



Nanosatellites : A paradigm change for space weather studies.

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Nanosatellites are changing the paradigm of space exploration and engineering. The past 15 years have seen a growing activity in this field, with a marked acceleration in the last 3 years. Whereas the educational value of nanosatellites is well recognized, their scientific and technological use is potentially extremely rich but not fully explored. Conventional attitudes towards space engineering need to be reviewed in light of the capabilities and characteristics of these miniature devices that enable approaches and applications not possible with traditional satellite platforms.

After an evaluation of the past and near future nanosatellites missions in the domain of space weather and from the example of the Zegrensat/ATISE mission, we will give some perspectives on the possibilities opened by these small satellites.