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Small Unmanned Aerial Systems Comparative Analysis for the Application to Coastal Erosion Monitoring

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**Highlights**

- Comparative analysis of two UAV platforms (fixed wing, multirotor).
- Ground control points are necessary for sufficiently accurate orthomosaics in order to detect cliff top erosion.
- Multirotor provides a more reliable and user friendly platform for small scale monitoring.
- Digital surface models (DSM) resulting from multirotor represent elevations more accurately when compared to ground control.
- UAV provide a low cost alternative to coastal change monitoring.

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