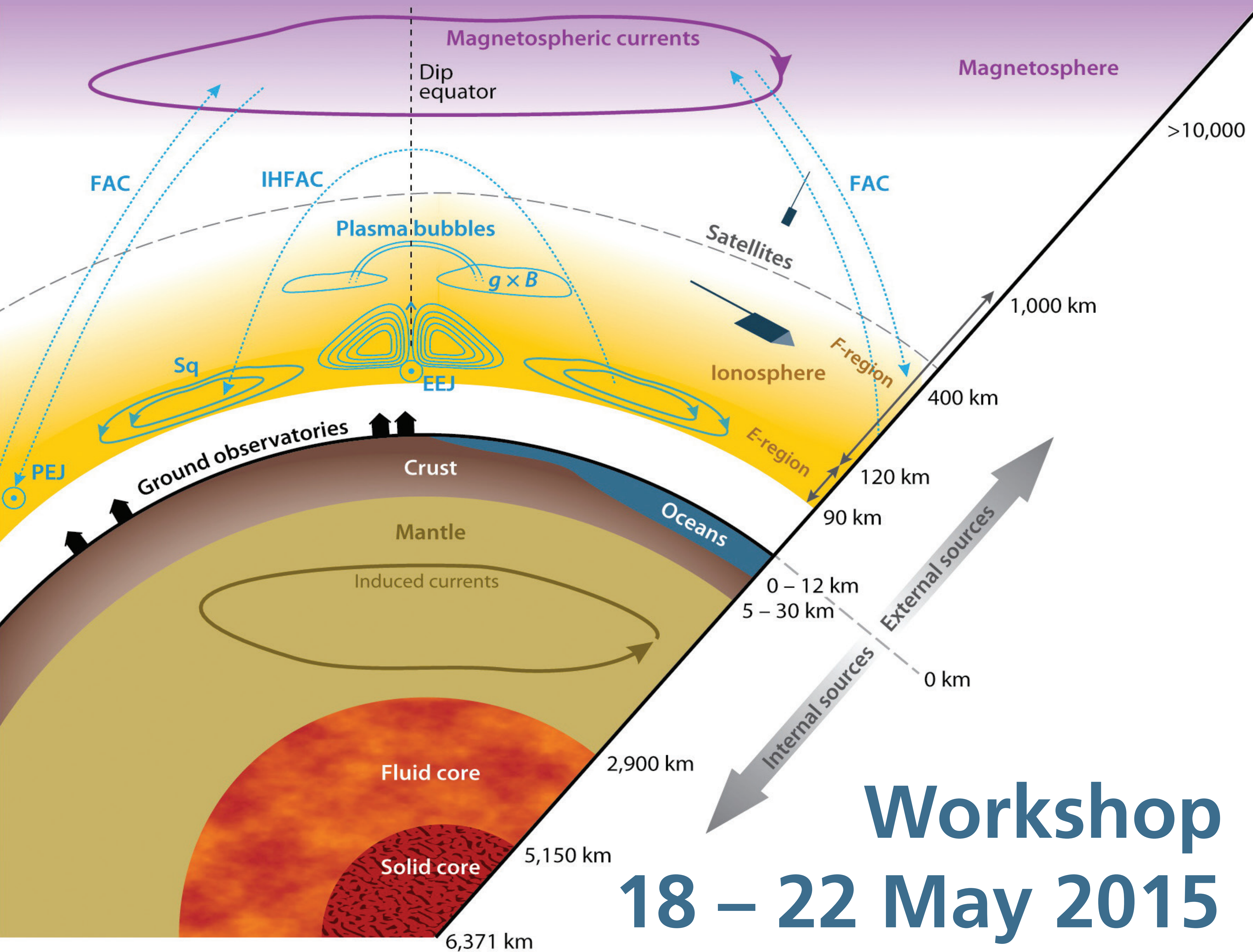


Understanding Sources from the Earth's Interior and its Environment



Workshop 18 – 22 May 2015

The Earth's magnetic field results from different sources: internal sources due to fluid motion in the Earth's outer core and magnetized rocks in the lithosphere, and external sources due to electric currents in the ionosphere and magnetosphere. Magnetic field observations taken at ground level and in space can be used to describe and interpret the various sources, e.g. regarding core field secular variation, solar-terrestrial interaction in near Earth space, and processes in the ionosphere. However, a meaningful investigation of the different processes requires their proper isolation in magnetic field observations.

The Workshop is convened by

- * Claudia Stolle, Helmholtz Centre Potsdam, GFZ German Research Centre for Geosciences, Potsdam, Germany
- * Nils Olsen, Technical University of Denmark, Copenhagen, Denmark
- * Art Richmond, High Altitude Observatory, National Center for Atmospheric Research, Boulder, USA
- * Hermann Opgenoorth, Swedish Institute of Space Physics, Uppsala, Sweden