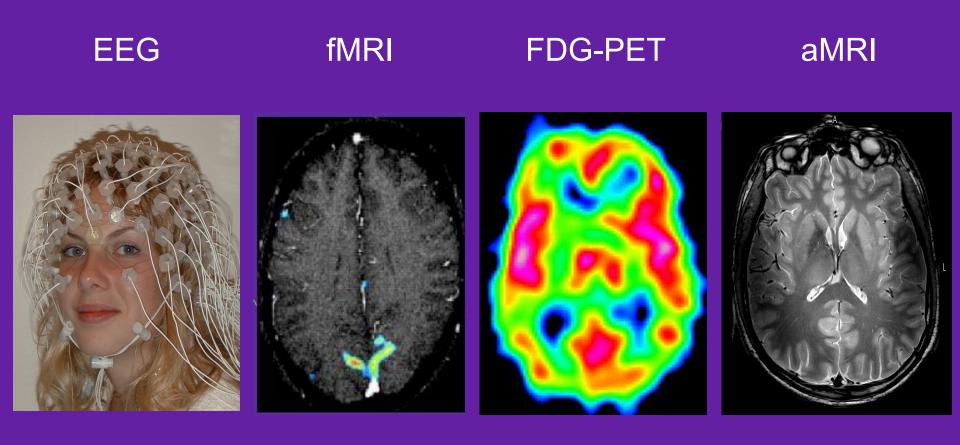
Neuroimaging technologies



ms

sec



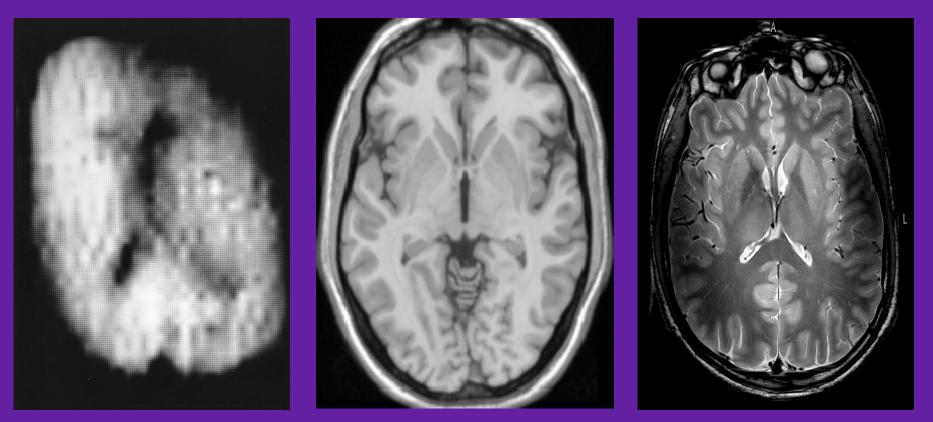
indefinite

Magnetic Resonance Imaging: the MRI scanner





Improvements in MRI resolution



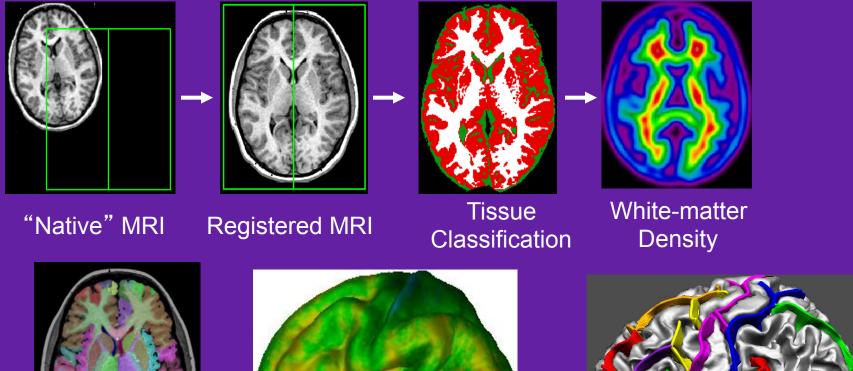
0.1T Nottingham, 1978

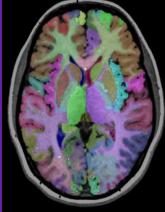
1.5T, 27 averages Montreal, 1995

7.0T Nottingham, 2005

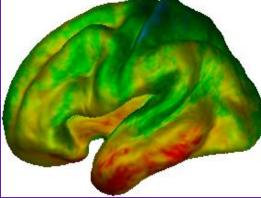
Image processing of MRI inputs

Analysis





Segmentation



Cortical thickness

Cerebral sulci

fMRI imaging

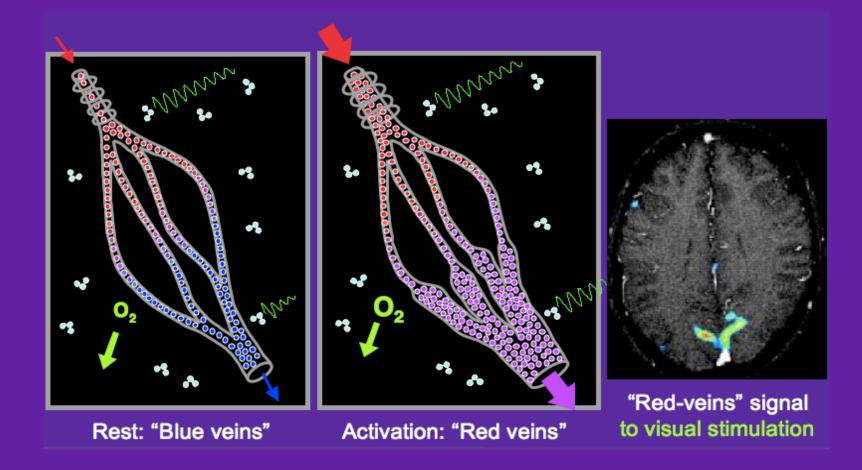


Image © 2010 DigitalGlobe © 2010 Cnes/Spot Image



30°49'53.81" S 121°21'30.30" E elev 0 m

Eye alt 2.23 km

In a bit more detail

- Sercombe, H. (2010) Risk dynamics and the teenage brain. In *Counselling Children and Young People.* March. At http://www.ccyp.co.uk/journal.php
- Sercombe, H. (2010) The teen brain research: critical perspectives. *Youth and Policy*. No 105.
- Sercombe, H. (2010) The gift and the trap: working the "teen brain" research into our concept of youth. *Journal* of Adolescent Research Vol 25 No 1 pp 31-47.
- Sercombe, H. and Paus, T. (2009) The teen brain research: implications for practitioners. *Youth and Policy* No. 103, Summer, pp 25-38.