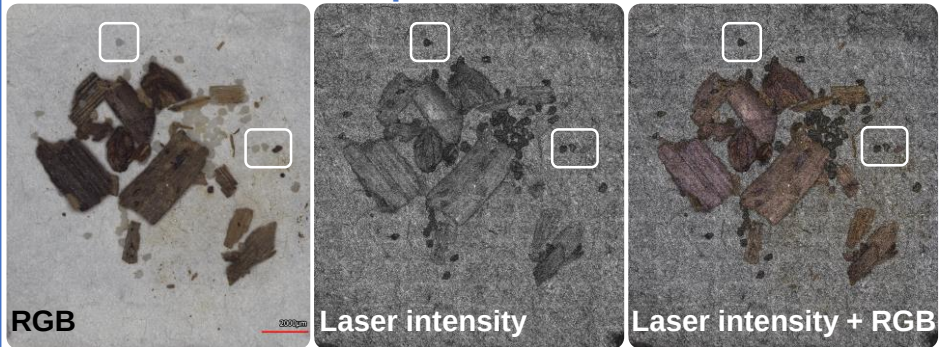


Microplastic detection in terrestrial systems using a classification on optical values and surface characteristics

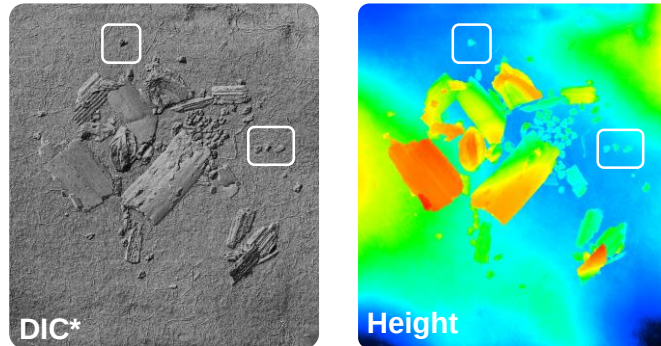
Tabea Zeyer and Peter Fiener, University of Augsburg

Data after density separation:

- Optical values -



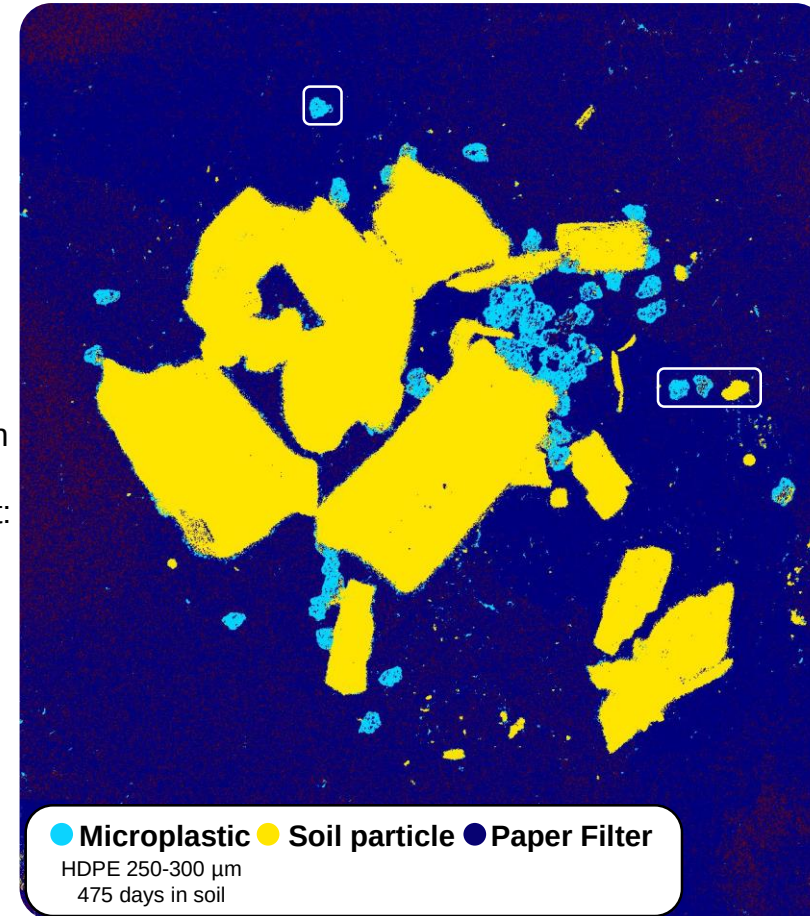
- Surface characteristics -



*Differential Interference Contrast


Random Forest:

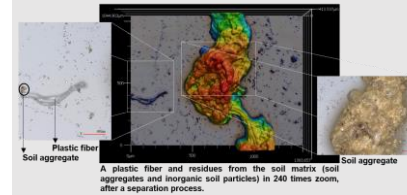
- Automatic detection
- Most important input: Height
- Accuracy: 0.69



Tool: 3D Laser Scanning Confocal Microscope
(Keyence VK-X1000, Japan)

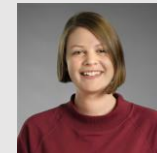
Tool: Supervised Machine Learning Algorithm
Random Forest (Python, scikit - learn)

-Project: DeMipSo3D-



[Link](#)

-Contact-



[Link](#)

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-Partners-

