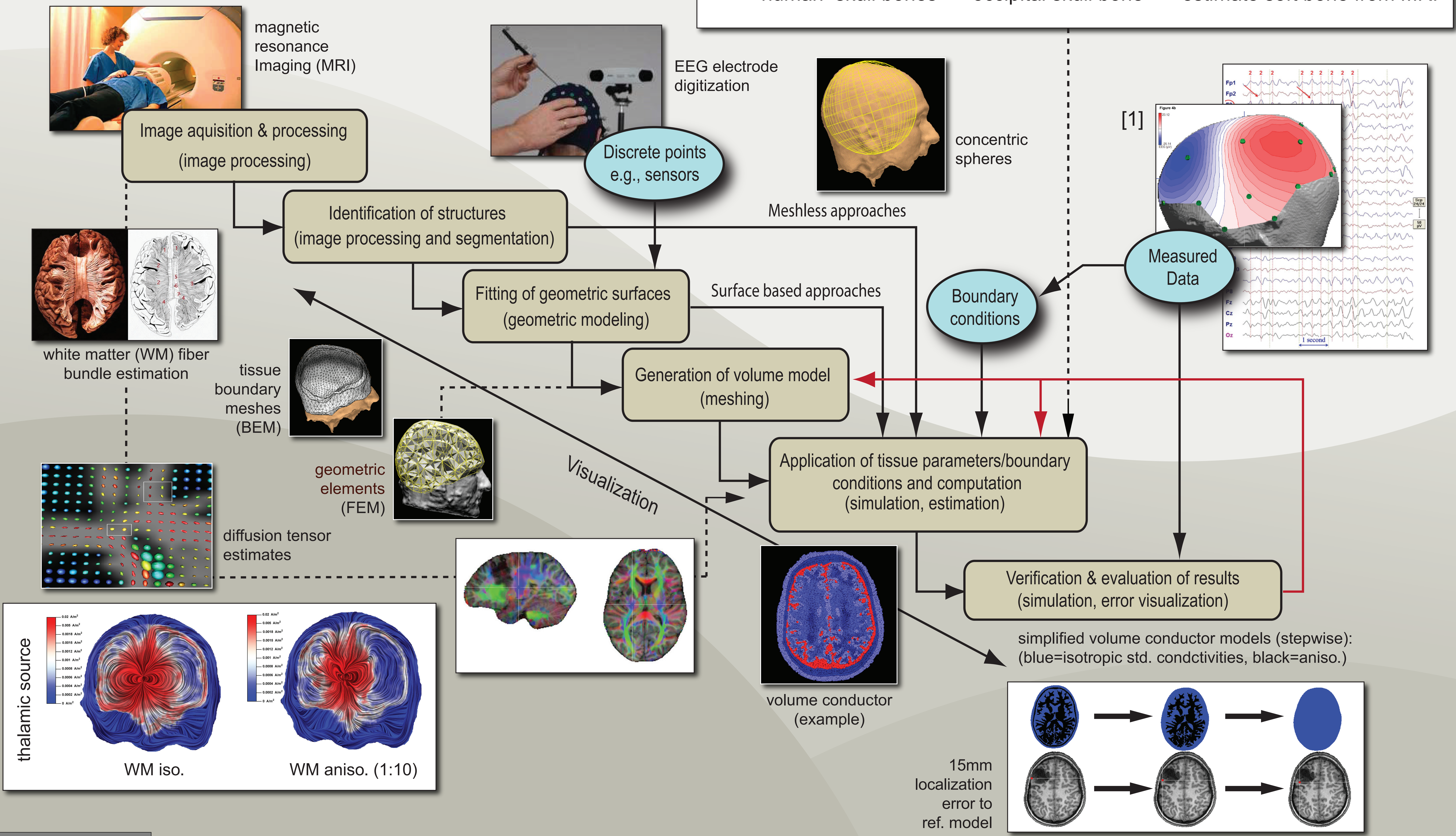
# Volume conductor modeling of the human head for electroencephalography (EEG) used in epilepsy

Q: What is anisotropic conductivity ?  
 A: anisotropic conductivity depends on spatial direction!

Kleenex (isotropic)      Newspaper (anisotropic)

Skull modeling:

human skull bones      occipital skull bone      estimate soft bone from MRI



[1] Rullmann, M., Anwander, A., Dannhauer, M., Warfield, S. K., Duffy, F. H., & Wolters, C. H. EEG source analysis of epileptiform activity using a 1mm anisotropic hexahedra finite element head model. *NeuroImage*, 44, 399-410

