

Roughly 15 years ago I proposed the idea that Earth's magnetosphere (MS) could serve as a sensory canvas in the sense that biological systems, in particular the vertebrate brain, could have sensory representations realized at the "personal" magnetic body (MB) closely associated with the MS of the Earth. EEG would make communications to and control by MB possible.

At that time I did not yet have the idea about number theoretical realization of the hierarchy of Planck constants  $h_{\text{eff}}=nh_0$  in the framework of adelic physics fusing the physics of sensory experience and cognition. This hierarchy is crucial for understanding the basic aspects of living matter such as metabolism, coherence in long scales, correlates of cognition, and even evolution.

Also the concept of zero energy ontology (ZEO) forming now the basis of the quantum TGD was missing although there was already the about communication to past using negative energy signals. ZEO is now in a central role in the understanding of self-organization – not only the biological one. The new view about time predicting that time reversal occurs in ordinary state function reductions (SFRs) allows to understand homeostasis as self-organized quantum criticality.

For these reasons it is interesting to consider the notion of sensory canvas from the new perspective. This article discusses besides the earlier ideas about the MS also the proposal that it is possible to associate EEG bands to the regions of MS via the correspondence between EEG frequency with the distance of the region from Earth. Also the idea that the structure of MS could be a fractal analog of the vertebrate body is tested quantitatively by comparing various scales involved.