

The EnMAP Mission

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THEME: Airborne and innovative remote sensing platforms and techniques. Special session: “The EnMAP Imaging Spectroscopy Mission and its science perspectives”

KEY WORDS: EnMAP, hyperspectral, imaging spectroscopy, future missions

ABSTRACT:

The Environmental Mapping and Analysis Program (EnMAP) is a German space based hyperspectral mission which will determine high quality hyperspectral image data on a timely and frequent basis to the global user community. The data provided will enable research in various application fields such as agriculture, forestry, urban, inland waters and coastal zones and geology.

The payload consists of an instrument which uses a dual pushbroom configuration with a ground sampling distance of 30 m and a swath width of 30 km. Two spectrometers in the VNIR and SWIR provide more than 200 continuous spectral bands covering a wavelength range between 430 and 2450 nm.

The EnMAP project is presently in Phase D for the space segment as well as for the ground segment. The planned launch date of the satellite is in 2018.

The presentation will give an overview of the actual status of the mission and the sensor performance.