MINING WASTE DISTRIBUTION IN TORRENTIAL WADIS: ANALYSIS WITH SENTINEL-2 OF CARTAGENA MINING DISTRICT

Young Soil Researchers Forum



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2 Objectives

3 Material and Methods

4 Results and Discussion

5 Conclusions









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The main objective is the characterization of those mining materials from the source areas that eroded and sedimented in the basin of Beal wadi during the DANA of September 2019.

Establishing an analysis method using Remote Sensing techniques for the study problem











Minerals with hydroxyl group

2 Objectives

5 Conclusions



PRE-DANA

SAM CLASSIFICATION

POST-DANA



5 Conclusions

Metals and large amounts of sediments are being mobilized to the Mar Menor

Some authors estimate up to 67700 ppm of bioavailable iron in agricultural areas

Acid Mining Drainage





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1 The three information endmembre signature	e selected analys on about the qu pers for the SAM o s.	sis methods provide con antity of the mineral, c classification, which enabl	nplementary information: b colour compositions allows les differentiating minerals v	and ratios provide s the selection of with similar spectral
2 The goeth	iron oxides and I hite and jarosite.	nydroxides found after to	orrential rains events corre	spond to hematite,
3 Iron o	oxides mainly sedi	ment in agriculture lands.		
4 Minerals	with the hydroxyl g	proup are found in areas w	vith natural vegetation and th	ne wadi's bed.

THANK YOU!!