

# Reading assignment Van der Hilst (14/04/1998)

In the week of 27 April 1998 we will have an open discussion on issues pertinent to the scale of convection. The discussion will be triggered by arguments pro and con layered convection as presented by two group of students.

**As some additional reading, please study the following papers that use seismic images to support their view of the scale of mantle flow:**

- Wen, L., and D. L. Anderson, The fate of slabs inferred from seismic tomography and 130 million years of subduction, *Earth Planet. Sci. Lett.*, **133**, 185-198, 1995.
- Richards, M. A., and D. C. Engebretson, Large scale mantle convection and the history of subduction, *Nature*, **355**, 437-440, 1992.
- Phipps Morgan, J., and P. M. Shearer, Seismic constraints on mantle flow and topography of the 660-km discontinuity: evidence for whole-mantle convection, *Nature*, **365**, 506-511, 1993.