Further Reading List for Public Lecture: The future of plate tectonics: delving into the deep interior of our planet

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The reading list can be found at: www.geolsoc.org.uk/futureofplatetectonics

Popular Articles and Resources

Background

a. The Geological Society: Plate Tectonics Online Resource
   https://www.geolsoc.org.uk/Plate-Tectonics
b. The Geological Society: Plate Tectonic Stories
   www.geolsoc.org.uk/tectonicstories
c. The Geological Society: The Dan McKenzie Archives
   www.mckenziearchive.org/
d. Open Learn: Plate Tectonics
   www.open.edu/openlearn/science-maths-technology/science/geology/plate-tectonics/content-section-5.3.1
e. BBC: Plate tectonics: When we discovered how the Earth really works
   www.bbc.co.uk/news/science-environment-41472281

The structure of the Earth

a. British Geological Survey: The Structure of the Earth
   www.bgs.ac.uk/discoveringGeology/hazards/earthquakes/structureOfEarth.html
b. UCL: Earth
   www.ucl.ac.uk/seismin/explore/Earth.html
c. Sciencing: What Causes Convection Currents on the Mantle?
   https://sciencing.com/causes-convection-currents-mantle-6581412.html

The core – mantle boundary

a. Scientific American: The Core – Mantle Boundary

   www.scientificamerican.com/article/the-core-mantle-boundary-2005-07/

b. University of Oxford: Seismology in the deep mantle: a new structural interpretation

   www.earth.ox.ac.uk/2017/05/seismology-in-the-deep-mantle-a-new-structural-interpretation/

c. The Royal Society: Between a rock and a hot place: the core–mantle boundary

   http://rsta.royalsocietypublishing.org/content/366/1885/4543

d. Phil Heron: 'Blobs' of material at the core-mantle boundary

   https://philheron.com/2016/09/08/egaata-1-blobs-of-material-at-the-core-mantle-boundary/

e. ESRF: Melting of subducted basalt at the core-mantle boundary

   www.esrf.eu/home/UsersAndScience/Publications/Highlights/highlights-2014/DEC/DEC08.html

The future of plate tectonics

a. The Conversation: Plate tectonics: new findings fill out the 50-year-old theory that explains Earth's landmasses

   https://theconversation.com/plate-tectonics-new-findings-fill-out-the-50-year-old-theory-that-explains-earths-landmasses-55424

b. BBC: In 250 million years, Earth might only have one continent

   www.bbc.co.uk/earth/story/20160729-in-250-million-years-earth-might-only-have-one-continent

c. Smithsonian: Study Says Earth's Plate Tectonics May Be Just a Phase

   www.smithsonianmag.com/science-nature/study-says-earths-plate-tectonics-may-be-just-phase-180959705/

d. Geological Society blog: The future of plate tectonics research: The International Ocean Discovery Program

   https://blog.geolsoc.org.uk/2017/11/03/the-future-of-plate-tectonics-research-the-international-ocean-discovery-program/

Articles

McNamara, A. K., *A review of large low shear velocity provinces and ultra low velocity zones.* Tectonophysics. 30 April 2018.