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A Geophysics Environmental Package for the ExoMars Mission

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Exomars is the first Mission in the ESA Aurora Program, and to be launched to Mars in 2013. The payload is currently foreseen to be distributed between a rover and a stationary, long-living Geophysics Environmental Package (GEP).

The GEP is planned with a core payload consisting of a seismometer, a heat flow and physical properties package, a meteorological package, an atmospheric probe, a radio instrument and a magnetometer. The payload selection will be performed in the frame of ESA's "Payload Confirmation Review".

The proposed system design is based on a solar generator and radiothermal heaters to allow long term ($>$2 years) operations on the surface of Mars. The accommodation of the GEP on the Exomars Lander will be discussed.