



## **Improvement expected from multiscale measurements: two Cluster studies**

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We present two cases for which Cluster measurements at the terrestrial magnetopause allow to have a deep insight on the occurrence of two fundamental plasma processes: magnetic reconnection and Kelvin-Helmholtz instability. Moreover, the coordinated analysis between Cluster data and ground based measurements illustrates the effect of such processes on the magnetospheric global scale. However many aspects remain unclear. We will show how a multiscale satellite mission would improve the understanding of key features in both cases. Beside, we will highlight which instrument characteristic would be necessary in order to fully exploit the potentiality of a multiscale mission.